



Rapise® Object Reference

Version 1.8

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Global object. Use it to perform actions not related to a particular object. You do not need to record or learn this object, it is always automatically available in any test.

Property Summary

Property	Description
lastPid	PID of last process executed using call to a DoLaunch.

Action Summary

Action	Description
DoAnalogPlay	Performs Analog Playback of events recorded in a file.
DoAppActivate	Activates window with the specified title.
DoClick	Performs mouse click at the current position.
DoInvokeTest	Invokes another test script (as sub-test).
DoKillByName	Terminates a given process.
DoKillByPid	Terminates a given process.
DoLaunch	Executes a command specified in cmdLine.
DoMessageBox	Shows message box (popup message) to a user.
DoMouseMove	Moves mouse to the specified position.
DoSendKeys	Sends series of keystrokes to a currently focused application.
DoSleep	Pauses execution for given number of milliseconds (1000 = 1 second).
DoTrim	Trims given string (removes left and right whitespaces).
DoWaitFor	Waits for object specified by id to be available.
GetCurrentDir	Gets current directory path.
GetFullPath	Constructs an absolute file name using current directory of the test.
GetOsOwner	Reads OS registered owner from the registry.
GetOsPath	Reads OS root path from the registry.
GetOsType	Reads OS type from the registry.
GetOsVersion	Reads OS service pack version from the registry.
GetSpecialFolderPath	Retrieves the system special folder path.

Property Detail

lastPid

PID of last process executed using call to a DoLaunch.

Action Detail

DoAnalogPlay(path, left, top)

Performs Analog Playback of events recorded in a file.

Parameters:

Name	Type	Description
path	String	This is a path to a file with recorded analog events.
left	Number	X-coordinate of top-left corner of the analog area.
top	Number	Y-coordinate of the top-left corner of the analog area.

DoAppActivate(title)

Activates window with the specified title. I.e. Global.DoAppActivate("Calculator") will bring running instance (if any) of Windows Calculator to the foreground.

Parameters:

Name	Type	Description
title		

See:

[MSDN Article for AppActivate](#)

DoClick(clickType)

Performs mouse click at the current position.

Parameters:

Name	Type	Description
clickType	String	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click. Optional, Default: "L".

DoInvokeTest(pathToTest, optionalParams)

Invokes another test script (as sub-test). The subtest should have the set of libraries as calling test. Otherwise it may lead to a conflict.

Parameters:

Name	Type	Description
pathToTest	String	absolute or relative path to a subtest
optionalParams	Object	

Returns:

'true' if test passed.

DoKillByName(processName)

Terminates a given process.

Parameters:

Name	Type	Description
processName	String	Name of the process.

Returns:

'true' if the process was terminated, 'false' otherwise.

DoKillByPid(pid)

Terminates a given process.

Parameters:

Name	Type	Description
pid	Number	ID of the process.

Returns:

'true' if the process was terminated, 'false' otherwise.

DoLaunch(cmdLine, wrkDir, attachIfExists)

Executes a command specified in cmdLine.

Parameters:

Name	Type	Description
cmdLine	String	Command line to execute.
wrkDir	String	Working directory for the new process. Optional.
attachIfExists	Boolean	Try to find existing process before starting new one. If no process found then new one is created. Optional.

Returns:

ID of the new process.

DoMessageBox(prompt, buttons)

Shows message box (popup message) to a user.

Parameters:

Name	Type	Description
prompt	String	Message to display
buttons	Number	A value or a sum of values that specifies the number and type of buttons to display, the icon style to use, the identity of the default button, and the modality of the message box. Default value is 0 0 = vbOKOnly - OK button only 1 = vbOKCancel - OK and Cancel buttons 2 = vbAbortRetryIgnore - Abort, Retry, and Ignore buttons 3 = vbYesNoCancel - Yes, No, and Cancel buttons 4 = vbYesNo - Yes and No buttons 5 = vbRetryCancel - Retry and Cancel buttons 16 = vbCritical - Critical Message icon 32 = vbQuestion - Warning Query icon 48 = vbExclamation - Warning Message icon 64 = vbInformation - Information Message icon 0 = vbDefaultButton1 - First button is default 256 = vbDefaultButton2 - Second button is default 512 = vbDefaultButton3 - Third button is default 768 = vbDefaultButton4 - Fourth button is default 0 = vbApplicationModal - Application modal (the current application will not work until the user responds to the message box) 4096 = vbSystemModal - System modal (all applications wont work until the user responds to the message box) We can divide the buttons values into four groups: The first group (0–5) describes the buttons to be displayed in the message box, the second group (16, 32, 48, 64) describes the icon style, the third group (0, 256, 512, 768) indicates which button is the default; and the fourth group (0, 4096) determines the modality of the message box. When adding numbers to create a final value for the buttons parameter, use only one number from each group Optional, Default: 0.

Returns:

A number representation of a button pressed by user:

vbOK	1	OK button was clicked.
vbCancel	2	Cancel button was clicked.
vbAbort	3	Abort button was clicked.
vbRetry	4	Retry button was clicked.
vbIgnore	5	Ignore button was clicked.
vbYes	6	Yes button was clicked.
vbNo	7	No button was clicked.

DoMouseMove(x, y)

Moves mouse to the specified position.

Parameters:

Name	Type	Description
x	Number	Absolute X-coordinate of the target mouse position.
y	Number	Absolute Y-coordinate of the target mouse position.

DoSendKeys(keys)

Sends series of keystrokes to a currently focused application.

Parameters:

Name	Type	Description
keys	String	A sequence of keystrokes.

See:

[MSDN Article for SendKeys](#)

DoSleep(millis)

Pauses execution for given number of milliseconds (1000 = 1 second).

Parameters:

Name	Type	Description
millis	Number	Number of milliseconds to sleep.

DoTrim(str)

Trims given string (removes left and right whitespaces).

Parameters:

Name	Type	Description
str	String	String to trim.

Returns:

Trimmed string.

DoWaitFor(objectId, timeout)

Waits for object specified by id to be available. Function returns if object was found or timeout.

Parameters:

Name	Type	Description
objectId	String	ID of object to wait for.
timeout	Number	Maximum time to wait.

Returns:

Found object or 'false'.

GetCurrentDir()

Gets current directory path.

Returns:

Path of the current directory.

GetFullPath(fileName)

Constructs an absolute file name using current directory of the test.

Parameters:

Name	Type	Description
fileName	String	Name of a file.

Returns:

Absolute file name.

GetOsOwner()

Reads OS registered owner from the registry.

Returns:

OS registered owner.

GetOsPath()

Reads OS root path from the registry.

Returns:

OS root path without the trailing backslash, e.g. "C:\Windows".

GetOsType()

Reads OS type from the registry.

Returns:

OS type.

GetOsVersion()

Reads OS service pack version from the registry.

Returns:

Service pack version.

GetSpecialFolderPath(folder)

Retrieves the system special folder path.

Parameters:

Name	Type	Description
folder	String	The system special folder name as defined in .NET Environment.SpecialFolder enum, e.g. "ProgramFiles". Possible values: ApplicationData The directory that serves as a common repository for application-specific data for the current roaming user. CommonApplicationData The directory that serves as a common repository for application-specific data that is used by all users. CommonProgramFiles The directory for components that are shared across applications. Cookies The directory that serves as a common repository for Internet cookies. Desktop The logical Desktop rather than the physical file system location. DesktopDirectory The directory used to physically store file objects on the desktop. Favorites The directory that serves as a common repository for the user's favorite items. History The directory that serves as a common repository for Internet history items. InternetCache The directory that serves as a common repository for temporary Internet files. LocalApplicationData The directory that serves as a common repository for application-specific data that is used by the current, non-roaming user. MyComputer The "My Computer" folder. MyDocuments The "My Documents" folder. MyMusic The "My Music" folder. MyPictures The "My Pictures" folder. Personal The directory that serves as a common repository for documents. ProgramFiles The program files directory. Programs The directory that contains the user's program groups. Recent The directory that contains the user's most recently used documents. SendTo The directory that contains the Send To menu items. StartMenu The directory that contains the Start menu items. Startup The directory that corresponds to the user's Startup program group. System The System directory.

		Templates	The directory that serves as a common repository for document templates.
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Returns:

System specified folder path without the trailing backslash, e.g. "C:\Program Files".

Navigator

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Navigator object. This is used to provide functions for manipulating the web browser when using the HTML libraries

Action Summary

Action	Description
Find	Returns the HTMLObject wrapping a DOM element for a given 'xpath'.
ExecJS	Executes given JavaScript statement in a browser and returns results.
Open	Opens a browser. If URL is specified, goes to URL.
Close	Closes browser. Finishes session.
Navigate	Redirects browser to a specified URL.
DoCheckAlert	Waits until browser alert with a given text. Wait timeout is 10 seconds.
DoCheckConfirmation	Waits until browser confirmation with a given text. Wait timeout is 10 seconds.
DoSetExpectedPromptResult	Set text to return as a result of next browser 'prompt' request
DoSetExpectedConfirmResult	Set boolean value to return as a result of next browser 'confirm' request
DoCheckPrompt	Waits until browser prompt with a given text. Wait timeout is 10 seconds.

Action Detail

Find (xpath, url, title, objInfo)

Returns the HTMLObject wrapping a DOM element for a given 'xpath'

Parameters:

Name	Type	Description
xpath	String	The xpath selector for the object
url	String	If a new navigator is launched, this URL is used
title	String	The title of the HTML document that is being searched
objInfo	SeSObjectInfo	A populated SeSObjectInfo object

Returns:

The HTMLObject of the elements that matches the XPath selector

ExecJS(scriptText)

Executes the given JavaScript statement in a browser and returns results.

Parameters:

Name	Type	Description
scriptText	String	JavaScript code.

Returns:

The results from executing the Javascript code

Open(url)

Opens a browser. If URL is specified, goes to URL.

Parameters:

Name	Type	Description
url	String	start URL for opening browser. Can be 'null'.

Returns:

Nothing

Close()

Closes browser. Finishes session.

Parameters:

None

Returns:

Nothing

Navigate(url)

Redirects browser to a specified URL.

Parameters:

Name	Type	Description
url	String	The URL to navigate to.

Returns:

Nothing

DoCheckAlert(msg)

Waits until browser alert with a given text. Wait timeout is 10 seconds.

Parameters:

Name	Type	Description
msg	String	alert text. Can be exact text or regular expression

Returns:

'true' if browser alert had occurred, 'false' otherwise.

DoCheckConfirmation(msg, result)

Waits until browser confirmation with a given text. Wait timeout is 10 seconds.

Parameters:

Name	Type	Description
msg	String	confirmation text. Can be exact text or regular expression
result	String	Not used - can leave empty

Returns:

'true' if browser confirmation popup is shown, 'false' otherwise.

DoSetExpectedPromptResult(expectedRes)

Set text to return as a result of next browser 'prompt' request

Parameters:

Name	Type	Description
expectedRes	String	The text to be returned in the next request

Returns:

Nothing

DoSetExpectedConfirmResult(expectedRes)

Set boolean value to return as a result of next browser 'confirm' request

Parameters:

Name	Type	Description
expectedRes	String	The text to be returned in the next request

Returns:

'true' if browser confirmation popup is shown, 'false' otherwise.

DoCheckPrompt(msg, result)

Waits until browser prompt with a given text. Wait timeout is 10 seconds.

Parameters:

Name	Type	Description
msg	String	confirmation text. Can be exact text or regular expression
result	String	Not used - can leave empty

Returns:

'true' if browser confirmation popup is shown, 'false' otherwise.

Ocr

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Optical Character Resolution (OCR) object. Use it to recognize text on the screen.

Action Summary

Action	Description
DoClickTextInObject	Does OCR for a given object, finds a given string and clicks on it.
DoClickTextInWindow	Does OCR for a window that contains a given object, finds a given string and clicks on it.
DoExtractFromImage	Does OCR for 'img'.
DoExtractFromObject	Does OCR for a given object.
DoExtractFromScreen	Does OCR for a given rectangle.
DoExtractFromWindow	Does OCR for a window that contains a given object.
DoSelectOcrEngine	Selects OCR engine by name.

Action Detail

DoClickTextInObject(objId, text, clickType)

Does OCR for a given object, finds a given string and clicks on it.

Parameters:

Name	Type	Description
objId	SeSObject String	ID of an object or SeSObject instance.
text	String	Text to find.
clickType	String	Type of a click to perform. Optional, Default: "L".

Returns:

'true' if the text was found, 'false' otherwise.

DoClickTextInWindow(objId, text, clickType)

Does OCR for a window that contains a given object, finds a given string and clicks on it.

Parameters:

Name	Type	Description
objId	SeSObject String	ID of an object or SeSObject instance.
text	String	Text to find.
clickType	String	Type of a click to perform. Optional, Default: "L".

Returns:

'true' if the text was found, 'false' otherwise.

DoExtractFromImage(img)

Does OCR for 'img'.

Parameters:

Name	Type	Description
img	SeSWrappers.Util.ImageWrapper String	Image (ImageWrapper object or path to a file) to do OCR.

Returns:

Recognized text or empty string in the case of an error.

DoExtractFromObject(objId)

Does OCR for a given object.

Parameters:

Name	Type	Description
objId	SeSObject String	ID of an object or SeSObject instance.

Returns:

Recognized text or empty string in the case of an error.

DoExtractFromScreen(left, top, right, bottom)

Does OCR for a given rectangle.

Parameters:

Name	Type	Description
left	Number	X-coordinate of the top left corner.
top	Number	Y-coordinate of the top left corner.
right	Number	X-coordinate of the bottom right corner.
bottom	Number	Y-coordinate of the bottom right corner.

Returns:

Recognized text or empty string in the case of an error.

DoExtractFromWindow(objId)

Does OCR for a window that contains a given object.

Parameters:

Name	Type	Description
objId	SeSObject String	ID of an object or SeSObject instance.

Returns:

Recognized text or empty string in the case of an error.

DoSelectOcrEngine(ocrName)

Selects OCR engine by name. The name should point to installed OCR engine.

Parameters:

Name	Type	Description
ocrName	String	Name of an OCR engine available to Rapise. For example, 'Textract' or 'Tesseract'.

SeSReportException

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Used to show exception in the report.

Action Summary

Action	Description
SeSReportException	Used to show exception in the report.

Action Detail

SeSReportException(e)

Used to show exception in the report.

Parameters:

Name	Type	Description
e	Error	Error object.

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SeSReportImage

Used to show a bitmap picture in the report.

Action Summary

Action	Description
SeSReportImage	Used to show a bitmap picture in the report.

Action Detail

SeSReportImage(imgWrapper, caption)

Used to show a bitmap picture in the report.

Parameters:

Name	Type	Description
imgWrapper	ImageWrapper	Instance of image wrapper with captured image.
caption	String	Image label. Optional, Default: "Image".

SeSReportLink

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Used to show link (url and text) in the report

Action Summary

Action	Description
SeSReportLink	Used to show link (url and text) in the report

Action Detail

SeSReportLink(url, text)

Used to show link (url and text) in the report

Parameters:

Name	Type	Description
url	String	Actual link.
text	String	Text to show in the report.

SeSReportText

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Used to show long text message in the report.

Action Summary

Action	Description
SeSReportText	Used to show long text message in the report.

Action Detail

SeSReportText(txt, caption)

Used to show long text message in the report.

Parameters:

Name	Type	Description
txt	String	Message text.
caption	String	Message caption. Optional.

Spreadsheet

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Spreadsheet object. Use it to read and write Excel and text spreadsheets.

Action Summary

Action	Description
DoAttach	Attaches to a sheet from a spreadsheet file.
DoMoveToFirstRow	Moves to the first row in the current range.
DoMoveToLastRow	Moves to the last row in the current range.
DoMoveToRow	Moves to a given row.
DoRandom	Selects random row and column in the range.
DoSequential	Advances to the next row in the range.
GetCell	Gets cell value by its coordinates.
GetColumnCount	Gets columns count.
GetColumnName	Gets column name.
GetCurrentRowIndex	Gets the zero-based index of the current row in the spreadsheet.
GetEOF	Is the current position beyond the spreadsheet range.
GetRowCount	Gets rows count.
SetRange	Sets cell range used in DoSequential and in DoRandom.

Action Detail

DoAttach(fileName, sheet)

Attaches to a sheet from a spreadsheet file.

Parameters:

Name	Type	Description
fileName	String	Excel or text file name.
sheet	String	Sheet name or separator for text file. Optional.

Returns:

true, if successful

DoMoveToRow(rowInd)

Moves to a given row.

Parameters:

Name	Type	Description
rowInd	Number	Row index to set active.

DoMoveToFirstRow()

Moves to the first row in the current range.

DoMoveToLastRow()

Moves to the last row in the current range.

DoRandom()

Selects random row and column in the range. The range is either set by SetRange or it is the default range that includes all rows (except first row which is considered to contain column names) and columns on the sheet.

Returns:

'false' if the the spreadhseet is not attached, 'true' - otherwise.

DoSequential()

Advances to the next row in the range. The range is either set by SetRange or it is the default range that includes all rows on the sheet except first row which is considered to contain column names. When the end of the range is reached DoSequential rewinds back to the first row in the range and returns 'false'.

Returns:

'false' if being called when active row is the last row or the spreadsheet is not attached, 'true' - otherwise.

GetCell(columnId, rowId)

Gets cell value by its coordinates. Returns current cell value after DoSequential or DoRandom if params not set.

Parameters:

Name	Type	Description
columnId	Number String	Column index or name. If not set ActiveColumn is used. Optional.
rowId	Number	Row index. If not set ActiveRow is used. Optional.

GetColumnCount()

Gets columns count.

Returns:

Number of columns in the spreadsheet.

GetColumnName(ind)

Gets column name.

Parameters:

Name	Type	Description
ind	Number	Column index.

Returns:

Name of column in the spreadsheet.

GetCurrentRowIndex()

Gets the zero-based current row index.

GetEOF()

Is the current position beyond the spreadsheet range.

GetRowCount()

Gets rows count.

Returns:

Number of rows in the spreadsheet.

SetRange(startRow, endRow, startCol, endCol)

Sets cell range used in DoSequential and in DoRandom.

Parameters:

Name	Type	Description
startRow	Number	Start row index.
endRow	Number	End row index.
startCol	Number	Start column index. Optional.
endCol	Number	End column index. Optional.

Tester

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Tester object. Use it to perform assertions during test playback and output relevant information to the report. You do not need to record or learn this object, it is always automatically available in any test.

Property Summary

Property	Description
Fail	Test status, test failed.
Info	Test status, test is neither passed nor failed.
Pass	Test status, test passed.
Unresolved	Test status, test status is unresolved, test terminated unexpectedly.

Action Summary

Action	Description
Assert	Checks if condition is 'true' and saves corresponding Report entry.
AssertEqual	Checks if obj1 equals to obj2 and saves corresponding Report entry.
AssertImage	Checks if 'img1' equals to image stored at 'path' and saves corresponding Report entry.
BeginTest	Marks beginning of a test with a given name.
EndTest	Marks end of a currently executed test.
GetReportAttribute	Gets report attribute previously set by PushReportAttribute or SetReportAttribute.
GetTestStatus	Gets status of currently executed test.
IgnoreStatus	In IgnoreStatus mode the assertion status is always treated as "Info".
Message	Saves corresponding Report message.
MessageBox	Shows message box to user.
MessageBoxPrompt	Shows message box with question to the user and checks if user presses "Yes" or "No" "Yes" => "Pass" goes to the report with this message.
PopReportAttribute	Resets an attribute to its previous value.
PushReportAttribute	Maintains "stacked" attributes.
ResetReportAttribute	Removes report attribute previously set by SetReportAttribute.
SetReportAttribute	Set persistent attribute.

Property Detail

Fail

Test status, test failed. Constant, equal to 0.

Info

Test status, test is neither passed nor failed. Constant, equal to -2.

Pass

Test status, test passed. Constant, equal to 1.

Unresolved

Test status, test status is unresolved, test terminated unexpectedly. Constant, equal to -1.

Action Detail

Assert(message, condition, data, tags)

Checks if condition is 'true' and saves corresponding Report entry. Assertion is an atomic piece of verification. Assertion may contain some additional data (links, images, comments) set via 'data' parameter

Parameters:

Name	Type	Description
message	String	Assertion text.
condition	Boolean	If 'true' - assertion is considered Passed.
data	SeSReportLink SeSReportText SeSReportImage Object[] String	If "string" is passed, then data is considered as additional comment attribute. Or "array" may be passed. Each entry in the array should be one of: SeSReportLink, SeSReportImage, SeSReportText. Optional.
tags	Object	Hash of attributes to set for this particular log entry. Optional.

AssertEqual(message, obj1, obj2, data, tags)

Checks if obj1 equals to obj2 and saves corresponding Report entry. Assertion is an atomic piece of verification. Assertion may contain some additional data (links, images, comments) set via 'data' parameter

Parameters:

Name	Type	Description
message	String	Assertion text.
obj1	Object	First object to compare.
obj2	Object	Second object to compare.
data	SeSReportLink SeSReportText SeSReportImage Object[]	If "string" is passed, then data is considered as additional comment attribute. Or "array" may be passed. Each entry in the array should be one of: SeSReportLink, SeSReportImage, SeSReportText. Optional.
tags	Object	Hash of attributes to set for this particular log entry. Optional.

AssertImage(message, img1, path, data, tags)

Checks if 'img1' equals to image stored at 'path' and saves corresponding Report entry. Assertion is an atomic piece of verification. Assertion may contain some additional data (links, images, comments) set via 'data' parameter

Parameters:

Name	Type	Description
message	String	Assertion text.

img1	Object	ImageWrapper object (1st image to compare).
path	ImageWrapper	Path to the second image to compare.
data	SeSReportLink SeSReportText SeSReportImage Object[]	If "string" is passed, then data is considered as additional comment attribute. Or "array" may be passed. Each entry in the array should be one of: SeSReportLink, SeSReportImage, SeSReportText. Optional.
tags	Object	Hash of attributes to set for this particular log entry. Optional.

BeginTest(name, path)

Marks beginning of a test with a given name.

Parameters:

Name	Type	Description
name	String	Test name.
path	String	

EndTest()

Marks end of a currently executed test. Calculates test results and performs finalization of test execution.

GetReportAttribute(name)

Gets report attribute previously set by PushReportAttribute or SetReportAttribute.

Parameters:

Name	Type	Description
name	String	Attribute name.

GetTestStatus()

Gets status of currently executed test.

Returns:

One of:

- Tester.Info test is neither passed nor failed
- Tester.Pass test passed
- Tester.Fail test failed
- Tester.Unresolved test status is unresolved, test terminated unexpectedly

IgnoreStatus(ignore)

In IgnoreStatus mode the assertion status is always treated as "Info". Real status is written to "realStatus" attribute in this case and used just for information purposes (i.e. it does not affect final test status).

This function is used when the test case needs to set test status manually.

```
Tester.IgnoreStatus(true);
Tester.Assert("Ignored Assertion", false); // This assertion is failed. But its status is ignored.
Tester.IgnoreStatus(false);
Tester.Assert("Test passed", true);
// The overall test is passed because failed assertion is ignored.
```

Parameters:

Name	Type	Description
ignore	Boolean	'true' to ignore status of all report items.

Message(message, data, tags)

Saves corresponding Report message. Message may contain some additional data (links, images, comments) set via 'data' parameter.

Parameters:

Name	Type	Description
message	String	Message text.
data	SeSReportLink SeSReportText SeSReportImage Object[]	If "string" is passed, then data is considered as additional comment attribute Or "array" may be passed. Each entry in the array should be one of: SeSReportLink, SeSReportImage, SeSReportText. Optional.
tags	Object	Hash of attributes to set for this particular log entry. Optional.

MessageBox(message)

Shows message box to user. Use it for verbose and manual testing.

Parameters:

Name	Type	Description
message	String	Message text.

MessageBoxPrompt(question)

Shows message box with question to the user and checks if user presses "Yes" or "No" "Yes" => "Pass" goes to the report with this message. "No" => "Fail" is reported.

Parameters:

Name	Type	Description
question	String	Question text.

PopReportAttribute(name)

Resets an attribute to its previous value. See PushReportAttribute for more information.

Parameters:

Name	Type	Description
name	String	Attribute name.

Returns:

Previous value. Null if no such stacked attribute found.

PushReportAttribute(name, value)

Maintains "stacked" attributes. Useful for nesting.

Example:

Main test sets atscenario=Main. Then it calls another scenario (scenario Login) and then continues its own test actions.

We want all assertions to be attributed with current scenario name.

```
function Main()
{
    Tester.PushReportAttribute("scenario", "Main");
    Login();
    ...
    Tester.Assert("Main test passed", mainStatus); // Saved with scenario=Main
}

function Login()
{
    Tester.PushReportAttribute("scenario", "Login");
    ... // Do login logic
    Tester.Assert("Login Result", loginStatus);
    Tester.PopReportAttribute("scenario"); // Set scenario value back to caller
}
```

Parameters:

Name	Type	Description
name	String	Attribute name.
value	String	Attribute value.

ResetReportAttribute(name)

Removes report attribute previously set by SetReportAttribute.

Parameters:

Name	Type	Description
name	String	Attribute name.

SetReportAttribute(name, value)

Set persistent attribute. It will be set for all subsequent report items (assertions, tests, requirements, and so on). It may be changed by calling the ResetReportAttribute function.

Parameters:

Name	Type	Description
name	String	Attribute name.
value	String	Attribute value.

SuppressReport(suppress)

In SuppressReport mode all assertions are ignored. That means no lines are added to report and all statuses are treated as "Info". This mode is like IgnoreStatus mode but no status messages are added to report.

```
Tester.SuppressReport(true);
Tester.Assert("No assertion", false); // Status of this assertion will be ignored and no record will be added to report
SeS('Obj1').DoClick(); // No line will be added to report and operation status will be ignored
Tester.SuppressReport(false);
```

Parameters:

Name	Type	Description
suppress	Boolean	'true' to suppress report of all report items.

MSComCtlSlider20

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Extends [SeSSimulatedObject](#).

Behavior Pattern: MSComCtlSlider20Behavior

Property Summary

Property	Description	Getter	Setter
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue
Value	Value of the object.	GetValue	SetValue

Property Detail

MaxValue

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

Value

Value of the object.

Accessors: GetValue, SetValue

MComCtlToolBar

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Extends [SeSSimulatedObject](#).

Behavior Pattern: MComCtlToolBarBehavior

Property Summary

Property	Description	Getter	Setter
ItemCaption	The caption of the button on the toolbar	GetItemCaption	
ItemCount	The number of the items in the toolbar	GetItemCount	
ItemStyle	The style of the button on the toolbar	GetItemStyle	
ItemValue	Returns 'true' if element with nameCaptionIndex has value	GetItemValue	

Action Summary

Action	Description
DoClickItem	ClickItem
DoSetCheck	SetCheck

Property Detail

ItemCaption

The caption of the button on the toolbar

Accessors: GetItemCaption

ItemCount

The number of the items in the toolbar

Accessors: GetItemCount

ItemStyle

The style of the button on the toolbar

Accessors: GetItemStyle

ItemValue

Returns 'true' if element with nameCaptionIndex has value

Accessors: GetItemValue

Action Detail

DoClickItem(nameCaptionIndex, clickType, xOffset, yOffset)

ClickItem

Parameters:

Name	Type	Description
nameCaptionIndex	string number	index, name or caption of the item to be selected.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center.

		Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSetCheck(bcheck, nameCaptionIndex)

SetCheck

Parameters:

Name	Type	Description
bcheck	boolean	Check state to set
nameCaptionIndex	string number	index, name or caption of the item to be selected.

Returns:

'true' if success, 'false' otherwise.

MSComCtlTreeView20

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Extends [SeSSimulatedObject](#).

Behavior Pattern: MSComCtlTreeView20Behavior

Property Summary

Property	Description	Getter	Setter
Checked	Checked state of the selected node or a node specified by the input parameters.	GetChecked	
ChildrenCount	Number of children of the selected node or a node specified by the input parameters.	GetChildrenCount	
Expanded	Expanded state of the selected node or a node specified by the input parameters.	GetExpanded	
IndexPath	Index path of the specified or selected tree node i.e.	GetIndexPath	
NodeText	Text of the selected node or a node specified by the input parameters.	GetNodeText	
Selected	Selected state of the selected node or a node specified by the input parameters	GetSelected	
Text	;-combined text of all selected nodes.	GetText	

Action Summary

Action	Description
DoClickNode	Clicks specific node in the tree.
DoCollapse	Collapses specific node in the tree.
DoExpand	Expands specific node in the tree.
DoSetCheck	Set 'checked' state of the specified node

Property Detail

Checked

Checked state of the selected node or a node specified by the input parameters.

Accessors: GetChecked

ChildrenCount

Number of children of the selected node or a node specified by the input parameters.

Accessors: GetChildrenCount

Expanded

Expanded state of the selected node or a node specified by the input parameters.

Accessors: GetExpanded

IndexPath

Index path of the specified or selected tree node i.e. string in form '0;5;2;1;6', 'false' if fails

Accessors: GetIndexPath

NodeText

Text of the selected node or a node specified by the input parameters.

Accessors: GetNodeText

Selected

Selected state of the selected node or a node specified by the input parameters

Accessors: GetSelected

Text

;-combined text of all selected nodes.

Accessors: GetText

Action Detail

DoClickNode(path, separator, pathType)

Clicks specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoCollapse(path, separator, pathType)

Collapses specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoExpand(path, separator, pathType)

Expands specific node in the tree.

Parameters:



Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoSetCheck(bcheck, path, separator, pathType)

Set 'checked' state of the specified node

Parameters:

Name	Type	Description
bcheck	boolean	Check state to set
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

MSComList

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Extends [SeSSimulatedObject](#).

Behavior Pattern: MSComCtlListView20Behavior

Property Summary

Property	Description	Getter	Setter
CheckBoxes	Returns true if items have checkboxes near them.	GetCheckBoxes	
CheckedCount	Returns number of checked items in ListView.	GetCheckedCount	
CheckedIndices	Array of indices of checked elements.	GetCheckedIndices	
ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectionCount	Number of selected items.	GetSelectionCount	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoCheckItem	Checks items of this object.
DoClearSelection	Clears selection.
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.

Property Detail

CheckBoxes

Returns true if items have checkboxes near them.

Accessors: GetCheckBoxes

CheckedCount

Returns number of checked items in ListView.

Accessors: GetCheckedCount

CheckedIndices

Array of indices of checked elements.

Accessors: GetCheckedIndices

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoCheckItem(items, separator, itemsType)

Checks items of this object.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()

Clears selection.

Returns:

'true' if success, 'false' otherwise.

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.

itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.
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Returns:

'true' if success, 'false' otherwise.

DoSetCheck(bcheck, items, separator, itemsType)

Sets 'checked' state of the specified node.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

MSFlexGrid

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Extends [SeSSimulatedObject](#).

Behavior Pattern: MSFlexGridBehavior

Property Summary

Property	Description	Getter	Setter
Cell	Text of the specified cell.	GetCell	
ColumnCount	Number of columns in the table.	GetColumnCount	
ColumnName	Caption of a column.	GetColumnName	
RowCount	Number of rows in the table.	GetRowCount	
SelectedColumn	Index of the selected column.	GetSelectedColumn	
SelectedRow	Index of the selected row.	GetSelectedRow	
Text	Text of the currently focused cell.	GetText	

Action Summary

Action	Description
DoClickCell	Clicks the specified cell
DoFullText	Full text of the table (may be very long!).

Property Detail

Cell

Text of the specified cell.

Accessors: GetCell

ColumnCount

Number of columns in the table.

Accessors: GetColumnCount

ColumnName

Caption of a column.

Accessors: GetColumnName

RowCount

Number of rows in the table.

Accessors: GetRowCount

SelectedColumn

Index of the selected column.

Accessors: GetSelectedColumn

SelectedRow

Index of the selected row.

Accessors: GetSelectedRow

Text

Text of the currently focused cell.

Accessors: GetText

Action Detail

DoClickCell(row, col, clickType, xOffset, yOffset)

Clicks the specified cell

Parameters:

Name	Type	Description
row	number	Zero-based index if the row.
col	number	Zero-based index of the column.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center. Optional.

Returns:

'true' if successful, 'false' otherwise

DoFullText()

Full text of the table (may be very long!).

Returns:

Table's full text

SSTab

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Extends [SeSSimulatedObject](#).

Behavior Pattern: SSTabBehavior

Property Summary

Property	Description	Getter	Setter
SelectedTab	Text of the selected tab	GetSelectedTab	

Action Summary

Action	Description
DoSelectTab	Selects the tab by name.

Property Detail

SelectedTab

Text of the selected tab

Accessors: GetSelectedTab

Action Detail

DoSelectTab(tabName)

Selects the tab by name.

Parameters:

Name	Type	Description
tabName	string	Tab name to select

Returns:

'true' if success, 'false' otherwise.

TabStrip20

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Extends [SeSSimulatedObject](#).

Behavior Pattern: TabStrip20Behavior

Property Summary

Property	Description	Getter	Setter
SelectedTab	Text of the selected tab	GetSelectedTab	

Action Summary

Action	Description
DoSelectTab	Selects the tab by name.

Property Detail

SelectedTab

Text of the selected tab

Accessors: GetSelectedTab

Action Detail

DoSelectTab(nameCaptionIndex, clickType, xOffset, yOffset)

Selects the tab by name.

Parameters:

Name	Type	Description
nameCaptionIndex	string number	index, name or caption of the item to be selected.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center. Optional.

Returns:

'true' if success, 'false' otherwise.

AnimationControl

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Infragistics AnimationControl. Extends [ManagedObject](#).

Behavior Pattern: UltraAnimationControlBehavior

Property Summary

Property	Description	Getter	Setter
IsPlaying	true if animation is playing, 'false' otherwise	GetIsPlaying	

Action Summary

Action	Description
DoPlay	Plays the animation of this object.
DoStop	Stops the animation of this object.

Property Detail

IsPlaying

true if animation is playing, 'false' otherwise

Accessors: GetIsPlaying

Action Detail

DoPlay()

Plays the animation of this object.

Returns:

'true' if success, 'false' otherwise.

DoStop()

Stops the animation of this object.

Returns:

'true' if success, 'false' otherwise.

UltraAppMenu

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UltraAppMenu Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectGenericBehavior

Property Summary

Property	Description	Getter	Setter
ControlType	Type of the object.	GetControlType	
Height	Height of the object.	GetHeight	
Width	Width of the object.	GetWidth	
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoDumpWidget	Dumps Spy data for the object.
DoGetWidgetProperty	Returns the value of a property with a given name.

Property Detail

ControlType

Type of the object.

Accessors: GetControlType

Height

Height of the object.

Accessors: GetHeight

Width

Width of the object.

Accessors: GetWidth

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoDumpWidget(dumpProperties, maxDepth, trimValue, indent, filePath, append, ignoreProps)

Dumps Spy data for the object.

Parameters:

Name	Type	Description
dumpProperties	boolean	If 'true' then includes properties to the result. Optional, Default: false.
maxDepth	number	Determines max recursion depth. If '0' then dumps current object only, if '1' - dumps direct children as well, etc. If '-1' then dumps the whole subtree of objects. Optional, Default: 0.
trimValue	number	Determines maximum length of a property value. Excess characters are truncated. Optional, Default: 256.
indent	string	Indentation string for child objects and properties. Optional, Default: \.

filePath	string	If 'filePath' is set then outputs result to corresponding file. Optional.
append	boolean	If 'true' then file should be overwritten, if 'false' then data should be appended. Optional, Default: false.
ignoreProps	Array	Contains the names of the properties which must be ignored when writing into a file. Optional, Default: undefined.

Returns:

Object data if 'filePath' is not set, 'true' if file write succeeded, 'false' - otherwise.

DoGetWidgetProperty(name)

Returns the value of a property with a given name. Names of available properties can be seen in Spy.

Parameters:

Name	Type	Description
name	string	Property name.

Returns:

Property value if successful, an empty string if the property can not be found.

UltraButton

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Infragistics UltraButton. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectButtonBehavior

UltraCheckEditor

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Infragistics UltraFormattedTextEditor. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectCheckableBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.
Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

UltraColorPicker

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Infragistics UltraColorPicker Extends [ManagedObject](#).

Behavior Pattern: DXColorEditBehavior

Property Summary

Property	Description	Getter	Setter
SelectedColor	Selected color of the object	GetSelectedColor	SetSelectedColor
SelectedText	Text of the selected item in a single string.	GetSelectedText	SetSelectedText
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSelectColor	Selects a color.
DoSetText	Sets text value of this object.

Property Detail

SelectedColor

Selected color of the object

Accessors: GetSelectedColor, SetSelectedColor

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText, SetSelectedText

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSelectColor(val)

Selects a color.

Parameters:

Name	Type	Description
val	struct	structure with three fields '{R, G, B}'.

Returns:

'true' if successfule, 'false' otherwise

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UltraComboEditor

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Infragistics UltraComboEditor. Extends [ManagedObject](#).

Behavior Pattern: UltraComboBoxBehavior

Property Summary

Property	Description	Getter	Setter
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedItem	Selected item of the object.	GetSelectedItem	SetSelectedItem
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.

Property Detail

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedItem

Selected item of the object.

Accessors: GetSelectedItem, SetSelectedItem

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UltraCurrencyEditor

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Infragistics UltraCurrencyEditor. Extends [ManagedObject](#).

Behavior Pattern: UltraEditBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UltraDropDownButton

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Infragistics UltraDropDownButton. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectButtonBehavior

UltraFontNameEditor

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Infragistics UltraComboEditor. Extends [ManagedObject](#).

Behavior Pattern: UltraComboBoxBehavior

Property Summary

Property	Description	Getter	Setter
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedItem	Selected item of the object.	GetSelectedItem	SetSelectedItem
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.

Property Detail

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedItem

Selected item of the object.

Accessors: GetSelectedItem, SetSelectedItem

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UltraFormattedLinkLabel

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Infragistics UltraTextEditor. Extends [ManagedObject](#).

Behavior Pattern: UltraLinkLabelBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText
Value	Text of the object, 'false' if text can not be read.	GetValue	SetValue

Action Summary

Action	Description
DoSetText	Sets text value of this object.
DoSetValue	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Value

Text of the object, 'false' if text can not be read.

Accessors: GetValue, SetValue

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DoSetValue(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value to set

Returns:

'true' if success, 'false' otherwise.

UltraFormattedTextEditor

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Infragistics UltraFormattedTextEditor. Extends [ManagedObject](#).

Behavior Pattern: UltraFormattedTextEditorBehavior

Property Summary

Property	Description	Getter	Setter

Text	Text of the object, 'false' if text can not be read.	GetText	SetText
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Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: [GetText](#), [SetText](#)

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UltraGrid

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Infragistics UltraGrid. Extends [ManagedObject](#).

Behavior Pattern: UltraGridBehavior

Property Summary

Property	Description	Getter	Setter
Cell	Text of the specified cell.	GetCell	
ColumnCount	Number of columns in the table.	GetColumnCount	
ColumnName	Caption of a column.	GetColumnName	
RowCount	Number of rows in the table.	GetRowCount	
Text	Text of the currently focused cell.	GetText	

Action Summary

Action	Description
DoClickCell	Clicks the specified cell

Property Detail

Cell

Text of the specified cell.

Accessors: [GetCell](#)

ColumnCount

Number of columns in the table.

Accessors: GetColumnCount

ColumnName

Caption of a column.

Accessors: GetColumnName

RowCount

Number of rows in the table.

Accessors: GetRowCount

Text

Text of the currently focused cell.

Accessors: GetText

Action Detail

DoClickCell(row, col, clickType, xOffset, yOffset)

Clicks the specified cell

Parameters:

Name	Type	Description
row	number	Zero-based index if the row.
col	number	Zero-based index of the column.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center. Optional.

Returns:

'true' if successful, 'false' otherwise

UltraLabel

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Infragistics UltraLabel. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UltraListBar

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Infragistics UltraListBar. Extends [ManagedObject](#).

Behavior Pattern: UltraListBarControlBehavior

Property Summary

Property	Description	Getter	Setter
Item	Caption of the item specified by index	GetItem	
ItemCount	Number of items in this navigation bar.	GetItemCount	

Action Summary

Action	Description
DoClickItem	Performs Click on the navigation item
DoExpandGroup	Expand (or make active) the navigation group

Property Detail

Item

Caption of the item specified by index

Accessors: GetItem

ItemCount

Number of items in this navigation bar. All items may then be accessed by `SeS().GetItem(ind)`

Accessors: GetItemCount

Action Detail

DoClickItem(nameCaptionIndex)

Performs Click on the navigation item

Parameters:

Name	Type	Description
nameCaptionIndex	string number	index, name or caption of the item to be selected.

Returns:

'true' if successful, 'false' otherwise.

DoExpandGroup(nameCaptionIndex)

Expand (or make active) the navigation group

Parameters:

Name	Type	Description
nameCaptionIndex	string number	index, name or caption of the item to be selected.

Returns:

'true' if successful, 'false' otherwise.

UltraListView

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Infragistics UltraListView. Extends [ManagedObject](#).

Behavior Pattern: UltraListViewBehavior

Property Summary

Property	Description	Getter	Setter
ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectionCount	Number of selected items.	GetSelectionCount	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoClearSelection	Clears selection.
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.

Property Detail

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of String type then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()

Clears selection.

Returns:

'true' if success, 'false' otherwise.

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of String type then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

UltraMaskedEdit

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Infragistics UltraMaskedEdit. Extends [ManagedObject](#).

Behavior Pattern: UltraNumericEditBehavior

Property Summary

Property	Description	Getter	Setter
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

MaxValue

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UltraNumericEditor

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Infragistics UltraNumericEditor. Extends [ManagedObject](#).

Behavior Pattern: UltraNumericEditBehavior

Property Summary

Property	Description	Getter	Setter
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

MaxValue

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UltraOptionSet

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Infragistics UltraOptionSet Extends [ManagedObject](#).

Behavior Pattern: UltraOptionSetBehavior

Property Summary

Property	Description	Getter	Setter
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	
SelectedItem	Selected item of the object.	GetSelectedItem	
Text	Text of the selected item in a single string.	GetText	

Action Summary

Action	Description
DoSelectItem	Performs click on the option set item

Property Detail

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex

SelectedItem

Selected item of the object.

Accessors: GetSelectedItem

Text

Text of the selected item in a single string.

Accessors: GetText

Action Detail

DoSelectItem(captionIndex)

Performs click on the option set item

Parameters:

Name	Type	Description
captionIndex	string number	index or caption of the item to be selected.

Returns:

'true' if success, 'false' otherwise.

UltraPopupMenu

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UltraPopupMenu Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectGenericBehavior

Property Summary

Property	Description	Getter	Setter
ControlType	Type of the object.	GetControlType	
Height	Height of the object.	GetHeight	
Width	Width of the object.	GetWidth	
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoDumpWidget	Dumps Spy data for the object.
DoGetWidgetProperty	Returns the value of a property with a given name.

Property Detail

ControlType

Type of the object.

Accessors: GetControlType

Height

Height of the object.

Accessors: GetHeight

Width

Width of the object.

Accessors: GetWidth

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoDumpWidget(dumpProperties, maxDepth, trimValue, indent, filePath, append, ignoreProps)

Dumps Spy data for the object.

Parameters:

Name	Type	Description
dumpProperties	boolean	If 'true' then includes properties to the result. Optional, Default: false.
maxDepth	number	Determines max recursion depth. If '0' then dumps current object only, if '1' - dumps direct children as well, etc. If '-1' then dumps the whole subtree of objects. Optional, Default: 0.
trimValue	number	Determines maximum length of a property value. Excess characters are truncated. Optional, Default: 256.
indent	string	Indentation string for child objects and properties. Optional, Default: \.
filePath	string	If 'filePath' is set then outputs result to corresponding file. Optional.
append	boolean	If 'true' then file should be overwritten, if 'false' then data should be appended. Optional, Default: false.
ignoreProps	Array	Contains the names of the properties which must be ignored when writing into a file.

Optional, Default: undefined.

Returns:

Object data if 'filePath' is not set, 'true' if file write succeeded, 'false' - otherwise.

DoGetWidgetProperty(name)

Returns the value of a property with a given name. Names of available properties can be seen in Spy.

Parameters:

Name	Type	Description
name	string	Property name.

Returns:

Property value if successful, an empty string if the property can not be found.

UltraProgressBar

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Infragistics UltraProgressBar. Extends [ManagedObject](#).

Behavior Pattern: UltraProgressBarBehavior

Property Summary

Property	Description	Getter	Setter
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue
Value	Value of the object.	GetValue	SetValue

Action Summary

Action	Description
DoSetValue	Sets value of this object.

Property Detail

MaxValue

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

Value

Value of the object.

Accessors: GetValue, SetValue

Action Detail

DoSetValue(value)

Sets value of this object.

Parameters:

Name	Type	Description
value	string	Value to set.

Returns:

'true' if successful, 'false' otherwise.

UltraTabControl

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Infragistics UltraTabControl. Extends [ManagedObject](#).

Behavior Pattern: UltraTabControlBehavior

Property Summary

Property	Description	Getter	Setter
SelectedTab	Text of the selected tab	GetSelectedTab	

Action Summary

Action	Description
DoSelectTab	Selects the tab by name.

Property Detail

SelectedTab

Text of the selected tab

Accessors: GetSelectedTab

Action Detail

DoSelectTab(tabName)

Selects the tab by name.

Parameters:

Name	Type	Description
tabName	string	Tab name to select

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: ManagedObjectGenericBehavior

Property Summary

Property	Description	Getter	Setter
ControlType	Type of the object.	GetControlType	
Height	Height of the object.	GetHeight	
Width	Width of the object.	GetWidth	
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoDumpWidget	Dumps Spy data for the object.
DoGetWidgetProperty	Returns the value of a property with a given name.

Property Detail

ControlType

Type of the object.

Accessors: GetControlType

Height

Height of the object.

Accessors: GetHeight

Width

Width of the object.

Accessors: GetWidth

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoDumpWidget(dumpProperties, maxDepth, trimValue, indent, filePath, append, ignoreProps)

Dumps Spy data for the object.

Parameters:

Name	Type	Description
dumpProperties	boolean	If 'true' then includes properties to the result. Optional, Default: false.
maxDepth	number	Determines max recursion depth. If '0' then dumps current object only, if '1' - dumps direct children as well, etc. If '-1' then dumps the whole subtree of objects. Optional, Default: 0.
trimValue	number	Determines maximum length of a property value. Excess characters are truncated. Optional, Default: 256.
indent	string	Indentation string for child objects and properties. Optional, Default: \.
filePath	string	If 'filePath' is set then outputs result to corresponding file. Optional.
append	boolean	If 'true' then file should be overwritten, if 'false' then data should be appended. Optional, Default: false.
ignoreProps	Array	Contains the names of the properties which must be ignored when writing into a file. Optional, Default: undefined.

Returns:

Object data if 'filePath' is not set, 'true' if file write succeeded, 'false' - otherwise.

DoGetWidgetProperty(name)

Returns the value of a property with a given name. Names of available properties can be seen in Spy.

Parameters:

Name	Type	Description
name	string	Property name.

Returns:

Property value if successful, an empty string if the property can not be found.

UltraTextEditor

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Infragistics UltraTextEditor. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UltraTimeZoneEditor

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Infragistics UltraTimeZoneEditor. Extends [ManagedObject](#).

Behavior Pattern: UltraComboBoxBehavior

Property Summary

Property	Description	Getter	Setter
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex

SelectedItem	Selected item of the object.	GetSelectedItem	SetSelectedItem
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSelectedItem	Selects an item of this object.

Property Detail

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedItem

Selected item of the object.

Accessors: GetSelectedItem, SetSelectedItem

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UltraTree

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Infragistics UltraTree. Extends [ManagedObject](#).

Behavior Pattern: UltraTreeBehavior

Property Summary

Property	Description	Getter	Setter
CellText	Cell text for the cell specified by rowPath and col	GetCellText	
Checked	Checked state of the selected node or a node specified by the input parameters.	GetChecked	
ChildrenCount	Number of children of the selected node or a node specified by the input parameters.	GetChildrenCount	
Expanded	Expanded state of the selected node or a node specified by the input parameters.	GetExpanded	
IndexPath	Index path of the specified or selected tree node i.e.	GetIndexPath	
NodeText	Text of the selected node or a node specified by the input parameters.	GetNodeText	
Selected	Selected state of the selected node or a node specified by the input parameters	GetSelected	
Text	;-combined text of all selected nodes.	GetText	

Action Summary

Action	Description
DoClickCell	Click the cell specified by row name or index and column name or index
DoClickNode	Clicks specific node in the tree.
DoCollapse	Collapses specific node in the tree.
DoExpand	Expands specific node in the tree.
DoSetCheck	Set 'checked' state of the specified node

Property Detail

CellText

Cell text for the cell specified by rowPath and col

Accessors: GetCellText

Checked

Checked state of the selected node or a node specified by the input parameters.

Accessors: GetChecked

ChildrenCount

Number of children of the selected node or a node specified by the input parameters.

Accessors: GetChildrenCount

Expanded

Expanded state of the selected node or a node specified by the input parameters.

Accessors: GetExpanded

IndexPath

Index path of the specified or selected tree node i.e. string in form '0;5;2;1;6', 'false' if fails

Accessors: GetIndexPath

NodeText

Text of the selected node or a node specified by the input parameters.

Accessors: GetNodeText

Selected

Selected state of the selected node or a node specified by the input parameters

Accessors: GetSelected

Text

;-combined text of all selected nodes.

Accessors: GetText

Action Detail

DoClickCell(rowPath, col, clickType, xOffset, yOffset)

Click the cell specified by row name or index and column name or index

Parameters:

Name	Type	Description
rowPath	string number	Path of the top level node to select. If integer number is passed then the top level node is searched by index.
col	number string	Column index or column name
clickType		
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClickNode(path, separator, pathType, column, clickType, xOffset, yOffset)

Clicks specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: .:
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.
column	number string	Column index or column name. Default is 0 Optional.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within node. Default is a center. Optional.

yOffset	number	Y offset to click within node. Default is a center. Optional.
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Returns:

'true' if success, 'false' otherwise.

DoCollapse(path, separator, pathType)

Collapses specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoExpand(path, separator, pathType)

Expands specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoSetCheck(bcheck, path, separator, pathType)

Set 'checked' state of the specified node

Parameters:

Name	Type	Description
bcheck	boolean	Check state to set
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

ValueListDropDownUnsafe

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Infragistics ValueListDropDownUnsafe. Extends [ManagedObject](#).

Behavior Pattern: ManagedComboltemBehavior

Behavior Pattern: ManagedObjectGenericBehavior

Property Summary

Property	Description	Getter	Setter
ControlType	Type of the object.	GetControlType	
Height	Height of the object.	GetHeight	
Width	Width of the object.	GetWidth	
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoDumpWidget	Dumps Spy data for the object.
DoGetWidgetProperty	Returns the value of a property with a given name.

Property Detail

ControlType

Type of the object.

Accessors: GetControlType

Height

Height of the object.

Accessors: GetHeight

Width

Width of the object.

Accessors: GetWidth

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoDumpWidget(dumpProperties, maxDepth, trimValue, indent, filePath, append, ignoreProps)

Dumps Spy data for the object.

Parameters:

Name	Type	Description
dumpProperties	boolean	If 'true' then includes properties to the result. Optional, Default: false.
maxDepth	number	Determines max recursion depth. If '0' then dumps current object only, if '1' - dumps direct children as well, etc. If '-1' then dumps the whole subtree of objects. Optional, Default: 0.
trimValue	number	Determines maximum length of a property value. Excess characters are truncated. Optional, Default: 256.
indent	string	Indentation string for child objects and properties.

		Optional, Default: \.
filePath	string	If 'filePath' is set then outputs result to corresponding file. Optional.
append	boolean	If 'true' then file should be overwritten, if 'false' then data should be appended. Optional, Default: false.
ignoreProps	Array	Contains the names of the properties which must be ignored when writing into a file. Optional, Default: undefined.

Returns:

Object data if 'filePath' is not set, 'true' if file write succeeded, 'false' - otherwise.

DoGetProperty(name)

Returns the value of a property with a given name. Names of available properties can be seen in Spy.

Parameters:

Name	Type	Description
name	string	Property name.

Returns:

Property value if successful, an empty string if the property can not be found.

C1TrueDBGrid

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Extends [SeSSimulatedObject](#).

Behavior Pattern: C1TrueDBGridBehavior

Property Summary

Property	Description	Getter	Setter
Cell	Text of the specified cell.	GetCell	
ColumnCount	Number of columns in the table.	GetColumnCount	
ColumnName	Caption of a column.	GetColumnName	
RowCount	Number of rows in the table.	GetRowCount	
SelectedColumn	Index of the selected column.	GetSelectedColumn	
SelectedRow	Index of the selected row.	GetSelectedRow	
Text	Text of the currently focused cell.	GetText	

Action Summary

Action	Description
DoClickCell	Clicks the specified cell
DoFullText	Full text of the table (may be very long!).

Property Detail

Cell

Text of the specified cell.

Accessors: GetCell

ColumnCount

Number of columns in the table.

Accessors: GetColumnCount

ColumnName

Caption of a column.

Accessors: GetColumnName

RowCount

Number of rows in the table.

Accessors: GetRowCount

SelectedColumn

Index of the selected column.

Accessors: GetSelectedColumn

SelectedRow

Index of the selected row.

Accessors: GetSelectedRow

Text

Text of the currently focused cell.

Accessors: GetText

Action Detail

DoClickCell(row, col, clickType, xOffset, yOffset)

Clicks the specified cell

Parameters:

Name	Type	Description
row	number	Zero-based index if the row.
col	number	Zero-based index of the column.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center. Optional.

Returns:

'true' if successful, 'false' otherwise

DoFullText()

Full text of the table (may be very long!).

Returns:

Table's full text

C1TrueDBList[Top](#) [Previous](#) [Next](#)Extends [SeSSimulatedObject](#).

Behavior Pattern: C1TrueDBListBehavior

Property Summary

Property	Description	Getter	Setter
Cell	Text of the specified cell.	GetCell	
ColumnCount	Number of columns in the table.	GetColumnCount	

ColumnName	Caption of a column.	GetColumnName	
ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
RowCount	Number of rows in the table.	GetRowCount	
SelectedColumnCount	Number of selected columns.	GetSelectedColumnCount	
SelectedColumns	Returns string of indexes delimited by separator or array of indexes of selected columns.	GetSelectedColumns	
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectionCount	Number of selected items.	GetSelectionCount	
Text	Text of the currently focused cell.	GetText	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoClearSelection	Clears selection.
DoClickItem	Clicks the specified cell
DoFullText	Read and return full text contents of the table
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.

Property Detail

Cell

Text of the specified cell.

Accessors: GetCell

ColumnCount

Number of columns in the table.

Accessors: GetColumnCount

ColumnName

Caption of a column.

Accessors: GetColumnName

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

RowCount

Number of rows in the table.

Accessors: GetRowCount

SelectedColumnCount

Number of selected columns.

Accessors: GetSelectedColumnCount

SelectedColumns

Returns string of indexes delimited by separator or array of indexes of selected columns.

Accessors: GetSelectedColumns

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Text

Text of the currently focused cell.

Accessors: GetText

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()

Clears selection.

Returns:

'true' if success, 'false' otherwise.

DoClickItem(row, col, clickType, xOffset, yOffset)

Clicks the specified cell

Parameters:

Name	Type	Description
row	number	Zero-based index if the row.
col	number	Zero-based index of the column.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center.

Optional.

Returns:

'true' if successful, 'false' otherwise

DoFullText()

Read and return full text contents of the table

Returns:

Full text of the table (may be very long!), 'false' otherwise

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

C1TrueDBListCombo

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Extends [SeSSimulatedObject](#).

Behavior Pattern: C1TrueDBListBehavior

Property Summary

Property	Description	Getter	Setter
Cell	Text of the specified cell.	GetCell	
ColumnCount	Number of columns in the table.	GetColumnCount	
ColumnName	Caption of a column.	GetColumnName	
ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
RowCount	Number of rows in the table.	GetRowCount	
SelectedColumnCount	Number of selected columns.	GetSelectedColumnCount	
SelectedColumns	Returns string of indexes delimited by separator or array of indexes of selected columns.	GetSelectedColumns	
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectionCount	Number of selected items.	GetSelectionCount	
Text	Text of the currently focused cell.	GetText	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoClearSelection	Clears selection.
DoClickItem	Clicks the specified cell
DoFullText	Read and return full text contents of the table
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.

Property Detail

Cell

Text of the specified cell.

Accessors: GetCell

ColumnCount

Number of columns in the table.

Accessors: GetColumnCount

ColumnName

Caption of a column.

Accessors: GetColumnName

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

RowCount

Number of rows in the table.

Accessors: GetRowCount

SelectedColumnCount

Number of selected columns.

Accessors: GetSelectedColumnCount

SelectedColumns

Returns string of indexes delimited by separator or array of indexes of selected columns.

Accessors: GetSelectedColumns

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Text

Text of the currently focused cell.

Accessors: GetText

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()

Clears selection.

Returns:

'true' if success, 'false' otherwise.

DoClickItem(row, col, clickType, xOffset, yOffset)

Clicks the specified cell

Parameters:

Name	Type	Description
row	number	Zero-based index if the row.

col	number	Zero-based index of the column.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center. Optional.

Returns:

'true' if successful, 'false' otherwise

DoFullText()

Read and return full text contents of the table

Returns:

Full text of the table (may be very long!), 'false' otherwise

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

Property Summary

Property	Description	Getter	Setter
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedItem	Returns the selected item	GetSelectedItem	
Text	Returns the text of the selected item	GetText	

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.

Property Detail

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedItem

Returns the selected item

Accessors: GetSelectedItem

Text

Returns the text of the selected item

Accessors: GetText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

FarPointGrid

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This behavior pattern implements standard behavior for Grid control. Extends [SeSSimulatedObject](#).

Behavior Pattern: FarPointGridBehavior

Property Summary

Property	Description	Getter	Setter
Cell	Text of the specified cell.	GetCell	SetCell
ColumnCount	Number of columns in grid	GetColumnCount	SetColumnCount
ColumnName	Caption of a column.	GetColumnName	SetColumnName
RowCount	Number of rows in grid	GetRowCount	SetRowCount
SelectedCells	Selected cells.	GetSelectedCells	SetSelectedCells

SelectedColumn	Index of the selected column.	GetSelectedColumn	SetSelectedColumn
SelectedColumnCount	Number of selected columns.	GetSelectedColumnCount	SetSelectedColumnCount
SelectedColumns	Selected columns.	GetSelectedColumns	SetSelectedColumns
SelectedRow	Index of the selected row.	GetSelectedRow	SetSelectedRow
SelectedRowCount	Number of selected rows.	GetSelectedRowCount	SetSelectedRowCount
SelectedRows	Selected rows.	GetSelectedRows	SetSelectedRows
Text	Text of the currently focused cell.	GetText	SetText

Action Summary

Action	Description
DoClickCell	Clicks the specified cell
DoFullText	Returns text representation of the table.

Property Detail

Cell

Text of the specified cell.

Accessors: GetCell, SetCell

ColumnCount

Number of columns in grid

Accessors: GetColumnCount, SetColumnCount

ColumnName

Caption of a column.

Accessors: GetColumnName, SetColumnName

RowCount

Number of rows in grid

Accessors: GetRowCount, SetRowCount

SelectedCells

Selected cells.

Accessors: GetSelectedCells, SetSelectedCells

SelectedColumn

Index of the selected column.

Accessors: GetSelectedColumn, SetSelectedColumn

SelectedColumnCount

Number of selected columns.

Accessors: GetSelectedColumnCount, SetSelectedColumnCount

SelectedColumns

Selected columns.

Accessors: GetSelectedColumns, SetSelectedColumns

SelectedRow

Index of the selected row.

Accessors: GetSelectedRow, SetSelectedRow

SelectedRowCount

Number of selected rows.

Accessors: GetSelectedRowCount, SetSelectedRowCount

SelectedRows

Selected rows.

Accessors: GetSelectedRows, SetSelectedRows

Text

Text of the currently focused cell.

Accessors: GetText, SetText

Action Detail

DoClickCell(rowIndex, columnIndex)

Clicks the specified cell

Parameters:

Name	Type	Description
rowIndex	number	Zero-based index if the row.
columnIndex	number	Zero-based index of the column.

Returns:

'true' if successful, 'false' otherwise

DoFullText(fileName)

Returns text representation of the table.

Parameters:

Name	Type	Description
fileName	string	Name of a file that should hold text representation of the grid. Optional.

Returns:

Text representation of the grid, 'true' if the file was successfully written, 'false' otherwise.

ManagedButton

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Managed Button. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectButtonBehavior

ManagedCheckBox

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Managed CheckBox. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectCheckableBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

ManagedCheckedListBox

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Managed Checked ListBox. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectCheckedListBoxSelectableBehavior

Property Summary

Property	Description	Getter	Setter
CheckedCount	Returns number of checked items in ListView.	GetCheckedCount	
CheckedIndices	Array of indices of checked elements.	GetCheckedIndices	
CheckedItems	Array of item names of checked elements.	GetCheckedItems	
ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectedText	Text of the selected item in a single string.	GetSelectedText	
SelectionCount	Number of selected items.	GetSelectionCount	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoCheckItem	Checks items of this object.
DoClearSelection	
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.
DoSetCheck	Sets 'checked' state of the specified node.

Property Detail

CheckedCount

Returns number of checked items in ListView.

Accessors: GetCheckedCount

CheckedIndices

Array of indices of checked elements.

Accessors: GetCheckedIndices

CheckedItems

Array of item names of checked elements.

Accessors: GetCheckedItems

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoCheckItem(items, separator, itemsType)

Checks items of this object.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()**DoRemoveSelection(items, separator, itemsType)**

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator

		Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSetCheck(bcheck, items, separator, itemsType)

Sets 'checked' state of the specified node.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

ManagedComboBox

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Managed ComboBox. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectSelectableBehavior

Property Summary

Property	Description	Getter	Setter
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedText	Text of the selected item in a single string.	GetSelectedText	SetSelectedText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.

Property Detail

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText, SetSelectedText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

ManagedDataGridView

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Managed DataGridView. Extends [ManagedObject](#).

Behavior Pattern: ManagedDataGridViewBehavior

Property Summary

Property	Description	Getter	Setter
Cell	Text of the specified cell.	GetCell	
ColumnCount	Number of columns in the table.	GetColumnCount	
ColumnName	Caption of a column.	GetColumnName	
RowCount	Number of rows in the table.	GetRowCount	
Text	Text of the currently focused cell.	GetText	

Action Summary

Action	Description
DoClickCell	Clicks the specified cell

Property Detail

Cell

Text of the specified cell.

Accessors: GetCell

ColumnCount

Number of columns in the table.

Accessors: GetColumnCount

ColumnName

Caption of a column.

Accessors: GetColumnName

RowCount

Number of rows in the table.

Accessors: GetRowCount

Text

Text of the currently focused cell.

Accessors: GetText

Action Detail

DoClickCell(row, col, clickType, xOffset, yOffset)

Clicks the specified cell

Parameters:

Name	Type	Description
row	number	Zero-based index if the row.
col	number	Zero-based index of the column.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center. Optional.

Returns:

'true' if successful, 'false' otherwise

ManagedLabel

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Managed Label. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

ManagedLinkLabel

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Managed Link Label. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

ManagedListBox

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Managed ListBox. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectListBoxSelectableBehavior

Property Summary

Property	Description	Getter	Setter
ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectedText	Text of the selected item in a single string.	GetSelectedText	
SelectionCount	Number of selected items.	GetSelectionCount	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoClearSelection	
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.

Property Detail

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index.'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ";" separator.

Accessors: GetSelectedItems

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is'index' and 'items' parameter is of String type then'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.

separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is'index' and 'items' parameter is of String type then'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is'index' and 'items' parameter is of String type then'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

ManagedListView

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Managed ListView. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectListViewSelectableBehavior

Property Summary

Property	Description	Getter	Setter
CheckBoxes	Returns true if items have checkboxes near them.	GetCheckBoxes	
CheckedCount	Returns number of checked items in ListView.	GetCheckedCount	
CheckedIndices	Array of indices of checked elements.	GetCheckedIndices	
ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectionCount	Number of selected items.	GetSelectionCount	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoCheckItem	Checks items of this object.

DoClearSelection	Clears selection.
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.
DoSetCheck	Sets 'checked' state of the specified node.

Property Detail

CheckBoxes

Returns true if items have checkboxes near them.

Accessors: GetCheckBoxes

CheckedCount

Returns number of checked items in ListView.

Accessors: GetCheckedCount

CheckedIndices

Array of indices of checked elements.

Accessors: GetCheckedIndices

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined.

Optional.

Returns:

'true' if success, 'false' otherwise.

DoCheckItem(items, separator, itemsType)

Checks items of this object.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()

Clears selection.

Returns:

'true' if success, 'false' otherwise.

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
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items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSetCheck(bcheck, items, separator, itemsType)

Sets 'checked' state of the specified node.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

ManagedMenuPopuItem

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Managed MenuPopuItem. Extends [ManagedObject](#).

Behavior Pattern: ManagedMenuItemBehavior

Action Summary

Action	Description
DoMenu	Performs click on the menu item.

Action Detail

DoMenu(path, separator)

Performs click on the menu item.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.

separator	string	Separator Optional, Default: ;.
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Returns:

'true' if success, 'false' otherwise.

ManagedMenuStrip

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Managed MenuStrip. Extends [ManagedObject](#).

Behavior Pattern: ManagedMenuBehavior

Action Summary

Action	Description
DoClickItem	Perform Click on the navigation item
DoMenu	Performs click on the menu item.

Action Detail

DoClickItem(menuitemName)

Perform Click on the navigation item

Parameters:

Name	Type	Description
menuitemName	string	Name of MenuStrip's item to click

Returns:

'true' if success, 'false' otherwise.

DoMenu(path, separator)

Performs click on the menu item.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.

Returns:

'true' if success, 'false' otherwise.

ManagedObject

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Generic .NET Managed Object.

Behavior Pattern: ManagedObjectGenericBehavior

Property Summary

Property	Description	Getter	Setter
ControlType	Type of the object.	GetControlType	
Height	Height of the object.	GetHeight	
Width	Width of the object.	GetWidth	
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoDumpWidget	Dumps Spy data for the object.
DoGetWidgetProperty	Returns the value of a property with a given name.

Property Detail

ControlType

Type of the object.

Accessors: GetControlType

Height

Height of the object.

Accessors: GetHeight

Width

Width of the object.

Accessors: GetWidth

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoDumpWidget(dumpProperties, maxDepth, trimValue, indent, filePath, append, ignoreProps)

Dumps Spy data for the object.

Parameters:

Name	Type	Description
dumpProperties	boolean	If 'true' then includes properties to the result. Optional, Default: false.
maxDepth	number	Determines max recursion depth. If '0' then dumps current object only, if '1' - dumps direct children as well, etc. If '-1' then dumps the whole subtree of objects. Optional, Default: 0.
trimValue	number	Determines maximum length of a property value. Excess characters are truncated. Optional, Default: 256.
indent	string	Indentation string for child objects and properties. Optional, Default: \.
filePath	string	If 'filePath' is set then outputs result to corresponding file. Optional.
append	boolean	If 'true' then file should be overwritten, if 'false' then data should be appended. Optional, Default: false.
ignoreProps	Array	Contains the names of the properties which must be ignored when writing into a file. Optional, Default: undefined.

Returns:

Object data if 'filePath' is not set, 'true' if file write succeeded, 'false' - otherwise.

DoGetWidgetProperty(name)

Returns the value of a property with a given name. Names of available properties can be seen in Spy.

Parameters:

Name	Type	Description
name	string	Property name.

Returns:

Property value if successful, an empty string if the property can not be found.

ManagedPropertyGrid

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Managed PropertyGrid. Extends [ManagedObject](#).

Behavior Pattern: ManagedPropertyGridBehavior

Property Summary

Property	Description	Getter	Setter
Expanded	True if selected item is expanded	GetExpanded	
SelectedItem	Returns the structure with label, value, expanded fields	GetSelectedItem	
SelectedLabel	Label of the selected item.	GetSelectedLabel	
SelectedText	Text of the selected item.	GetSelectedText	
VisibleRowCount	Number of visible rows	GetVisibleRowCount	

Action Summary

Action	Description
DoCollapse	Collapses an item of this object.
DoExpand	Expands an item of this object.
DoSelectItem	Selects an item of this object.
DoSetValue	Sets value of an grid item of this object.

Property Detail

Expanded

True if selected item is expanded

Accessors: GetExpanded

SelectedItem

Returns the structure with label, value, expanded fields

Accessors: GetSelectedItem

SelectedLabel

Label of the selected item.

Accessors: GetSelectedLabel

SelectedText

Text of the selected item.

Accessors: GetSelectedText

VisibleRowCount

Number of visible rows

Accessors: GetVisibleRowCount

Action Detail

DoCollapse(val)

Collapses an item of this object.

Parameters:

Name	Type	Description
val	string number	name/index of the value to Collapse.

Returns:

'true' if success, 'false' otherwise.

DoExpand(val)

Expands an item of this object.

Parameters:

Name	Type	Description
val	string number	name/index of the value to Expand.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(indexLabel)

Selects an item of this object.

Parameters:

Name	Type	Description
indexLabel	string number	name/index of the value to select.

Returns:

'true' if success, 'false' otherwise.

DoSetValue(label, val)

Sets value of an grid item of this object.

Parameters:

Name	Type	Description
label	string number	Property grid row label or index
val	string number	value to set

Returns:

'true' if success, 'false' otherwise.

ManagedRadioButton

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Managed Radio Button. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectCheckableBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

ManagedTextBox

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Managed Text Editor. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

ManagedTreeView

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Managed TreeView. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTreeViewBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Checked state of the selected node or a node specified by the input parameters.	GetChecked	
ChildrenCount	Number of children of the selected node or a node specified by the input parameters.	GetChildrenCount	
Expanded	Expanded state of the selected node or a node specified by the input parameters.	GetExpanded	
IndexPath	Index path of the specified or selected tree node i.e.	GetIndexPath	
NodeText	Text of the selected node or a node specified by the input parameters.	GetNodeText	
Selected	Selected state of the selected node or a node specified by the input parameters	GetSelected	
Text	;-combined text of all selected nodes.	GetText	

Action Summary

Action	Description
DoClickNode	Clicks specific node in the tree.
DoCollapse	Collapses specific node in the tree.
DoExpand	Expands specific node in the tree.
DoSetCheck	Set 'checked' state of the specified node

Property Detail

Checked

Checked state of the selected node or a node specified by the input parameters.

Accessors: GetChecked

ChildrenCount

Number of children of the selected node or a node specified by the input parameters.

Accessors: GetChildrenCount

Expanded

Expanded state of the selected node or a node specified by the input parameters.

Accessors: GetExpanded

IndexPath

Index path of the specified or selected tree node i.e. string in form '0;5;2;1;6', 'false' if fails

Accessors: GetIndexPath

NodeText

Text of the selected node or a node specified by the input parameters.

Accessors: GetNodeText

Selected

Selected state of the selected node or a node specified by the input parameters

Accessors: GetSelected

Text

; -combined text of all selected nodes.

Accessors: GetText

Action Detail

DoClickNode(path, separator, pathType, xOffset, yOffset)

Clicks specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center. Optional.

Returns:

'true' if success, 'false' otherwise.

DoCollapse(path, separator, pathType)

Collapses specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoExpand(path, separator, pathType)

Expands specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoSetCheck(bcheck, path, separator, pathType)

Set 'checked' state of the specified node

Parameters:

Name	Type	Description
bcheck	boolean	Check state to set
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

YUIButtonMenu

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YUI ButtonMenu. It is a container attached to a menu button. Using this container is useful when you need to house HTML content or another YUI widget, such as a Calendar or Color Picker. Extends [HTMLObject](#).

Behavior Pattern: YUIButtonMenuBehavior

Action Summary

Action	Description
DoClick	Clicks on the menu container.

Action Detail

DoClick()

Clicks on the menu container.

Returns:

'true' if successful, 'false' otherwise

YUICalendar

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YUI Calendar. Extends [HTMLObject](#).

Behavior Pattern: YUICalendarBehavior

Property Summary

Property	Description	Getter	Setter
Month	Current month displayed by the date picker.	GetMonth	

Action Summary

Action	Description
DoNextMonth	Clicks on 'Next Month' selector.
DoPrevMonth	Clicks on 'Previous Month' selector.
DoSelectDate	Selects specific date in the date picker.

Property Detail

Month

Current month displayed by the date picker.

Accessors: GetMonth

Action Detail

DoNextMonth()

Clicks on 'Next Month' selector.

Returns:

'true' if success, 'false' otherwise

DoPrevMonth()

Clicks on 'Previous Month' selector.

Returns:

'true' if success, 'false' otherwise

DoSelectDate(dateValue)

Selects specific date in the date picker.

Parameters:

Name	Type	Description
dateValue	Date	New date to select

Returns:

'true' if success, 'false' otherwise

YUICheckButton

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YUI CheckButton. Extends [HTMLObject](#).

Behavior Pattern: YUICheckButtonBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

YUIMenu

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YUI Menu. Extends [HTMLObject](#).

Behavior Pattern: YUIMenuBehavior

Action Summary

Action	Description
DoFindChild	Searches for specific item in the menu.
DoMenu	Performs click on the menu item.
DoTitleMenu	Clicks menu title item.

Action Detail

DoFindChild(path, separator, pathType)

Searches for specific item in the menu.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'index'.

Returns:

HTMLObject of the found node

DoMenu(path, separator, pathType)

Performs click on the menu item.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'index'.

Returns:

'true' if success, 'false' otherwise.

DoTitleMenu(path, separator, pathType)

Clicks menu title item. Only 1 menu level currently supported.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'index'.

Returns:

'true' if success, 'false' otherwise.

YUIMenuBar

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YUI MenuBar. Extends [HTMLObject](#).

Behavior Pattern: YUIMenuBarBehavior

Action Summary

Action	Description
DoFindChild	Searches for specific item in the menu.
DoMenu	Performs click on the menu item.

Action Detail

DoFindChild(path, separator, pathType)

Searches for specific item in the menu.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.

pathType	string	Path type. Can be one of 'name', 'index'.
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Returns:

HTMLObject of the found node

DoMenu(path, separator, pathType)

Performs click on the menu item.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;
pathType	string	Path type. Can be one of 'name', 'index'.

Returns:

'true' if success, 'false' otherwise.

YUIMenuButton

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YUI MenuButton. Extends [HTMLObject](#).

Behavior Pattern: YUIMenuButtonBehavior

Property Summary

Property	Description	Getter	Setter
Active	Active state of the button.	GetActive	

Action Summary

Action	Description
DoClick	Clicks the menu button.

Property Detail

Active

Active state of the button. If the button is active it is highlighted in YUI. Usually to make an object Active user needs to move mouse over the object

Accessors: GetActive

Action Detail

DoClick()

Clicks the menu button.

Returns:

'true' if successful, 'false' otherwise

YUIPushButton

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YUI PushButton. Extends [HTMLObject](#).

Behavior Pattern: YUIPushButtonBehavior

YUIRadioButton

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YUI RadioButton. Extends [HTMLObject](#).

Behavior Pattern: YUIRadioButtonBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

YUISliderH

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YUI Horizontal Slider. Extends [HTMLObject](#).

Behavior Pattern: YUISliderHBehavior

Action Summary

Action	Description
DoChange	Changes slider position.

Action Detail

DoChange(value)

Changes slider position.

Parameters:

Name	Type	Description
value	number	Slider position to set.

Returns:

'true' if successful, 'false' otherwise

YUISliderV

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YUI Vertical Slider. Extends [HTMLObject](#).

Behavior Pattern: YUISliderVBehavior

Action Summary

Action	Description
DoChange	Changes slider position.

Action Detail

DoChange(value)

Changes slider position.

Parameters:

Name	Type	Description
value	number	Slider position to set.

Returns:

'true' if successful, 'false' otherwise

YUISplitButton

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Standard YUI SplitButton. Extends [HTMLObject](#).

Behavior Pattern: YUISplitButtonBehavior

Property Summary

Property	Description	Getter	Setter
Active	Active state of the button.	GetActive	

Action Summary

Action	Description
DoClick	Clicks the button.
DoMenu	Clicks menu of the split button.

Property Detail

Active

Active state of the button. If the button is active it is highlighted in YUI. Usually to make an object Active user needs to move mouse over the object.

Accessors: GetActive

Action Detail

DoClick(x, y)

Clicks the button.

Parameters:

Name	Type	Description
x	number	x coordinate to click Optional.
y	number	y coordinate to click Optional.

Returns:

'true' if successful, 'false' otherwise

DoMenu()

Clicks menu of the split button.

Returns:

'true' if successful, 'false' otherwise

YUITree

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YUI Tree. Extends [HTMLObject](#).

Behavior Pattern: YUITreeBehavior

Property Summary

Property	Description	Getter	Setter
ChildrenCount	Children count of the current node in the tree.	GetChildrenCount	
Expanded	Expanded state of the current node.	GetExpanded	
NodeIndex	Zero based index of the current node.	GetNodeIndex	
NodeText	Text of the current node.	GetNodeText	
Selected	Selected state of the current node.	GetSelected	
SelectedNodeText	Text of the selected node.	GetSelectedNodeText	

Action Summary

Action	Description
DoClickNode	Clicks specific node in the tree.
DoCollapse	Collapses specific node in the tree.
DoExpand	Expands specific node in the tree.
DoFindChild	Finds child node by its path from the current node and remembers it as the current node.
DoFindNode	Searches for specific node in the tree and remembers it as the current node.

Property Detail

ChildrenCount

Children count of the current node in the tree.

Accessors: GetChildrenCount

Expanded

Expanded state of the current node. Use DoFindNode to set current node. 0 - if the node is collapsed, 1 - if the node is expanded, 2 - if the node is a leaf.

Accessors: GetExpanded

NodeIndex

Zero based index of the current node. Use DoFindNode to set current node.

Accessors: GetNodeIndex

NodeText

Text of the current node. Use DoFindNode to set current node.

Accessors: GetNodeText

Selected

Selected state of the current node. Use DoFindNode to set current node. 'true' if the node is selected, 'false' otherwise.

Accessors: GetSelected

SelectedNodeText

Text of the selected node.

Accessors: GetSelectedNodeText

Action Detail

DoClickNode(path, separator, pathType)

Clicks specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoCollapse(path, separator, pathType)

Collapses specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoExpand(path, separator, pathType)

Expands specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoFindChild(path, separator, pathType, expand)

Finds child node by its path from the current node and remembers it as the current node. If current node is not set then Root node is used.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.
expand	boolean	is set to true, then found node is expanded

Returns:

HTMLObject of the found node

DoFindNode(path, separator, pathType, expand)

Searches for specific node in the tree and remembers it as the current node.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.
expand	boolean	is set to true, then found node is expanded

Returns:

HTMLObject of the found node

DoGetPath(pathType, separator)

Returns path to the current node.

Parameters:

Name	Type	Description
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.
separator	string	Separator

Optional, Default: ;.

Returns:

Path to the current node

JQueryAccordion

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jQuery-UI Accordion. Extends [HTMLObject](#).

Behavior Pattern: JQueryAccordionBehavior

Property Summary

Property	Description	Getter	Setter
ItemsCount	Gets the number of tabs	GetItemsCount	
SelectedIndex	Gets the index of the selected tab	GetSelectedIndex	
SelectedTab	Gets the text of the selected tab	GetSelectedTab	

Action Summary

Action	Description
DoSelectTab	Selects a specific tab of the accordion.

Action Detail

DoSelectTab(tabName)

Selects a specific tab of the accordion.

Parameters:

Name	Type	Description
tabName	string	The name of the tab to select

Returns:

'true' if successful, 'false' otherwise

JQueryDatepicker

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jQuery-UI Date Picker. Extends [HTMLObject](#).

Behavior Pattern: JQueryDatepickerBehavior

Property Summary

Property	Description	Getter	Setter
Month	Gets the currently selected month	GetMonth	
Year	Gets the currently selected year	GetYear	

Action Summary

Action	Description
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SelectDate	Selects a specific day in the current month
DoPrevMonth	Changes to the previous month
DoNextMonth	Changes to the next month

Action Detail

DoSelectDate(dateValue)

Selects a specific day in the current month

Parameters:

Name	Type	Description
dateValue	number	The day of the month to choose

Returns:

'true' if successful, 'false' otherwise

DoPrevMonth()

Changes to the previous month

Returns:

'true' if successful, 'false' otherwise

DoNextMonth()

Changes to the next month

Returns:

'true' if successful, 'false' otherwise

JQueryMenu

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jQuery-UI Menu Control. Extends [HTMLObject](#).

Behavior Pattern: JQueryMenuBehavior

Action Summary

Action	Description
DoMenu	Performs click on the menu item.
DoFindChild	Searches for specific item in the menu.

Action Detail

DoFindChild(path, separator, pathType)

Searches for specific item in the menu.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.

pathType	string	Path type. Can be one of 'name', 'index'.
----------	--------	---

Returns:

HTMLObject of the found node

DoMenu(path, separator, pathType)

Performs click on the menu item.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'index'.

Returns:

'true' if success, 'false' otherwise.

JQueryProgressbar

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jQuery-UI Progress Bar. Extends [HTMLObject](#).

Behavior Pattern: JQueryProgressbarBehavior

Property Summary

Property	Description	Getter	Setter
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	
Value	Current value of the progress bar.	GetValue	

JQuerySliderH

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jQuery-UI Horizontal Slider. Extends [HTMLObject](#).

Behavior Pattern: JQuerySliderHBehavior

Action Summary

Action	Description
DoChange	Changes slider position.

Action Detail

DoChange(value)

Changes slider position.

Parameters:

Name	Type	Description
value	number	Slider position to set.

Returns:

'true' if successful, 'false' otherwise

JQuerySliderV

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jQuery-UI Vertical Slider. Extends [HTMLObject](#).

Behavior Pattern: JQuerySliderVBehavior

Action Summary

Action	Description
DoChange	Changes slider position.

Action Detail

DoChange(value)

Changes slider position.

Parameters:

Name	Type	Description
value	number	Slider position to set.

Returns:

'true' if successful, 'false' otherwise

JQuerySpinner

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jQuery-UI Spinner control. Extends [HTMLObject](#).

Behavior Pattern: JQuerySpinnerBehavior

Property Summary

Property	Description	Getter	Setter
Value	Gets/Sets the value of the spinner	GetValue	SetValue

Action Summary

Action	Description
DoSetValue	Sets the value of the spinner
DoPageUp	Clicks the PageUp spinner button
DoPageDown	Clicks the PageDown spinner button

Action Detail

DoSetValue(value)

Sets the value of the spinner

Parameters:

Name	Type	Description
value	number	The desired value of the spinner.

Returns:

'true' if successful, 'false' otherwise

DoPageUp()

Changes to the previous month

Returns:

'true' if successful, 'false' otherwise

DoPageDown()

Changes to the next month

Returns:

'true' if successful, 'false' otherwise

JQueryTabs

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jQuery-UI Tab Control. Extends [HTMLObject](#).

Behavior Pattern: JQueryTabsBehavior

Property Summary

Property	Description	Getter	Setter
ItemsCount	Gets the number of tabs	GetItemsCount	
SelectedIndex	Gets the index of the selected tab	GetSelectedIndex	
SelectedTab	Gets the text of the selected tab	GetSelectedTab	

Action Summary

Action	Description
DoSelectTab	Selects a specific tab of the tab control.

Action Detail

DoSelectTab(tabName)

Selects a specific tab of the tab control.

Parameters:

Name	Type	Description
tabName	string	The name of the tab to select

Returns:

'true' if successful, 'false' otherwise

SimpleButton

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Button control.

Behavior Pattern: SimplePressable

Action Summary

Action	Description
DoAction	Presses button using mouse click or default action.

Action Detail

DoAction()

Presses button using mouse click or default action.

SimpleButtonDropdown

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Check button control.

Behavior Pattern: SimplePressable

Action Summary

Action	Description
DoAction	Presses button using mouse click or default action.

Action Detail

DoAction()

Presses button using mouse click or default action.

Behavior Pattern: SimpleDropdown

Action Summary

Action	Description
DoDropdown	Opens dropdown.

Action Detail

DoDropdown()

Opens dropdown.

SimpleCheckButton

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Behavior Pattern: Win32CheckBox

ComboBox control.

Behavior Pattern: Win32ItemSelectable

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

Behavior Pattern: Win32ItemCombo

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string	This is a name of item to select.

Returns:

'true' if operation is successful, 'false' otherwise

Graphics control.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail**DoAction()**

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center.

Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

SimpleLink

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Link control.

Behavior Pattern: Win32Pressable

Action Summary

Action	Description
DoAction	Presses the button.

Action Detail

DoAction()

Presses the button.

SimpleLinkText

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Link text control.

Behavior Pattern: Win32Pressable

Action Summary

Action	Description
DoAction	Presses the button.

Action Detail

DoAction()

Presses the button.

SimpleList

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List control.

Behavior Pattern: Win32ItemSelectable

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

Behavior Pattern: Win32ItemExpandable

Action Summary

Action	Description
DoExpand	Expands an item of this object.

Action Detail

DoExpand(itemName)

Expands an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to expand

Returns:

'true' if operation was successful, 'false' otherwise

Behavior Pattern: Win32ItemCheckable

Action Summary

Action	Description
DoCheckItem	Checks an item of this object.

Action Detail

DoCheckItem(itemName)

Checks an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to check

Outline control.

Behavior Pattern: Win32ItemSelectable

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

Behavior Pattern: Win32ItemExpandable

Action Summary

Action	Description
DoExpand	Expands an item of this object.

Action Detail

DoExpand(itemName)

Expands an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to expand

Returns:

'true' if operation was successful, 'false' otherwise

Behavior Pattern: Win32ItemCheckable

Action Summary

Action	Description
DoCheckItem	Checks an item of this object.

Action Detail

DoCheckItem(itemName)

Checks an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to check

SimpleRadioButton

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Static text control.

Behavior Pattern: Win32Radio

SimpleText

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Behavior Pattern: Win32TextEditable

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

JavaButton

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Java Button. Extends [JavaObject](#).

Behavior Pattern: JButtonBehavior

JavaCheckBox

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Java CheckBox. Extends [JavaObject](#).

Behavior Pattern: JButtonCheckableBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

JavaChoice

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Java Choice. Extends [JavaObject](#).

Behavior Pattern: JButtonSelectableBehavior

Property Summary

Property	Description	Getter	Setter
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedText	Text of the selected item in a single string.	GetSelectedText	SetSelectedText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.

Property Detail

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText, SetSelectedText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

JavaLabel

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Java Label. Extends [JavaObject](#).

Behavior Pattern: JavaObjectLabelBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText

JavaList

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Java List. Extends [JavaObject](#).

Behavior Pattern: JavaObjectListSelectableBehavior

Property Summary

Property	Description	Getter	Setter
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ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectedText	Text of the selected item in a single string.	GetSelectedText	
SelectionCount	Number of selected items.	GetSelectionCount	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoClearSelection	Clears selection.
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.

Property Detail

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()

Clears selection.

Returns:

'true' if success, 'false' otherwise.

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

JavaObject

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Standard Java (AWT, Swing) Object.

Behavior Pattern: JavaObjectGenericBehavior

Property Summary

Property	Description	Getter	Setter
ControlType	Type of the object.	GetControlType	
Height	Height of the object.	GetHeight	
Width	Width of the object.	GetWidth	
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Clicks in the middle of the control.
DoDumpWidget	Dumps Spy data for the object.
DoGetWidgetProperty	Returns the value of a property with a given name.

Property Detail

ControlType

Type of the object.

Accessors: GetControlType

Height

Height of the object.

Accessors: GetHeight

Width

Width of the object.

Accessors: GetWidth

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Clicks in the middle of the control.

Returns:

'true' if success, 'false' otherwise.

DoDumpWidget(dumpProperties, maxDepth, trimValue, indent, filePath, append)

Dumps Spy data for the object.

Parameters:

Name	Type	Description
dumpProperties	boolean	If 'true' then includes properties to the result. Optional, Default: false.
maxDepth	number	Determines max recursion depth. If '0' then dumps current object only, if '1' - dumps direct children as well, etc. If '-1' then dumps the whole subtree of objects. Optional, Default: 0.
trimValue	number	Determines maximum length of a property value. Excess characters are truncated. Optional, Default: 256.
indent	string	Indentation string for child objects and properties. Optional, Default: \.
filePath	string	If 'filePath' is set then outputs result to corresponding file. Optional.
append	boolean	If 'true' then file should be overwritten, if 'false' then data should be appended. Optional, Default: false.

Returns:

Object data if 'filePath' is not set, 'true' if file write succeeded, 'false' - otherwise.

DoGetProperty(name)

Returns the value of a property with a given name. Names of available properties can be seen in Spy.

Parameters:

Name	Type	Description
name	string	Property name.

Returns:

Property value if successful, an empty string if the property can not be found.

JavaSwingButton

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Java Swing Button. Extends [JavaObject](#).

Behavior Pattern: JavaObjectButtonBehavior

JavaSwingCheckBox

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Java Swing CheckBox. Extends [JavaObject](#).

Behavior Pattern: JavaSwingObjectCheckableBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

JavaSwingComboBox

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Java Swing Combo Box. Extends [JavaObject](#).

Behavior Pattern: JavaSwingObjectSelectableBehavior

Property Summary

Property	Description	Getter	Setter
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedText	Text of the selected item in a single string.	GetSelectedText	SetSelectedText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.

Property Detail

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText, SetSelectedText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

JavaSwingLabel

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Java Swing Label. Extends [JavaObject](#).

Behavior Pattern: JavaObjectLabelBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText

JavaSwingList

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Java Swing List. Extends [JavaObject](#).

Behavior Pattern: JavaSwingObjectListSelectableBehavior

Property Summary

Property	Description	Getter	Setter
ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectedText	Text of the selected item in a single string.	GetSelectedText	
SelectionCount	Number of selected items.	GetSelectionCount	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoClearSelection	Clears selection.
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.

Property Detail

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index.'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()

Clears selection.

Returns:

'true' if success, 'false' otherwise.

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

JavaSwingMenuBar

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Java Swing Menu Bar. Extends [JavaObject](#).

Behavior Pattern: JavaSwingObjectMenuBarBehavior

Action Summary

Action	Description
DoFullText	Returns text representation of the menu or saves it to a file.
DoGetSubmenuCount	Gets the number of submenu items for a given menu path.
DoGetSubmenuProperty	Gets submenu property.
DoGetSubmenuText	Gets submenu text.
DoMenu	Performs click on the menu item.

Action Detail

DoFullText(separator, filePath, append, includeSeparators)

Returns text representation of the menu or saves it to a file.

Parameters:

Name	Type	Description
separator	string	Separator Optional, Default: ;.
filePath	string	Name of a file that should hold text representation of the menu.
append	boolean	If 'false' then file should be overwritten, if 'true' then data should be appended. Optional, Default: false.
includeSeparators	boolean	If 'true' then menu separators are included to the result. Optional, Default: false.

Returns:

Text representation of the menu, 'true' if the file was successfully written, 'false' otherwise.

DoGetSubmenuCount(path, separator)

Gets the number of submenu items for a given menu path.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.

Returns:

Number of submenu items, 'false' otherwise.

DoGetSubmenuProperty(path, index, property, separator)

Gets submenu property.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
index	number	Index of the submenu.
property	string	Name of a property. Available properties can be seen in Java Spy.
separator	string	Separator Optional, Default: ;.

Returns:

Submenu property, 'false' otherwise.

DoGetSubmenuText(path, index, separator)

Gets submenu text.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
index	number	Index of the submenu.
separator	string	Separator Optional, Default: ;.

Returns:

Submenu text, 'false' otherwise.

DoMenu(path, separator)

Performs click on the menu item.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.

Returns:

'true' if success, 'false' otherwise.

JavaSwingPasswordField

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Java Swing Password Field. Extends [JavaObject](#).

Behavior Pattern: JavaObjectTextFieldBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

JavaSwingProgressBar

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Java Swing Progress Bar. Extends [JavaObject](#).

Behavior Pattern: JavaSwingObjectProgressBarBehavior

Property Summary

Property	Description	Getter	Setter
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue
Value	Value of the object.	GetValue	SetValue

Property Detail

MaxValue

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

Value

Value of the object.

Accessors: GetValue, SetValue

JavaSwingRadioButton

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Java Swing Radio Button. Extends [JavaObject](#).

Behavior Pattern: JavaSwingObjectCheckableBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

JavaSwingSlider

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Java Swing Slider. Extends [JavaObject](#).

Behavior Pattern: JavaSwingObjectProgressBarBehavior

Property Summary

Property	Description	Getter	Setter
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue
Value	Value of the object.	GetValue	SetValue

Property Detail

MaxValue

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

Value

Value of the object.

Accessors: GetValue, SetValue

JavaSwingTable

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Java Swing Table. Extends [JavaObject](#).

Behavior Pattern: JavaSwingObjectTableBehavior

Property Summary

Property	Description	Getter	Setter
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Cell	Text of the specified cell.	GetCell	
ColumnCount	Number of columns in the table.	GetColumnCount	
ColumnName	Caption of a column.	GetColumnName	
RowCount	Number of rows in the table.	GetRowCount	
SelectedCells	Returns string of cell coordinates delimited by separators or an array of coordinate objects for selected cells.	GetSelectedCells	
SelectedColumn	Index of the selected column.	GetSelectedColumn	
SelectedColumnCount	Number of selected columns.	GetSelectedColumnCount	
SelectedColumns	Returns string of indexes delimited by separator or array of indexes of selected columns.	GetSelectedColumns	
SelectedRow	Index of the selected row.	GetSelectedRow	
SelectedRowCount	Number of selected rows.	GetSelectedRowCount	
SelectedRows	Returns string of indexes delimited by separator or array of indexes of selected rows.	GetSelectedRows	
Text	Text of the currently focused cell.	GetText	

Action Summary

Action	Description
DoClickCell	Clicks the specified cell
DoFullText	Read and return full text contents of the table

Property Detail

Cell

Text of the specified cell.

Accessors: GetCell

ColumnCount

Number of columns in the table.

Accessors: GetColumnCount

ColumnName

Caption of a column.

Accessors: GetColumnName

RowCount

Number of rows in the table.

Accessors: GetRowCount

SelectedCells

Returns string of cell coordinates delimited by separators or an array of coordinate objects for selected cells.

Accessors: GetSelectedCells

SelectedColumn

Index of the selected column.

Accessors: GetSelectedColumn

SelectedColumnCount

Number of selected columns.

Accessors: GetSelectedColumnCount

SelectedColumns

Returns string of indexes delimited by separator or array of indexes of selected columns.

Accessors: GetSelectedColumns

SelectedRow

Index of the selected row.

Accessors: GetSelectedRow

SelectedRowCount

Number of selected rows.

Accessors: GetSelectedRowCount

SelectedRows

Returns string of indexes delimited by separator or array of indexes of selected rows.

Accessors: GetSelectedRows

Text

Text of the currently focused cell.

Accessors: GetText

Action Detail

DoClickCell(row, col, clickType, xOffset, yOffset)

Clicks the specified cell

Parameters:

Name	Type	Description
row	number	Zero-based index if the row.
col	number	Zero-based index of the column.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center. Optional.

Returns:

'true' if successful, 'false' otherwise

DoFullText()

Read and return full text contents of the table

Returns:

Full text of the table (may be very long!), 'false' otherwise

JavaSwingTextArea

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Java Swing Text Area. Extends [JavaObject](#).

Behavior Pattern: JavaObjectTextFieldBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

JavaSwingTextField

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Java Swing Text Field. Extends [JavaObject](#).

Behavior Pattern: JavaObjectTextFieldBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

JavaSwingToggleButton

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Java Swing ToggleButton. Extends [JavaObject](#).

Behavior Pattern: JavaSwingObjectCheckableBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

JavaSwingTree

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Java Swing Tree. Extends [JavaObject](#).

Behavior Pattern: JavaSwingObjectTreeBehavior

Property Summary

Property	Description	Getter	Setter
ChildrenCount	Number of children of the selected node or a node specified by the input parameters.	GetChildrenCount	
Expanded	Expanded state of the selected node or a node specified by the input parameters.	GetExpanded	
IndexPath	Index path of the specified or selected tree node i.e.	GetIndexPath	
NodeText	Text of the selected node or a node specified by the input parameters.	GetNodeText	
Selected	Selected state of the selected node or a node specified by the input	GetSelected	

Action Summary

Action	Description
DoClickNode	Clicks specific node in the tree.
DoCollapse	Collapses specific node in the tree.
DoExpand	Expands specific node in the tree.

Property Detail

ChildrenCount

Number of children of the selected node or a node specified by the input parameters.

Accessors: GetChildrenCount

Expanded

Expanded state of the selected node or a node specified by the input parameters.

Accessors: GetExpanded

IndexPath

Index path of the specified or selected tree node i.e. string in form '0;5;2;1;6', 'false' if fails

Accessors: GetIndexPath

NodeText

Text of the selected node or a node specified by the input parameters.

Accessors: GetNodeText

Selected

Selected state of the selected node or a node specified by the input parameters

Accessors: GetSelected

Action Detail

DoClickNode(path, separator, pathType, clickType, xOffset, yOffset)

Clicks specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center. Optional.

Returns:

'true' if success, 'false' otherwise.

DoCollapse(path, separator, pathType)

Collapses specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoExpand(path, separator, pathType)

Expands specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

JavaTextArea

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Java Text Area. Extends [JavaObject](#).

Behavior Pattern: JavaObjectTextFieldBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

JavaTextField

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Java Text Field. Extends [JavaObject](#).

Behavior Pattern: JavaObjectTextFieldBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

SWTComboBox

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Extends [UIAObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: SWTComboBoxBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.
DoSetText	Set text into combobox with an edit box.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

DoSetText(newText)

Set text into combobox with an edit box.

Parameters:

Name	Type	Description
newText	string	Text to set

Returns:

'true' if successful, 'false' otherwise

SWTComboBoxEdit

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Extends [UIAObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: SWTComboBoxBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.

DoSetText	Set text into combobox with an edit box.
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Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

DoSetText(newText)

Set text into combobox with an edit box.

Parameters:

Name	Type	Description
newText	string	Text to set

Returns:

'true' if successful, 'false' otherwise

Behavior Pattern: SWTTextBoxBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

SWTList

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Extends [UIAObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: SWTListBehavior**Property Summary**

Property	Description	Getter	Setter
ItemCount	Number of items.	GetItemCount	SetItemCount
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	SetSelectedItems
SelectedText	Text of the selected item in a single string.	GetSelectedText	SetSelectedText
SelectionCount	Number of selected items.	GetSelectionCount	SetSelectionCount

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoClickItem	Performs click on the item
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.

Property Detail**ItemCount**

Number of items.

Accessors: GetItemCount, SetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems, SetSelectedItems

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText, SetSelectedText

SelectionCount

Number of selected items.

Accessors: GetSelectionCount, SetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClickItem(nameCaptionIndex, xOffset, yOffset, clickType)

Performs click on the item

Parameters:

Name	Type	Description
nameCaptionIndex	string number	index or name of the item to be selected.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.

Returns:

'true' if successful, 'false' otherwise.

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

SWTTree

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Extends [UIObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: SWTTreeBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Checked state of the selected node or a node specified by the input parameters.	GetChecked	SetChecked
ChildrenCount	Number of children of the selected node or a node specified by the input parameters.	GetChildrenCount	SetChildrenCount
Expanded	Expanded state of the selected node or a node specified by the input parameters.	GetExpanded	SetExpanded
NodeText	Text of the selected node or a node specified by the input parameters.	GetNodeText	SetNodeText
Selected	Selected state of the selected node or a node specified by the input parameters	GetSelected	SetSelected

Action Summary

Action	Description
DoCollapse	Clicks specific node in the tree.
DoExpand	Clicks specific node in the tree.
DoSelectItem	Selects specified item in the tree

Property Detail

Checked

Checked state of the selected node or a node specified by the input parameters.

Accessors: GetChecked, SetChecked

ChildrenCount

Number of children of the selected node or a node specified by the input parameters.

Accessors: GetChildrenCount, SetChildrenCount

Expanded

Expanded state of the selected node or a node specified by the input parameters.

Accessors: GetExpanded, SetExpanded

NodeText

Text of the selected node or a node specified by the input parameters.

Accessors: GetNodeText, SetNodeText

Selected

Selected state of the selected node or a node specified by the input parameters

Accessors: GetSelected, SetSelected

Action Detail

DoCollapse(path, separator, pathType)

Clicks specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoExpand(node)

Expands a specific node in the tree.

Parameters:

Name	Type	Description
node	string	Name of the node

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(value)

Selects specified item in the tree

Parameters:

Name	Type	Description
value	string	Item to select

Returns:

'true' if successful, 'false' otherwise.

GWTCheckBox

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GWT CheckBox. Extends [HTMLObject](#).

Behavior Pattern: GWTCheckBoxBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

GWTDatePicker

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GWT DatePicker. Extends [HTMLObject](#).

Behavior Pattern: GWTDatePickerBehavior

Property Summary

Property	Description	Getter	Setter
Month	Current month displayed by the date picker.	GetMonth	

Action Summary

Action	Description
DoNextMonth	Clicks on 'Next Month' selector.
DoPrevMonth	Clicks on 'Previous Month' selector.
DoSelectDate	Selects specific date in the date picker.

Property Detail

Month

Current month displayed by the date picker.

Accessors: GetMonth

Action Detail

DoNextMonth()

Clicks on 'Next Month' selector.

Returns:

'true' if success, 'false' otherwise

DoPrevMonth()

Clicks on 'Previous Month' selector.

Returns:

'true' if success, 'false' otherwise

DoSelectDate(dateValue)

Selects specific date in the date picker.

Parameters:

Name	Type	Description
dateValue	Date	New date to select

Returns:

'true' if success, 'false' otherwise

GWTDecoratedStackPanel

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GWT Decorated StackPanel. Extends [HTMLObject](#).

Behavior Pattern: GWTDecoratedStackPanelBehavior

Action Summary

Action	Description
DoSelect	Selects specified panel.

Action Detail

DoSelect(name)

Selects specified panel.

Parameters:

Name	Type	Description
name	string	Panel name to select.

Returns:

'true' if success, 'false' otherwise.

GWTMenuBar

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GWT MenuBar. Extends [HTMLObject](#).

Behavior Pattern: GWTMenuBarBehavior

Action Summary

Action	Description
DoMenu	Performs click on the menu item.

Action Detail

DoMenu(path, separator)

Performs click on the menu item.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.

Returns:

'true' if success, 'false' otherwise.

GWTPushButton

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GWT PushButton. Use DoClick() to push it. Extends [HTMLObject](#).

Behavior Pattern: GWTPushButtonBehavior

Property Summary

Property	Description	Getter	Setter
Disabled	Disable state of the button.	GetDisabled	

Property Detail

Disabled

Disable state of the button.
Accessors: GetDisabled

GWTRadio

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GWT Radio. Extends [HTMLObject](#).

Behavior Pattern: GWTRadioBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.
Accessors: GetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

GWTStackPanel

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GWT StackPanel. Extends [HTMLObject](#).

Behavior Pattern: GWTStackPanelBehavior

Action Summary

Action	Description
DoSelect	Selects specified panel.

Action Detail

DoSelect(name)

Selects specified panel.

Parameters:

Name	Type	Description
name	string	Panel name to select.

Returns:

'true' if success, 'false' otherwise.

GWTToggleButton

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GWT ToggleButton. Extends [HTMLObject](#).

Behavior Pattern: GWTToggleButtonBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

GWTTree

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GWT Tree. Extends [HTMLObject](#).

Behavior Pattern: GWTTreeBehavior

Property Summary

Property	Description	Getter	Setter
ChildrenCount	Children count of the current node in the tree.	GetChildrenCount	
Expanded	Expanded state of the current node.	GetExpanded	
NodeIndex	Zero based index of the current node.	GetNodeIndex	
NodeText	Text of the current node.	GetNodeText	
Selected	Selected state of the current node.	GetSelected	
SelectedNodeText	Text of the selected node.	GetSelectedNodeText	

Action Summary

Action	Description
DoClickNode	Clicks specific node in the tree.
DoCollapse	Collapses specific node in the tree.
DoExpand	Expands specific node in the tree.
DoFindChild	Finds child node by its path from the current node and remembers it as the current node.
DoFindNode	Searches for specific node in the tree and remembers it as the current node.
DoGetPath	Returns path to the current node.

Property Detail

ChildrenCount

Children count of the current node in the tree.

Accessors: GetChildrenCount

Expanded

Expanded state of the current node. Use DoFindNode to set current node. 0 - if the node is collapsed, 1 - if the node is expanded, 2 - if the node is a leaf.

Accessors: GetExpanded

NodeIndex

Zero based index of the current node. Use DoFindNode to set current node.

Accessors: GetNodeIndex

NodeText

Text of the current node. Use DoFindNode to set current node.

Accessors: GetNodeText

Selected

Selected state of the current node. Use DoFindNode to set current node. 'true' if the node is selected, 'false' otherwise.

Accessors: GetSelected

SelectedNodeText

Text of the selected node.

Accessors: GetSelectedNodeText

Action Detail

DoClickNode(path, separator, pathType)

Clicks specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;
pathType	string	Path type. Can be one of 'name', 'id' or 'index'.

Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoCollapse(path, separator, pathType)

Collapses specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoExpand(path, separator, pathType)

Expands specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoFindChild(path, separator, pathType, expand)

Finds child node by its path from the current node and remembers it as the current node. If current node is not set then Root node is used.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.
expand	boolean	is set to true, then found node is expanded

Returns:

HTMLObject of the found node

DoFindNode(path, separator, pathType, expand)

Searches for specific node in the tree and remembers it as the current node.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.
expand	boolean	is set to true, then found node is expanded

Returns:

HTMLObject of the found node

DoGetPath(pathType, separator)

Returns path to the current node.

Parameters:

Name	Type	Description
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.
separator	string	Separator Optional, Default: ;.

Returns:

Path to the current node

TelerikDropDownPopupForm

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Telerik DropDownPopupForm. Extends [ManagedButton](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: TelerikComboPopupBehavior

TelerikRadApplicationMenu

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Telerik RadApplicationMenu. Extends [ManagedObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: TelerikDropDownButtonBehavior

Action Summary

Action	Description
DoMenu	Performs click on the menu item.

Action Detail

DoMenu(path, separator)

Performs click on the menu item.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.

Returns:

'true' if success, 'false' otherwise.

TelerikRadApplicationMenuDropDown

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Telerik RadApplicationMenuDropDown. Extends [ManagedMenuPopuItem](#). Extends [SeSSimulatedObject](#).

TelerikRadButton

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Telerik RadButton. Extends [ManagedObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: ManagedObjectButtonBehavior

TelerikRadCheckBox

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Telerik RadCheckBox. Extends [ManagedCheckBox](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: ManagedObjectCheckableBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

Telerik RadDateTimePicker. Extends [ManagedObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: TelerikDateTimePickerBehavior

Property Summary

Property	Description	Getter	Setter
Month	Current month displayed by the date picker.	GetMonth	

Action Summary

Action	Description
DoNextMonth	Clicks on 'Next Month' selector.
DoPrevMonth	Clicks on 'Previous Month' selector.
DoSelectDate	Selects specific date in the date picker.

Property Detail

Month

Current month displayed by the date picker.

Accessors: GetMonth

Action Detail

DoNextMonth()

Clicks on 'Next Month' selector.

Returns:

'true' if success, 'false' otherwise

DoPrevMonth()

Clicks on 'Previous Month' selector.

Returns:

'true' if success, 'false' otherwise

DoSelectDate(day, month, year)

Selects specific date in the date picker.

Parameters:

Name	Type	Description
day	number	Day to set
month	number	Month to set
year	number	Year to set

Returns:

'true' if success, 'false' otherwise

Telerik RadDropDownButton. Extends [ManagedButton](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: TelerikDropDownButtonBehavior

Action Summary

Action	Description
DoMenu	Performs click on the menu item.

Action Detail

DoMenu(path, separator)

Performs click on the menu item.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.

Returns:

'true' if success, 'false' otherwise.

TelerikRadDropDownButtonPopup

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Telerik RadDropDownButtonPopup. Extends [ManagedMenuPopupItem](#). Extends [SeSSimulatedObject](#).

TelerikRadDropDownList

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Telerik RadDropDownList. Extends [ManagedComboBox](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: ManagedObjectSelectableBehavior

Property Summary

Property	Description	Getter	Setter
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedText	Text of the selected item in a single string.	GetSelectedText	SetSelectedText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.

Property Detail

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText, SetSelectedText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: TelerikSelectableBehavior

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

TelerikRadDropDownMenu

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Telerik RadDropDownMenu. Extends [ManagedMenuPopuItem](#). Extends [SeSSimulatedObject](#).

Telerik RadGridView. Extends [ManagedDataGridView](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: TelerikGridViewBehavior

Property Summary

Property	Description	Getter	Setter
Cell	Text of the specified cell.	GetCell	
ColumnCount	Number of columns in the table.	GetColumnCount	
ColumnName	Caption of a column.	GetColumnName	
RowCount	Number of rows in the table.	GetRowCount	
SelectedCell	Selected Cell	GetSelectedCell	
Text	Text of the currently focused cell.	GetText	

Action Summary

Action	Description
DoClickCell	Clicks the specified cell

Property Detail

Cell

Text of the specified cell.

Accessors: GetCell

ColumnCount

Number of columns in the table.

Accessors: GetColumnCount

ColumnName

Caption of a column.

Accessors: GetColumnName

RowCount

Number of rows in the table.

Accessors: GetRowCount

SelectedCell

Selected Cell

Accessors: GetSelectedCell

Text

Text of the currently focused cell.

Accessors: GetText

Action Detail

DoClickCell(row, col)

Clicks the specified cell

Parameters:

Name	Type	Description
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row	number	Zero-based index if the row.
col	number	Zero-based index of the column.

Returns:

'true' if successful, 'false' otherwise

TelerikRadLabel

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Telerik RadLabel. Extends [ManagedObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: TelerikLabelBehavior

TelerikRadListControl

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Telerik RadListControl. Extends [ManagedObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: ManagedObjectListBoxSelectableBehavior

Property Summary

Property	Description	Getter	Setter
ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectedText	Text of the selected item in a single string.	GetSelectedText	
SelectionCount	Number of selected items.	GetSelectionCount	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoClearSelection	Clears selection.
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.

Property Detail

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()

Clears selection.

Returns:

'true' if success, 'false' otherwise.

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names.

		5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: TelerikListControlBehavior

Property Summary

Property	Description	Getter	Setter
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedText	Text of the selected item in a single string.	GetSelectedText	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoRemoveSelection	Removes selection from specified items.

Property Detail

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

TelerikRadMaskedTextBox

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Telerik RadMaskedTextBox. Extends [ManagedTextBox](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

TelerikRadMenu

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Telerik RadMenu. Extends [ManagedObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: TelerikDropDownButtonBehavior

Action Summary

Action	Description
DoMenu	Performs click on the menu item.

Action Detail

DoMenu(path, separator)

Performs click on the menu item.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
separator	string	Separator Optional, Default: ;.

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: TelerikMenuBehavior

Action Summary

Action	Description
DoClickItem	Perform Click on the navigation item

Action Detail

DoClickItem(menuitemName)

Perform Click on the navigation item

Parameters:

Name	Type	Description
menuitemName	string	MenuItem name to click at.

Returns:

'true' if success, 'false' otherwise.

TelerikRadProgressBar

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Telerik RadProgressBar. Extends [ManagedObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: TelerikProgressBarBehavior

Property Summary

Property	Description	Getter	Setter
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue
Value	Value of the object.	GetValue	SetValue
Value1	Gets or sets the value of the first progress line.	GetValue1	SetValue1
Value2	Gets or sets the value of the second progress line.	GetValue2	SetValue2

Property Detail

MaxValue

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

Value

Value of the object.

Accessors: GetValue, SetValue

Value1

Gets or sets the value of the first progress line. There could be two progress lines in the progress bar.

Accessors: GetValue1, SetValue1

Value2

Gets or sets the value of the second progress line. There could be two progress lines in the progress bar. The second one is visualized by making the fill primitive semi-transparent.

Accessors: GetValue2, SetValue2

TelerikRadRadioButton

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Telerik RadRadioButton. Extends [ManagedRadioButton](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: ManagedObjectCheckableBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: TelerikToggleBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Telerik RadRibbonBar. Extends [ManagedObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: TelerikRadRibbonBarBehavior

Action Summary

Action	Description
DoClickApplicationButton	Clicks specified application button of the ribbon
DoClickItem	Clicks specified element of the ribbon
DoClickTab	Clicks specified tab of the ribbon

Action Detail

DoClickApplicationButton(caption)

Clicks specified application button of the ribbon

Parameters:

Name	Type	Description
caption	string	Caption to click at.

Returns:

'true' if success, 'false' otherwise.

DoClickItem(caption, xOffset, yOffset)

Clicks specified element of the ribbon

Parameters:

Name	Type	Description
caption	string	Caption to click at.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClickTab(caption)

Clicks specified tab of the ribbon

Parameters:

Name	Type	Description
caption	string	Caption to click at.

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: TelerikSpinEditBehavior

Property Summary

Property	Description	Getter	Setter
Increment	Number value that means how much is added or removed when user clicks up or down.	GetIncrement	SetIncrement
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue
Text	Text of the object, 'false' if text can not be read.	GetText	SetText
Value	Value of the object.	GetValue	SetValue

Action Summary

Action	Description
DoDown	Decrements the value of an object
DoSetText	Sets text value of this object.
DoUp	Increments the Value of an object.

Property Detail

Increment

Number value that means how much is added or removed when user clicks up or down.

Accessors: GetIncrement, SetIncrement

MaxValue

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Value

Value of the object.

Accessors: GetValue, SetValue

Action Detail

DoDown()

Decrements the value of an object

Returns:

'true' if success, 'false' otherwise.

DoSetText(val)

Sets text value of this object.

Parameters:

--	--

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DoUp()

Increments the Value of an object.

Returns:

'true' if success, 'false' otherwise.

TelerikRadTextBox

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Telerik RadTextBox. Extends [ManagedTextBox](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

TelerikRadTitleBar

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Telerik RadTitleBar. Extends [ManagedObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: TelerikLabelBehavior

TelerikRadToggleButton

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Telerik RadToggleButton. Extends [ManagedCheckBox](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: ManagedObjectCheckableBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: TelerikToggleBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

TelerikRadTrackBar

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Telerik RadTrackBar (slider). Extends [ManagedObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: TelerikTrackBarBehavior

Property Summary

Property	Description	Getter	Setter
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue
Position	Gets or sets the position of the track bar.	GetPosition	SetPosition

Property Detail

MaxValue

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

Position

Gets or sets the position of the track bar.

Accessors: GetPosition, SetPosition

TelerikRadTreeView

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Telerik RadTreeView. Extends [ManagedObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: TelerikRadTreeViewBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Checked state of the selected node or a node specified by the input parameters.	GetChecked	
ChildrenCount	Number of children of the selected node or a node specified by the input parameters.	GetChildrenCount	
Expanded	Expanded state of the selected node or a node specified by the input parameters.	GetExpanded	
IndexPath	Index path of the specified or selected tree node i.e.	GetIndexPath	
NodeText	Text of the selected node or a node specified by the input parameters.	GetNodeText	
Selected	Selected state of the selected node or a node specified by the input parameters	GetSelected	
State	Selected state of the selected node or a node specified by the input parameters.	GetState	
Text	;-combined text of all selected nodes.	GetText	

Action Summary

Action	Description
DoClickNode	Clicks specific node in the tree.
DoCollapse	Collapses specific node in the tree.
DoExpand	Expands specific node in the tree.
DoSetCheck	Checks or unchecks specified element.

Property Detail

Checked

Checked state of the selected node or a node specified by the input parameters.

Accessors: GetChecked

ChildrenCount

Number of children of the selected node or a node specified by the input parameters.

Accessors: GetChildrenCount

Expanded

Expanded state of the selected node or a node specified by the input parameters.

Accessors: GetExpanded

IndexPath

Index path of the specified or selected tree node i.e. string in form '0;5;2;1;6', 'false' if fails

Accessors: GetIndexPath

NodeText

Text of the selected node or a node specified by the input parameters.

Accessors: GetNodeText

Selected

Selected state of the selected node or a node specified by the input parameters

Accessors: GetSelected

State

Selected state of the selected node or a node specified by the input parameters.

Accessors: GetState

Text

;-combined text of all selected nodes.

Accessors: GetText

Action Detail

DoClickNode(path, separator, pathType, xOffset, yOffset)

Clicks specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center. Optional.

Returns:

'true' if success, 'false' otherwise.

DoCollapse(path, separator, pathType)

Collapses specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoExpand(path, separator, pathType)

Expands specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoSetCheck(bcheck, path, separator, pathType)

Checks or unchecks specified element.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state.
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise

SeSSimulatedObject

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This is a rule for simulated objects.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	

Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
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Name	Type	Description
keys	string	A sequence of keystrokes.

Win32Button

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This is generic Win32 button. Use DoAction to press it. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32Pressable

Action Summary

Action	Description
DoAction	Presses the button.

Action Detail

DoAction()

Presses the button.

Win32CheckButton

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This is generic Win32 check box. Use DoAction to toggle its state. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32CheckBox

Win32ComboBox

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This is generic Win32 combo box. Use DoSelectItem to select a particular item. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32ItemSelectable

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

This is generic Win32 editable combo box. Use DoSelectItem to select a particular item and DoSetText to set a custom value. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32TextEditable

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: Win32ItemSelectable

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

Behavior Pattern: Win32ItemCombo

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string	This is a name of item to select.

Returns:

'true' if operation is successful, 'false' otherwise

Win32ContextMenu

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This is generic Win32 context menu. Use DoClickItem to click a particular item from the menu Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32ItemClickable

Action Summary

Action	Description
DoClickItem	Performs click on an item of this object.

Action Detail

DoClickItem(itemName)

Performs click on an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to click

Returns:

'true' if operation was successful, 'false' otherwise

Win32Link

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This is a generic Win32 link. Use DoAction to activate the link. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32Simulated

This is generic Win32 list. Use DoSelectItem to select a particular item. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32ItemSelectable

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

Behavior Pattern: Win32ItemExpandable

Action Summary

Action	Description
DoExpand	Expands an item of this object.

Action Detail

DoExpand(itemName)

Expands an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to expand

Returns:

'true' if operation was successful, 'false' otherwise

Win32ListCheckable

This is generic Win32 list with a check box near each item. Use DoSelectItem to select a particular item and DoCheckItem to change corresponding check box state. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32ItemSelectable

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

Behavior Pattern: Win32ItemCheckable

Action Summary

Action	Description
DoCheckItem	Checks an item of this object.

Action Detail

DoCheckItem(itemName)

Checks an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to check

Win32MenuBar

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This is generic Win32 menu bar (e.g. main menu of the application). Use DoClickItem to click a particular item from the menu and DoMenu to choose a menu item at the specified path. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32ItemClickable

Action Summary

Action	Description
DoClickItem	Performs click on an item of this object.

Action Detail

DoClickItem(itemName)

Performs click on an item of this object.

Parameters:

Name	Type	Description
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Name	Type	Description
itemName	string	Name of the item to click

Returns:

'true' if operation was successful, 'false' otherwise

Behavior Pattern: Win32Menu

Action Summary

Action	Description
DoMenu	Performs click on the menu item.

Action Detail

DoMenu(path, sep)

Performs click on the menu item.

Parameters:

Name	Type	Description
path	string	Path of the menu item to select.
sep	string	Separator Optional, Default: ;.

Returns:

'true' if success, 'false' otherwise.

Win32Outline

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This is generic Win32 tree. Use DoSelectItem to select and DoExpand to expand/collapse a particular node. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32ItemSelectable

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

Behavior Pattern: Win32ItemExpandable

Action Summary

Action	Description
DoExpand	Expands an item of this object.

Action Detail

DoExpand(itemName)

Expands an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to expand

Returns:

'true' if operation was successful, 'false' otherwise

Win32PopupMenu

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This is generic Win32 popup menu. Use DoClickItem to click a particular item from the menu. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32ItemClickable

Action Summary

Action	Description
DoClickItem	Performs click on an item of this object.

Action Detail

DoClickItem(itemName)

Performs click on an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to click

Returns:

'true' if operation was successful, 'false' otherwise

Win32RadioButton

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This is generic Win32 radio button. Use DoAction to select the button. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32Radio

Win32StaticText

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This is generic Win32 label. Use WindowText property to read/write label text. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32Simulated

Win32Text

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This is generic Win32 edit box. Use DoSetText to set the value of the edit box and GetText to read current value. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32TextEditable

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

Win32TreeCheckable

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This is generic Win32 tree with a check box near each item. Use DoSelectItem to select and DoExpand to expand/collapse a particular item. Use DoCheckItem to change corresponding check box state. Extends [SeSSimulatedObject](#).

Behavior Pattern: Win32ItemSelectable

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

Behavior Pattern: Win32ItemCheckable

Action Summary

Action	Description
DoCheckItem	Checks an item of this object.

Action Detail

DoCheckItem(itemName)

Checks an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to check

Behavior Pattern: Win32ItemExpandable

Action Summary

Action	Description
DoExpand	Expands an item of this object.

Action Detail

DoExpand(itemName)

Expands an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to expand

Returns:

'true' if operation was successful, 'false' otherwise

This object contains actions and properties for DOM elements of Web page.

Behavior Pattern: HTMLFirefoxBehavior

Property Summary

Property	Description	Getter	Setter
Alt	Alt of the element.	GetAlt	
Checked	'Checked' state of the element.	GetChecked	
Class	Class of the element.	GetClass	
ClientX	X-coordinate of the top left corner of the element relative to browser window.	GetClientX	
ClientY	Y-coordinate of the top left corner of the element relative to browser window.	GetClientY	
Enabled	'Enabled' state of the element.	GetEnabled	SetEnabled
Height	Height of the element.	GetHeight	
Href	HREF of the element.	GetHref	
Id	ID of the element.	GetId	
InnerText	Inner text of the element.	GetInnerText	
Label	Label of the element.	GetLabel	
Name	Name of the element.	GetName	
NodeText	Text of the element without children.	GetNodeText	
PageTitle	Title of the HTML document.	GetPageTitle	
PageURL	Location URL of the HTML document.	GetPageURL	
Style	Style of the element.	GetStyle	
Tag	Tag of the element.	GetTag	
Title	Title of the element.	GetTitle	
Value	Value of the element.	GetValue	
Width	Width of the element.	GetWidth	
X	X-coordinate of the top left corner of the element.	GetX	
XPath	XPath of the element.	GetXPath	
Y	Y-coordinate of the top left corner of the element.	GetY	

Action Summary

Action	Description
DoAddSelection	Adds selection of specified option in multi-select element.
DoClick	Clicks on HTML element (button, link).
DoDbClick	Double-Clicks on HTML element (button, link).
DoDOMChildAt	Returns n-th child (zero-based).
DoDOMChildrenCount	Returns number of children elements for this one.
DoDOMConvert	Creates a clone of this object converted to a requested type.
DoDOMFindParentWithAttribute	Returns parent element (if any) with given attribute matching given string or 'regex:..
DoDOMGetAttribute	Returns specified attribute.
DoDOMGetAttributes	Returns all attributes of a node.
DoDOMNextSibling	Returns next sibling element for this one.
DoDOMParent	Returns parent element having this element.
DoDOMPrevSibling	Return previous sibling element for this one.
DoDOMQueryXPath	Gets array of elements matching XPath query on this object.
DoDOMRoot	Returns Root element having this element.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoGetRect	Finds screen rectangle for this object.

DoRemoveSelection	Unselect of specified option in multi-select element.
DoSelect	Selects specified element in <select> control.
DoSetCheck	Sets specified state of check box.
DoSetText	Sets text for input edit or textarea.

Property Detail

Alt

Alt of the element.

Accessors: GetAlt

Checked

'Checked' state of the element.

Accessors: GetChecked

Class

Class of the element.

Accessors: GetClass

ClientX

X-coordinate of the top left corner of the element relative to browser window.

Accessors: GetClientX

ClientY

Y-coordinate of the top left corner of the element relative to browser window.

Accessors: GetClientY

Enabled

'Enabled' state of the element.

Accessors: GetEnabled, SetEnabled

Height

Height of the element.

Accessors: GetHeight

Href

HREF of the element.

Accessors: GetHref

Id

ID of the element.

Accessors: GetId

InnerText

Inner text of the element.

Accessors: GetInnerText

Label

Label of the element.

Accessors: GetLabel

Name

Name of the element.

Accessors: GetName

NodeText

Text of the element without children.

Accessors: GetNodeText

PageTitle

Title of the HTML document.

Accessors: GetPageTitle

PageURL

Location URL of the HTML document.

Accessors: GetPageURL

Style

Style of the element.

Accessors: GetStyle

Tag

Tag of the element.

Accessors: GetTag

Title

Title of the element.

Accessors: GetTitle

Value

Value of the element.

Accessors: GetValue

Width

Width of the element.

Accessors: GetWidth

X

X-coordinate of the top left corner of the element.

Accessors: GetX

XPath

XPath of the element.

Accessors: GetXPath

Y

Y-coordinate of the top left corner of the element.

Accessors: GetY

Action Detail

DoAddSelection(optionText)

Adds selection of specified option in multi-select element.

Parameters:

Name	Type	Description
optionText	string	Element to select

Returns:

'true' if successful, 'false' otherwise'

DoClick(x, y, forceEvent)

Clicks on HTML element (button, link).

Parameters:

Name	Type	Description
x	number	X coordinate to click.
y	number	Y coordinate to click.

forceEvent	boolean	Pass 'true' to force browser event without actual mouse click Optional, Default: false.
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Returns:

'true' if successful, 'false' otherwise'

DoDbIClick()

Double-Clicks on HTML element (button, link).

Returns:

'true' if successful, 'false' otherwise'

DoDOMChildAt(n)

Returns n-th child (zero-based).

Parameters:

Name	Type	Description
n	number	n Index of the child element.

Returns:

n-th child.

DoDOMChildrenCount()

Returns number of children elements for this one.

Returns:

Number of children elements.

DoDOMConvert(type)

Creates a clone of this object converted to a requested type.

Parameters:

Name	Type	Description
type	string	Type of an object.

Returns:

New Object of requested type or HTMLObject if type not found, null if error occur.

DoDOMFindParentWithAttribute(attrName, match)

Returns parent element (if any) with given attribute matching given string or 'regex:...' expression.

Parameters:

Name	Type	Description
attrName	string	Name of an attribute.
match	string	Match string.

Returns:

Matched element or 'null'.

DoDOMGetAttribute(attrName)

Returns specified attribute.

Parameters:

Name	Type	Description
attrName	string	Name of an attribute.

Returns:

Attribute value.

DoDOMGetAttributes()

Returns all attributes of a node.

Returns:

Array of attributes.

DoDOMNextSibling()

Returns next sibling element for this one.

Returns:

Next sibling element.

DoDOMParent()

Returns parent element having this element.

Returns:

Parent element.

DoDOMPrevSibling()

Return previous sibling element for this one.

Returns:

Previous sibling element.

DoDOMQueryXPath(xpath)

Gets array of elements matching XPath query on this object.

Parameters:

Name	Type	Description
xpath	string	Xpath query.

Returns:

Array of matched elements.

DoDOMRoot()

Returns Root element having this element.

Returns:

Root element having this element.

DoEnsureVisible()

Makes sure specified element is visible on the screen.

Returns:

Rectangle of the element if it became visible, 'null' otherwise.

DoGetRect()

Finds screen rectangle for this object.

Returns:

Object {x, y, w, h}

DoRemoveSelection(optionText)

Unselect of specified option in multi-select element.

Parameters:

Name	Type	Description
optionText	string	Element to remove selection

Returns:

'true' if successful, 'false' otherwise'

DoSelect(txt)

Selects specified element in <select> control.

Parameters:

Name	Type	Description
txt	string	Element to select

Returns:

'true' if successful, 'false' otherwise'

DoSetCheck(bcheck)

Sets specified state of check box.

Parameters:

Name	Type	Description
bcheck	boolean	State to set

Returns:

'true' if successful, 'false' otherwise'

DoSetText(txt)

Sets text for input edit or textarea.

Parameters:

Name	Type	Description
txt	string	Text to set

Returns:

'true' if successful, 'false' otherwise'

Behavior Pattern: HTMLFirefoxFlashBehavior

Standard .NET menu bar.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
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Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

DotNetBarButton

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Standard .NET toolbar button. Use DoAction to press it.

Behavior Pattern: Win32Pressable

Action Summary

Action	Description
DoAction	Presses the button.

Action Detail

DoAction()

Presses the button.

FlexAccordion

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FlexAccordion

Behavior Pattern: FlexAccordionBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	

CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
HeaderHeight		GetHeaderHeight	
Height		GetHeight	
HorizontalGap		GetHorizontalGap	
Id		GetId	
Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PaddingBottom		GetPaddingBottom	
PaddingTop		GetPaddingTop	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SelectedChild		GetSelectedChild	
SelectedIndex		GetSelectedIndex	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextSelectedColor		GetTextSelectedColor	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
VerticalGap		GetVerticalGap	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChange	
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	

DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

HeaderHeight

Accessors: GetHeaderHeight

Height

Accessors: GetHeight

HorizontalGap

Accessors: GetHorizontalGap

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PaddingBottom

Accessors: GetPaddingBottom

PaddingTop

Accessors: GetPaddingTop

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedChild

Accessors: GetSelectedChild

SelectedIndex

Accessors: GetSelectedIndex

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextSelectedColor

Accessors: GetTextSelectedColor

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

VerticalGap

Accessors: GetVerticalGap

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChange(relatedObject)

Parameters:

Name	Type	Description
relatedObject	String	Optional, Default: mouse.

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl

		2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
--	--	--

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown

		10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.
--	--	---

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.

DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexAlert

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FlexAlert

Behavior Pattern: FlexAlertBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	

<u>CancelLabel</u>		GetCancelLabel	
<u>ClassName</u>		GetClassName	
<u>CreationIndex</u>		GetCreationIndex	
<u>CreationPolicy</u>		GetCreationPolicy	
<u>CurrentState</u>		GetCurrentState	
<u>DefaultButtonFlag</u>		GetDefaultButtonFlag	
<u>DropShadowEnabled</u>		GetDropShadowEnabled	
<u>Enabled</u>		GetEnabled	
<u>ErrorColor</u>		GetErrorColor	
<u>ErrorString</u>		GetErrorString	
<u>FillAlphas</u>		GetFillAlphas	
<u>FillColors</u>		GetFillColors	
<u>FlexX</u>		GetFlexX	
<u>FlexY</u>		GetFlexY	
<u>FocusEnabled</u>		GetFocusEnabled	
<u>FontFamily</u>		GetFontFamily	
<u>FontSize</u>		GetFontSize	
<u>FontStyle</u>		GetFontStyle	
<u>FontWeight</u>		GetFontWeight	
<u>FooterColors</u>		GetFooterColors	
<u>HeaderColors</u>		GetHeaderColors	
<u>HeaderHeight</u>		GetHeaderHeight	
<u>Height</u>		GetHeight	
<u>Id</u>		GetId	
<u>Label</u>		GetLabel	
<u>MouseEnabled</u>		GetMouseEnabled	
<u>NoLabel</u>		GetNoLabel	
<u>NumAutomationChildren</u>		GetNumAutomationChildren	
<u>NumChildren</u>		GetNumChildren	
<u>OkLabel</u>		GetOkLabel	
<u>PercentHeight</u>		GetPercentHeight	
<u>PercentWidth</u>		GetPercentWidth	
<u>ScaleX</u>		GetScaleX	
<u>ScaleY</u>		GetScaleY	
<u>Status</u>		GetStatus	
<u>TabChildren</u>		GetTabChildren	
<u>TabEnabled</u>		GetTabEnabled	
<u>TabIndex</u>		GetTabIndex	
<u>Text</u>		GetText	
<u>ThemeColor</u>		GetThemeColor	
<u>Title</u>		GetTitle	
<u>ToolTip</u>		GetToolTip	
<u>UseHandCursor</u>		GetUseHandCursor	
<u>Visible</u>		GetVisible	
<u>Width</u>		GetWidth	
<u>X</u>		GetX	
<u>Y</u>		GetY	
<u>YesLabel</u>		GetYesLabel	

Action Summary



Action	Description
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

CancelLabel

Accessors: GetCancelLabel

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

DefaultButtonFlag

Accessors: GetDefaultButtonFlag

DropShadowEnabled

Accessors: GetDropShadowEnabled

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

FooterColors

Accessors: GetFooterColors

HeaderColors

Accessors: GetHeaderColors

HeaderHeight

Accessors: GetHeaderHeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NoLabel

Accessors: GetNoLabel

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

OkLabel

Accessors: GetOkLabel

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Status

Accessors: GetStatus

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

Text

Accessors: GetText

ThemeColor

Accessors: GetThemeColor

Title

Accessors: GetTitle

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

YesLabel

Accessors: GetYesLabel

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt

		Optional, Default: 0.
--	--	-----------------------

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues

		1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexApplication

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FlexApplication

Behavior Pattern: FlexApplicationBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
Direction		GetDirection	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HorizontalAlign		GetHorizontalAlign	
Id		GetId	
Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
Url		GetUrl	
UseHandCursor		GetUseHandCursor	
VerticalAlign		GetVerticalAlign	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Direction

Accessors: GetDirection

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HorizontalAlign

Accessors: GetHorizontalAlign

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

Url

Accessors: GetUrl

UseHandCursor

Accessors: GetUseHandCursor

VerticalAlign

Accessors: GetVerticalAlign

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
------	------	-------------

localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ul style="list-style-type: none"> 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	<p>FlexScrollDirectionValues</p> <ul style="list-style-type: none"> 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	<p>FlexScrollDetailValues</p> <ul style="list-style-type: none"> 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack <p>Optional, Default: null.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	

Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexAreaChart

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FlexAreaChart

Behavior Pattern: FlexAreaChartBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
ClipContent		GetClipContent	
CurrentState		GetCurrentState	
DataTipLayerIndex		GetDataTipLayerIndex	
DataTipMode		GetDataTipMode	
Description		GetDescription	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
GutterBottom		GetGutterBottom	
GutterLeft		GetGutterLeft	
GutterRight		GetGutterRight	
GutterTop		GetGutterTop	
Height		GetHeight	
HorizontalAxisRatio		GetHorizontalAxisRatio	
Id		GetId	
MaximumDataTipCount		GetMaximumDataTipCount	
MouseEnabled		GetMouseEnabled	
MouseSensitivity		GetMouseSensitivity	
NumAutomationChildren		GetNumAutomationChildren	
PaddingBottom		GetPaddingBottom	
PaddingLeft		GetPaddingLeft	
PaddingRight		GetPaddingRight	
PaddingTop		GetPaddingTop	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
ShowDataTips		GetShowDataTips	

ShowDataTipTargets		GetShowDataTipTargets	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
Type		GetType	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

ClipContent

Accessors: GetClipContent

CurrentState

Accessors: GetCurrentState

DataTipLayerIndex

Accessors: GetDataTipLayerIndex

DataTipMode

Accessors: GetDataTipMode

Description

Accessors: GetDescription

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

GutterBottom

Accessors: GetGutterBottom

GutterLeft

Accessors: GetGutterLeft

GutterRight

Accessors: GetGutterRight

GutterTop

Accessors: GetGutterTop

Height

Accessors: GetHeight

HorizontalAxisRatio

Accessors: GetHorizontalAxisRatio

Id

Accessors: GetId

MaximumDataTipCount

Accessors: GetMaximumDataTipCount

MouseEnabled

Accessors: GetMouseEnabled

MouseSensitivity

Accessors: GetMouseSensitivity

NumAutomationChildren

Accessors: GetNumAutomationChildren

PaddingBottom

Accessors: GetPaddingBottom

PaddingLeft

Accessors: GetPaddingLeft

PaddingRight

Accessors: GetPaddingRight

PaddingTop

Accessors: GetPaddingTop

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

ShowDataTips

Accessors: GetShowDataTips

ShowDataTipTargets

Accessors: GetShowDataTipTargets

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

Type

Accessors: GetType

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.

DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

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Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexAreaSeries

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FlexAreaSeries

Behavior Pattern: FlexAreaSeriesBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	

AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Form		GetForm	
Height		GetHeight	
Id		GetId	
MinField		GetMinField	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
Radius		GetRadius	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
XField		GetXField	
Y		GetY	
YField		GetYField	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDoubleClick	
DoItemRollOver	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Form

Accessors: GetForm

Height

Accessors: GetHeight

Id

Accessors: GetId

MinField

Accessors: GetMinField

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

Radius

Accessors: GetRadius

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

XField

Accessors: GetXField

Y

Accessors: GetY

YField

Accessors: GetYField

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDoubleClick(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoItemRollOver(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border

y	number	Y-coordinate of location relative to object's top border
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Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexAxisRenderrer

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FlexAxisRenderrer

Behavior Pattern: FlexAxisRenderrerBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
CanDropLabels		GetCanDropLabels	
CanStagger		GetCanStagger	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
HeightLimit		GetHeightLimit	
Id		GetId	
LabelGap		GetLabelGap	

LabelRotation		GetLabelRotation	
Length		GetLength	
MinorTickLength		GetMinorTickLength	
MinorTickPlacement		GetMinorTickPlacement	
MinorTicks		GetMinorTicks	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
Placement		GetPlacement	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
ShowLabels		GetShowLabels	
ShowLine		GetShowLine	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
TickLength		GetTickLength	
TickPlacement		GetTickPlacement	
Ticks		GetTicks	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

CanDropLabels

Accessors: GetCanDropLabels

CanStagger

Accessors: GetCanStagger

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

HeightLimit

Accessors: GetHeightLimit

Id

Accessors: GetId

LabelGap

Accessors: GetLabelGap

LabelRotation

Accessors: GetLabelRotation

Length

Accessors: GetLength

MinorTickLength

Accessors: GetMinorTickLength

MinorTickPlacement

Accessors: GetMinorTickPlacement

MinorTicks

Accessors: GetMinorTicks

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

Placement

Accessors: GetPlacement

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

ShowLabels

Accessors: GetShowLabels

ShowLine

Accessors: GetShowLine

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

TickLength

Accessors: GetTickLength

TickPlacement

Accessors: GetTickPlacement

Ticks

Accessors: GetTicks

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt

		3 flexControlShift
		5 flexControlAlt
		6 flexShiftAlt
		7 flexControlShiftAlt
		Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.

DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexBarChart

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FlexBarChart

Behavior Pattern: FlexBarChartBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BarWidthRatio		GetBarWidthRatio	
ClassName		GetClassName	
ClipContent		GetClipContent	

CurrentState		GetCurrentState	
DataTipLayerIndex		GetDataTipLayerIndex	
DataTipMode		GetDataTipMode	
Description		GetDescription	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
GutterBottom		GetGutterBottom	
GutterLeft		GetGutterLeft	
GutterRight		GetGutterRight	
GutterTop		GetGutterTop	
Height		GetHeight	
HorizontalAxisRatio		GetHorizontalAxisRatio	
Id		GetId	
MaxBarWidth		GetMaxBarWidth	
MaximumDataTipCount		GetMaximumDataTipCount	
MouseEnabled		GetMouseEnabled	
MouseSensitivity		GetMouseSensitivity	
NumAutomationChildren		GetNumAutomationChildren	
PaddingBottom		GetPaddingBottom	
PaddingLeft		GetPaddingLeft	
PaddingRight		GetPaddingRight	
PaddingTop		GetPaddingTop	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
ShowDataTips		GetShowDataTips	
ShowDataTipTargets		GetShowDataTipTargets	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BarWidthRatio

Accessors: GetBarWidthRatio

ClassName

Accessors: GetClassName

ClipContent

Accessors: GetClipContent

CurrentState

Accessors: GetCurrentState

DataTipLayerIndex

Accessors: GetDataTipLayerIndex

DataTipMode

Accessors: GetDataTipMode

Description

Accessors: GetDescription

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

GutterBottom

Accessors: GetGutterBottom

GutterLeft

Accessors: GetGutterLeft

GutterRight

Accessors: GetGutterRight

GutterTop

Accessors: GetGutterTop

Height

Accessors: GetHeight

HorizontalAxisRatio

Accessors: GetHorizontalAxisRatio

Id

Accessors: GetId

MaxBarWidth

Accessors: GetMaxBarWidth

MaximumDataTipCount

Accessors: GetMaximumDataTipCount

MouseEnabled

Accessors: GetMouseEnabled

MouseSensitivity

Accessors: GetMouseSensitivity

NumAutomationChildren

Accessors: GetNumAutomationChildren

PaddingBottom

Accessors: GetPaddingBottom

PaddingLeft

Accessors: GetPaddingLeft

PaddingRight

Accessors: GetPaddingRight

PaddingTop

Accessors: GetPaddingTop

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

ShowDataTips

Accessors: GetShowDataTips

ShowDataTipTargets

Accessors: GetShowDataTipTargets

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.

DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click. Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
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x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("{F}") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexBarSeries

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FlexBarSeries

Behavior Pattern: FlexBarSeriesBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BarWidthRatio		GetBarWidthRatio	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
MaxBarWidth		GetMaxBarWidth	
MinField		GetMinField	

MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
Offset		GetOffset	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
XField		GetXField	
Y		GetY	
YField		GetYField	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDoubleClick	
DoItemRollOver	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BarWidthRatio

Accessors: GetBarWidthRatio

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

MaxBarWidth

Accessors: GetMaxBarWidth

MinField

Accessors: GetMinField

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

Offset

Accessors: GetOffset

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

XField

Accessors: GetXField

Y

Accessors: GetY

YField

Accessors: GetYField

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDoubleClick(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoItemRollOver(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt

Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border

y	number	Y-coordinate of location relative to object's top border
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Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexBox

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FlexBox

Behavior Pattern: FlexBoxBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
Direction		GetDirection	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HorizontalAlign		GetHorizontalAlign	
Id		GetId	

Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
VerticalAlign		GetVerticalAlign	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Direction

Accessors: GetDirection

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HorizontalAlign

Accessors: GetHorizontalAlign

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

VerticalAlign

Accessors: GetVerticalAlign

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	

keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
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DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft

	7	flexLineRight
	8	flexLineUp
	9	flexPageDown
	10	flexPageLeft
	11	flexPageRight
	12	flexPageUp
	13	flexThumbPosition
	14	flexThumbTrack
	Optional, Default: null.	

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.

top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.
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DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexBubbleSeries

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FlexBubbleSeries

Behavior Pattern: FlexBubbleSeriesBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
MaxRadius		GetMaxRadius	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
RadiusField		GetRadiusField	
ScaleX		GetScaleX	
ScaleY		GetScaleY	

TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
XField		GetXField	
Y		GetY	
YField		GetYField	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDoubleClick	
DoItemRollOver	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

MaxRadius

Accessors: GetMaxRadius

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

RadiusField

Accessors: GetRadiusField

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

XField

Accessors: GetXField

Y

Accessors: GetY

YField

Accessors: GetYField

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	

		FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
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DoDoubleClick(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoItemRollOver(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	

ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexButton

Behavior Pattern: FlexButtonBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
Color		GetColor	
CurrentState		GetCurrentState	
DisabledColor		GetDisabledColor	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusAlpha		GetFocusAlpha	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
Id		GetId	
Label		GetLabel	
LabelPlacement		GetLabelPlacement	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
Selected		GetSelected	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
TextDecoration		GetTextDecoration	
TextIndent		GetTextIndent	
TextRollOverColor		GetTextRollOverColor	
TextSelectedColor		GetTextSelectedColor	
ThemeColor		GetThemeColor	

Toggle		GetToggle	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusAlpha

Accessors: GetFocusAlpha

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Label

Accessors: GetLabel

LabelPlacement

Accessors: GetLabelPlacement

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Selected

Accessors: GetSelected

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

TextRollOverColor

Accessors: GetTextRollOverColor

TextSelectedColor

Accessors: GetTextSelectedColor

ThemeColor

Accessors: GetThemeColor

Toggle

Accessors: GetToggle

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	Optional, Default: SPACE.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description

DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexButtonBar

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FlexButtonBar

Behavior Pattern: FlexButtonBarBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	

AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
Direction		GetDirection	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HorizontalAlign		GetHorizontalAlign	
Id		GetId	
Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SelectedIndex		GetSelectedIndex	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
VerticalAlign		GetVerticalAlign	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChange	
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Direction

Accessors: GetDirection

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HorizontalAlign

Accessors: GetHorizontalAlign

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedIndex

Accessors: GetSelectedIndex

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

VerticalAlign

Accessors: GetVerticalAlign

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChange(relatedObject)

Parameters:

Name	Type	Description
relatedObject	String	

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt

		6 flexShiftAlt 7 flexControlShiftAlt
		Optional, Default: 0.

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	<p>FlexScrollDirectionValues</p> <ol style="list-style-type: none">1 flexScrollHorizontal2 flexScrollVertical
detail	Number	<p>FlexScrollDetailValues</p> <ol style="list-style-type: none">1 flexAtBottom2 flexAtLeft3 flexAtRight4 flexAtTop5 flexLineDown6 flexLineLeft7 flexLineRight8 flexLineUp9 flexPageDown10 flexPageLeft11 flexPageRight12 flexPageUp13 flexThumbPosition14 flexThumbTrack <p>Optional, Default: null.</p>

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.

DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click. Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
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Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexCanvas

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FlexCanvas

Behavior Pattern: FlexCanvasBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	

FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
Id		GetId	
Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	

keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
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DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft

	7	flexLineRight
	8	flexLineUp
	9	flexPageDown
	10	flexPageLeft
	11	flexPageRight
	12	flexPageUp
	13	flexThumbPosition
	14	flexThumbTrack
	Optional, Default: null.	

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.

top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.
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DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("{F}") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexCartesianChart

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FlexCartesianChart

Behavior Pattern: FlexCartesianChartBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
ClipContent		GetClipContent	
CurrentState		GetCurrentState	
DataTipLayerIndex		GetDataTipLayerIndex	
DataTipMode		GetDataTipMode	
Description		GetDescription	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
GutterBottom		GetGutterBottom	
GutterLeft		GetGutterLeft	
GutterRight		GetGutterRight	
GutterTop		GetGutterTop	

Height		GetHeight	
HorizontalAxisRatio		GetHorizontalAxisRatio	
Id		GetId	
MaximumDataTipCount		GetMaximumDataTipCount	
MouseEnabled		GetMouseEnabled	
MouseSensitivity		GetMouseSensitivity	
NumAutomationChildren		GetNumAutomationChildren	
PaddingBottom		GetPaddingBottom	
PaddingLeft		GetPaddingLeft	
PaddingRight		GetPaddingRight	
PaddingTop		GetPaddingTop	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
ShowDataTips		GetShowDataTips	
ShowDataTipTargets		GetShowDataTipTargets	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

ClipContent

Accessors: GetClipContent

CurrentState

Accessors: GetCurrentState

DataTipLayerIndex

Accessors: GetDataTipLayerIndex

DataTipMode

Accessors: GetDataTipMode

Description

Accessors: GetDescription

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

GutterBottom

Accessors: GetGutterBottom

GutterLeft

Accessors: GetGutterLeft

GutterRight

Accessors: GetGutterRight

GutterTop

Accessors: GetGutterTop

Height

Accessors: GetHeight

HorizontalAxisRatio

Accessors: GetHorizontalAxisRatio

Id

Accessors: GetId

MaximumDataTipCount

Accessors: GetMaximumDataTipCount

MouseEnabled

Accessors: GetMouseEnabled

MouseSensitivity

Accessors: GetMouseSensitivity

NumAutomationChildren

Accessors: GetNumAutomationChildren

PaddingBottom

Accessors: GetPaddingBottom

PaddingLeft

Accessors: GetPaddingLeft

PaddingRight

Accessors: GetPaddingRight

PaddingTop

Accessors: GetPaddingTop

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

ShowDataTips

Accessors: GetShowDataTips

ShowDataTipTargets

Accessors: GetShowDataTipTargets

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	

State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
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Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexChart

Behavior Pattern: FlexChartBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
ClipContent		GetClipContent	
CurrentState		GetCurrentState	
DataTipLayerIndex		GetDataTipLayerIndex	
DataTipMode		GetDataTipMode	
Description		GetDescription	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
Height		GetHeight	
Id		GetId	
MaximumDataTipCount		GetMaximumDataTipCount	
MouseEnabled		GetMouseEnabled	
MouseSensitivity		GetMouseSensitivity	
NumAutomationChildren		GetNumAutomationChildren	
PaddingBottom		GetPaddingBottom	
PaddingLeft		GetPaddingLeft	
PaddingRight		GetPaddingRight	
PaddingTop		GetPaddingTop	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
ShowDataTips		GetShowDataTips	
ShowDataTipTargets		GetShowDataTipTargets	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	

Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

ClipContent

Accessors: GetClipContent

CurrentState

Accessors: GetCurrentState

DataTipLayerIndex

Accessors: GetDataTipLayerIndex

DataTipMode

Accessors: GetDataTipMode

Description

Accessors: GetDescription

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

Height

Accessors: GetHeight

Id

Accessors: GetId

MaximumDataTipCount

Accessors: GetMaximumDataTipCount

MouseEnabled

Accessors: GetMouseEnabled

MouseSensitivity

Accessors: GetMouseSensitivity

NumAutomationChildren

Accessors: GetNumAutomationChildren

PaddingBottom

Accessors: GetPaddingBottom

PaddingLeft

Accessors: GetPaddingLeft

PaddingRight

Accessors: GetPaddingRight

PaddingTop

Accessors: GetPaddingTop

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

ShowDataTips

Accessors: GetShowDataTips

ShowDataTipTargets

Accessors: GetShowDataTipTargets

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.
 Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
 Accessors: GetObjectType

State

State of the object.
 Accessors: GetState

Value

Value of the object.
 Accessors: GetValue, SetValue

Width

Width of the object.
 Accessors: GetWidth

WindowText

Window text of the object.
 Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
 Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
 Accessors: GetY

Action Detail**DoAction()**

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center.

Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("{F}") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexChartLegend

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FlexChartLegend

Behavior Pattern: FlexChartLegendBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontWeight		GetFontWeight	
Height		GetHeight	
Id		GetId	
Label		GetLabel	
LabelPlacement		GetLabelPlacement	
MarkerAspectRatio		GetMarkerAspectRatio	
MarkerHeight		GetMarkerHeight	
MarkerWidth		GetMarkerWidth	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PaddingLeft		GetPaddingLeft	
PaddingRight		GetPaddingRight	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	

VerticalGap		GetVerticalGap	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Label

Accessors: GetLabel

LabelPlacement

Accessors: GetLabelPlacement

MarkerAspectRatio

Accessors: GetMarkerAspectRatio

MarkerHeight

Accessors: GetMarkerHeight

MarkerWidth

Accessors: GetMarkerWidth

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PaddingLeft

Accessors: GetPaddingLeft

PaddingRight

Accessors: GetPaddingRight

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

VerticalGap

Accessors: GetVerticalGap

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexChartSeries

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FlexChartSeries

Behavior Pattern: FlexChartSeriesBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDoubleClick	
DoItemRollOver	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDoubleClick(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoItemRollOver(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail**DoAction()**

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center.

Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("{F}") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexCheckBox

[Top](#) [Previous](#) [Next](#)

FlexCheckBox

Behavior Pattern: FlexCheckBoxBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
Color		GetColor	
CurrentState		GetCurrentState	
DisabledColor		GetDisabledColor	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusAlpha		GetFocusAlpha	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
Id		GetId	
Label		GetLabel	
LabelPlacement		GetLabelPlacement	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
Selected		GetSelected	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	

TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
TextDecoration		GetTextDecoration	
TextIndent		GetTextIndent	
TextRollOverColor		GetTextRollOverColor	
TextSelectedColor		GetTextSelectedColor	
ThemeColor		GetThemeColor	
Toggle		GetToggle	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusAlpha

Accessors: GetFocusAlpha

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Label

Accessors: GetLabel

LabelPlacement

Accessors: GetLabelPlacement

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Selected

Accessors: GetSelected

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

TextRollOverColor

Accessors: GetTextRollOverColor

TextSelectedColor

Accessors: GetTextSelectedColor

ThemeColor

Accessors: GetThemeColor

Toggle

Accessors: GetToggle

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt

		6 flexShiftAlt
		7 flexControlShiftAlt
		Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	Optional, Default: SPACE.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue

Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail**DoAction()**

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

Behavior Pattern: FlexColorPickerBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
Color		GetColor	
ColumnCount		GetColumnCount	
CurrentState		GetCurrentState	
DisabledColor		GetDisabledColor	
DropShadowEnabled		GetDropShadowEnabled	
Editable		GetEditable	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HighlightColor		GetHighlightColor	
HorizontalScrollPolicy		GetHorizontalScrollPolicy	
HorizontalScrollPosition		GetHorizontalScrollPosition	
Id		GetId	
LiveScrolling		GetLiveScrolling	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
Restrict		GetRestrict	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SelectedColor		GetSelectedColor	
SelectedIndex		GetSelectedIndex	
ShowScrollTips		GetShowScrollTips	
ShowTextField		GetShowTextField	

TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
Text		GetText	
TextAlign		GetTextAlign	
TextDecoration		GetTextDecoration	
TextIndent		GetTextIndent	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
VerticalScrollPolicy		GetVerticalScrollPolicy	
VerticalScrollPosition		GetVerticalScrollPosition	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChange	
DoChangeFocus	
DoClick	
DoClose	
DoInput	
DoMouseMove	
DoOpen	
DoScroll	
DoSelectText	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

ColumnCount

Accessors: GetColumnCount

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

DropShadowEnabled

Accessors: GetDropShadowEnabled

Editable

Accessors: GetEditable

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HighlightColor

Accessors: GetHighlightColor

HorizontalScrollPolicy

Accessors: GetHorizontalScrollPolicy

HorizontalScrollPosition

Accessors: GetHorizontalScrollPosition

Id

Accessors: GetId

LiveScrolling

Accessors: GetLiveScrolling

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

Restrict

Accessors: GetRestrict

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedColor

Accessors: GetSelectedColor

SelectedIndex

Accessors: GetSelectedIndex

ShowScrollTips

Accessors: GetShowScrollTips

ShowTextField

Accessors: GetShowTextField

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

Text

Accessors: GetText

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

VerticalScrollPolicy

Accessors: GetVerticalScrollPolicy

VerticalScrollPosition

Accessors: GetVerticalScrollPosition

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChange(color)

Parameters:

Name	Type	Description
color	String	

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl

		2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
--	--	--

DoClose(triggerEvent)

Parameters:

Name	Type	Description
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.

DoInput(text)

Parameters:

Name	Type	Description
text	String	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoOpen(triggerEvent)

Parameters:

Name	Type	Description
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse

		2 flexKeyboard
		Optional, Default: 1.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

DoSelectText(beginIndex, endIndex)

Parameters:

Name	Type	Description
beginIndex	Number	
endIndex	Number	

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
------	------	-------------

clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexColumnChart

[Top](#) [Previous](#) [Next](#)

FlexColumnChart

Behavior Pattern: FlexColumnChartBehavior**Property Summary**

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
ClipContent		GetClipContent	
ColumnWidthRatio		GetColumnWidthRatio	
CurrentState		GetCurrentState	
DataTipLayerIndex		GetDataTipLayerIndex	
DataTipMode		GetDataTipMode	
Description		GetDescription	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
GutterBottom		GetGutterBottom	
GutterLeft		GetGutterLeft	
GutterRight		GetGutterRight	
GutterTop		GetGutterTop	
Height		GetHeight	
HorizontalAxisRatio		GetHorizontalAxisRatio	
Id		GetId	
MaxColumnWidth		GetMaxColumnWidth	
MaximumDataTipCount		GetMaximumDataTipCount	
MouseEnabled		GetMouseEnabled	
MouseSensitivity		GetMouseSensitivity	

NumAutomationChildren		GetNumAutomationChildren	
PaddingBottom		GetPaddingBottom	
PaddingLeft		GetPaddingLeft	
PaddingRight		GetPaddingRight	
PaddingTop		GetPaddingTop	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
ShowDataTips		GetShowDataTips	
ShowDataTipTargets		GetShowDataTipTargets	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

ClipContent

Accessors: GetClipContent

ColumnWidthRatio

Accessors: GetColumnWidthRatio

CurrentState

Accessors: GetCurrentState

DataTipLayerIndex

Accessors: GetDataTipLayerIndex

DataTipMode

Accessors: GetDataTipMode

Description

Accessors: GetDescription

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

GutterBottom

Accessors: GetGutterBottom

GutterLeft

Accessors: GetGutterLeft

GutterRight

Accessors: GetGutterRight

GutterTop

Accessors: GetGutterTop

Height

Accessors: GetHeight

HorizontalAxisRatio

Accessors: GetHorizontalAxisRatio

Id

Accessors: GetId

MaxColumnWidth

Accessors: GetMaxColumnWidth

MaximumDataTipCount

Accessors: GetMaximumDataTipCount

MouseEnabled

Accessors: GetMouseEnabled

MouseSensitivity

Accessors: GetMouseSensitivity

NumAutomationChildren

Accessors: GetNumAutomationChildren

PaddingBottom

Accessors: GetPaddingBottom

PaddingLeft

Accessors: GetPaddingLeft

PaddingRight

Accessors: GetPaddingRight

PaddingTop

Accessors: GetPaddingTop

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

ShowDataTips

Accessors: GetShowDataTips

ShowDataTipTargets

Accessors: GetShowDataTipTargets

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	

ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexColumnSeries

Behavior Pattern: FlexColumnSeriesBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
ColumnWidthRatio		GetColumnWidthRatio	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
MaxColumnWidth		GetMaxColumnWidth	
MinField		GetMinField	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
Offset		GetOffset	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SortOnXField		GetSortOnXField	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
XField		GetXField	
Y		GetY	
YField		GetYField	

Action Summary

Action	Description

DoChangeFocus	
DoClick	
DoDoubleClick	
DoItemRollOver	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

ColumnWidthRatio

Accessors: GetColumnWidthRatio

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

MaxColumnWidth

Accessors: GetMaxColumnWidth

MinField

Accessors: GetMinField

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

Offset

Accessors: GetOffset

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SortOnXField

Accessors: GetSortOnXField

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

XField

Accessors: GetXField

Y

Accessors: GetY

YField

Accessors: GetYField

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt

Optional, Default: 0.

DoDoubleClick(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoItemRollOver(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexComboBase

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FlexComboBase

Behavior Pattern: FlexComboBaseBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
Color		GetColor	
CurrentState		GetCurrentState	
DisabledColor		GetDisabledColor	
DropShadowEnabled		GetDropShadowEnabled	
Editable		GetEditable	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HighlightColor		GetHighlightColor	
HorizontalScrollPolicy		GetHorizontalScrollPolicy	
HorizontalScrollPosition		GetHorizontalScrollPosition	
Id		GetId	
LiveScrolling		GetLiveScrolling	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
Restrict		GetRestrict	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SelectedIndex		GetSelectedIndex	
ShowScrollTips		GetShowScrollTips	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
Text		GetText	
TextAlign		GetTextAlign	
TextDecoration		GetTextDecoration	
TextIndent		GetTextIndent	
ThemeColor		GetThemeColor	

ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
VerticalScrollPolicy		GetVerticalScrollPolicy	
VerticalScrollPosition		GetVerticalScrollPosition	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoClose	
DoInput	
DoMouseMove	
DoOpen	
DoScroll	
DoSelectText	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

DropShadowEnabled

Accessors: GetDropShadowEnabled

Editable

Accessors: GetEditable

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HighlightColor

Accessors: GetHighlightColor

HorizontalScrollPolicy

Accessors: GetHorizontalScrollPolicy

HorizontalScrollPosition

Accessors: GetHorizontalScrollPosition

Id

Accessors: GetId

LiveScrolling

Accessors: GetLiveScrolling

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

Restrict

Accessors: GetRestrict

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedIndex

Accessors: GetSelectedIndex

ShowScrollTips

Accessors: GetShowScrollTips

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

Text

Accessors: GetText

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

VerticalScrollPolicy

Accessors: GetVerticalScrollPolicy

VerticalScrollPosition

Accessors: GetVerticalScrollPosition

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoClose(triggerEvent)

Parameters:

Name	Type	Description
triggerEvent	Number	<p>FlexTriggerEventValues</p> <ol style="list-style-type: none">1 flexMouse2 flexKeyboard <p>Optional, Default: 1.</p>

DoInput(text)

Parameters:

Name	Type	Description
text	String	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoOpen(triggerEvent)

Parameters:

Name	Type	Description
triggerEvent	Number	<p>FlexTriggerEventValues</p> <ol style="list-style-type: none">1 flexMouse2 flexKeyboard <p>Optional, Default: 1.</p>

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	<p>FlexScrollDirectionValues</p> <ol style="list-style-type: none">1 flexScrollHorizontal2 flexScrollVertical
detail	Number	<p>FlexScrollDetailValues</p> <ol style="list-style-type: none">1 flexAtBottom2 flexAtLeft3 flexAtRight4 flexAtTop5 flexLineDown6 flexLineLeft7 flexLineRight8 flexLineUp9 flexPageDown10 flexPageLeft11 flexPageRight12 flexPageUp13 flexThumbPosition14 flexThumbTrack

Optional, Default: null.

DoSelectText(beginIndex, endIndex)

Parameters:

Name	Type	Description
beginIndex	Number	
endIndex	Number	

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.

DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexComboBox

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FlexComboBox

Behavior Pattern: FlexComboBoxBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AlternatingRowColors		GetAlternatingRowColors	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	

BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
Color		GetColor	
CurrentState		GetCurrentState	
DisabledColor		GetDisabledColor	
DropShadowEnabled		GetDropShadowEnabled	
Editable		GetEditable	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HighlightColor		GetHighlightColor	
HorizontalScrollPolicy		GetHorizontalScrollPolicy	
HorizontalScrollPosition		GetHorizontalScrollPosition	
Id		GetId	
LiveScrolling		GetLiveScrolling	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
Restrict		GetRestrict	
RollOverColor		GetRollOverColor	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SelectedIndex		GetSelectedIndex	
SelectionColor		GetSelectionColor	
ShowScrollTips		GetShowScrollTips	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
Text		GetText	
TextAlign		GetTextAlign	
TextDecoration		GetTextDecoration	
TextIndent		GetTextIndent	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
VerticalScrollPolicy		GetVerticalScrollPolicy	
VerticalScrollPosition		GetVerticalScrollPosition	

Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoClose	
DoInput	
DoMouseMove	
DoOpen	
DoScroll	
DoSelect	
DoSelectText	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AlternatingRowColors

Accessors: GetAlternatingRowColors

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

DropShadowEnabled

Accessors: GetDropShadowEnabled

Editable

Accessors: GetEditable

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HighlightColor

Accessors: GetHighlightColor

HorizontalScrollPolicy

Accessors: GetHorizontalScrollPolicy

HorizontalScrollPosition

Accessors: GetHorizontalScrollPosition

Id

Accessors: GetId

LiveScrolling

Accessors: GetLiveScrolling

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

Restrict

Accessors: GetRestrict

RollOverColor

Accessors: GetRollOverColor

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedIndex

Accessors: GetSelectedIndex

SelectionColor

Accessors: GetSelectionColor

ShowScrollTips

Accessors: GetShowScrollTips

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

Text

Accessors: GetText

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

VerticalScrollPolicy

Accessors: GetVerticalScrollPolicy

VerticalScrollPosition

Accessors: GetVerticalScrollPosition

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoClose(triggerEvent)

Parameters:

Name	Type	Description
triggerEvent	Number	<p>FlexTriggerEventValues</p> <ol style="list-style-type: none">1 flexMouse2 flexKeyboard <p>Optional, Default: 1.</p>

DoInput(text)

Parameters:

Name	Type	Description
text	String	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoOpen(triggerEvent)

Parameters:

Name	Type	Description
triggerEvent	Number	<p>FlexTriggerEventValues</p> <ol style="list-style-type: none">1 flexMouse2 flexKeyboard <p>Optional, Default: 1.</p>

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	<p>FlexScrollDirectionValues</p> <ol style="list-style-type: none">1 flexScrollHorizontal2 flexScrollVertical
detail	Number	<p>FlexScrollDetailValues</p> <ol style="list-style-type: none">1 flexAtBottom2 flexAtLeft3 flexAtRight4 flexAtTop5 flexLineDown

		6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.
--	--	--

DoSelect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoSelectText(beginIndex, endIndex)

Parameters:

Name	Type	Description
beginIndex	Number	
endIndex	Number	

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt

	7	flexControlShiftAlt
		Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
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x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexContainer

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FlexContainer

Behavior Pattern: FlexContainerBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
Id		GetId	
Label		GetLabel	

MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail**DoAction()**

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center.

Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("{F}") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexDataGrid

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FlexDataGrid

Behavior Pattern: FlexDataGridBehavior

Property Summary

Property	Description	Getter	Setter
AllowMultipleSelection		GetAllowMultipleSelection	
Alpha		GetAlpha	
AlternatingRowColors		GetAlternatingRowColors	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundDisabledColor		GetBackgroundDisabledColor	
ClassName		GetClassName	
ColumnCount		GetColumnCount	
ColumnNames		GetColumnNames	
ColumnWidth		GetColumnWidth	
CurrentState		GetCurrentState	
DataTipField		GetDataTipField	
Editable		GetEditable	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusAlpha		GetFocusAlpha	
FocusEnabled		GetFocusEnabled	
HeaderColors		GetHeaderColors	
HeaderStyle		GetHeaderStyle	
Height		GetHeight	
IconField		GetIconField	
Id		GetId	
LabelField		GetLabelField	
LockedColumnCount		GetLockedColumnCount	
LockedRowCount		GetLockedRowCount	
MinColumnWidth		GetMinColumnWidth	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	

ResizableColumns		GetResizableColumns	
RollOverColor		GetRollOverColor	
RowCount		GetRowCount	
RowHeight		GetRowHeight	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
Selectable		GetSelectable	
SelectedIndex		GetSelectedIndex	
SelectedIndices		GetSelectedIndices	
SelectedItem		GetSelectedItem	
SelectedItems		GetSelectedItems	
SelectionColor		GetSelectionColor	
SelectionDisabledColor		GetSelectionDisabledColor	
ShowDataTips		GetShowDataTips	
SortableColumns		GetSortableColumns	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextRollOverColor		GetTextRollOverColor	
TextSelectedColor		GetTextSelectedColor	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
UseRollOver		GetUseRollOver	
VariableRowHeight		GetVariableRowHeight	
VerticalAlign		GetVerticalAlign	
VGridLineColor		GetVGridLineColor	
VGridLines		GetVGridLines	
Visible		GetVisible	
Width		GetWidth	
WordWrap		GetWordWrap	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoColumnStretch	
DoDeselect	
DoDoubleClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoEdit	
DoHeaderClick	
DoHeaderShift	
DoMouseMove	
DoMouseScroll	
DoMultiSelect	

DoScroll	
DoSelect	
DoType	

Property Detail

AllowMultipleSelection

Accessors: GetAllowMultipleSelection

Alpha

Accessors: GetAlpha

AlternatingRowColors

Accessors: GetAlternatingRowColors

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

ClassName

Accessors: GetClassName

ColumnCount

Accessors: GetColumnCount

ColumnNames

Accessors: GetColumnNames

ColumnWidth

Accessors: GetColumnWidth

CurrentState

Accessors: GetCurrentState

DataTipField

Accessors: GetDataTipField

Editable

Accessors: GetEditable

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusAlpha

Accessors: GetFocusAlpha

FocusEnabled

Accessors: GetFocusEnabled

HeaderColors

Accessors: GetHeaderColors

HeaderStyle

Accessors: GetHeaderStyle

Height

Accessors: GetHeight

IconField

Accessors: GetIconField

Id

Accessors: GetId

LabelField

Accessors: GetLabelField

LockedColumnCount

Accessors: GetLockedColumnCount

LockedRowCount

Accessors: GetLockedRowCount

MinColumnWidth

Accessors: GetMinColumnWidth

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ResizableColumns

Accessors: GetResizableColumns

RollOverColor

Accessors: GetRollOverColor

RowCount

Accessors: GetRowCount

RowHeight

Accessors: GetRowHeight

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Selectable

Accessors: GetSelectable

SelectedIndex

Accessors: GetSelectedIndex

SelectedIndices

Accessors: GetSelectedIndices

SelectedItem

Accessors: GetSelectedItem

SelectedItems

Accessors: GetSelectedItems

SelectionColor

Accessors: GetSelectionColor

SelectionDisabledColor

Accessors: GetSelectionDisabledColor

ShowDataTips

Accessors: GetShowDataTips

SortableColumns

Accessors: GetSortableColumns

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextRollOverColor

Accessors: GetTextRollOverColor

TextSelectedColor

Accessors: GetTextSelectedColor

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

UseRollOver

Accessors: GetUseRollOver

VariableRowHeight

Accessors: GetVariableRowHeight

VerticalAlign

Accessors: GetVerticalAlign

VGridLineColor

Accessors: GetVGridLineColor

VGridLines

Accessors: GetVGridLines

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

WordWrap

Accessors: GetWordWrap

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoColumnStretch(columnIndex, localX)

Parameters:

Name	Type	Description
columnIndex	Number	
localX	Number	

DoDeselect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDoubleClick(itemRenderer)

Parameters:

Name	Type	Description
itemRenderer	String	

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoEdit(itemRenderer, rowIndex, columnIndex)

Parameters:

Name	Type	Description
itemRenderer	String	
rowIndex	Number	
columnIndex	Number	

DoHeaderClick(columnIndex)

Parameters:

Name	Type	Description
columnIndex	Number	

DoHeaderShift(newIndex, oldIndex, triggerEvent)

Parameters:

Name	Type	Description

Name	Type	Description
newIndex	Number	
oldIndex	Number	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoMultiSelect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt

		7 flexControlShiftAlt
		Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

DoSelect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic**Property Summary**

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.

DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click. Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
------	------	-------------

x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("{F}") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexDateChooser

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FlexDateChooser

Behavior Pattern: FlexDateChooserBehavior

Property Summary

Property	Description	Getter	Setter
AllowDisjointSelection		GetAllowDisjointSelection	
AllowMultipleSelection		GetAllowMultipleSelection	
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
Color		GetColor	
CurrentState		GetCurrentState	
DisabledColor		GetDisabledColor	
DisabledDays		GetDisabledDays	
DisabledRanges		GetDisabledRanges	
DisplayedMonth		GetDisplayedMonth	
DisplayedYear		GetDisplayedYear	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	

FillColor		GetFillColor	
FirstDayOfWeek		GetFirstDayOfWeek	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
HeaderColors		GetHeaderColors	
Height		GetHeight	
Id		GetId	
MaxYear		GetMaxYear	
MinYear		GetMinYear	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
RollOverColor		GetRollOverColor	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SelectedDate		GetSelectedDate	
SelectedRanges		GetSelectedRanges	
SelectionColor		GetSelectionColor	
ShowToday		GetShowToday	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
TextDecoration		GetTextDecoration	
TextIndent		GetTextIndent	
ThemeColor		GetThemeColor	
TodayColor		GetTodayColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	
YearNavigationEnabled		GetYearNavigationEnabled	

Action Summary

Action	Description
DoChange	
DoChangeFocus	
DoClick	
DoMouseMove	
DoScroll	
DoType	

Property Detail

AllowDisjointSelection

Accessors: GetAllowDisjointSelection

AllowMultipleSelection

Accessors: GetAllowMultipleSelection

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

DisabledDays

Accessors: GetDisabledDays

DisabledRanges

Accessors: GetDisabledRanges

DisplayedMonth

Accessors: GetDisplayedMonth

DisplayedYear

Accessors: GetDisplayedYear

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillColors

Accessors: GetFillColors

FirstDayOfWeek

Accessors: GetFirstDayOfWeek

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

HeaderColors

Accessors: GetHeaderColors

Height

Accessors: GetHeight

Id

Accessors: GetId

MaxYear

Accessors: GetMaxYear

MinYear

Accessors: GetMinYear

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

RollOverColor

Accessors: GetRollOverColor

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedDate

Accessors: GetSelectedDate

SelectedRanges

Accessors: GetSelectedRanges

SelectionColor

Accessors: GetSelectionColor

ShowToday

Accessors: GetShowToday

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

ThemeColor

Accessors: GetThemeColor

TodayColor

Accessors: GetTodayColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

YearNavigationEnabled

Accessors: GetYearNavigationEnabled

Action Detail

DoChange(newDate)

Parameters:

Name	Type	Description
newDate	Date	

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description

shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoScroll(detail)

Parameters:

Name	Type	Description
detail	Number	FlexDateChooserDetailValues 1 flexNextMonth 2 flexNextYear 3 flexPreviousMonth 4 flexPreviousYear

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
------	------	-------------

path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexDateField

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FlexDateField

Behavior Pattern: FlexDateFieldBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
Color		GetColor	
CurrentState		GetCurrentState	
DisabledColor		GetDisabledColor	
DisabledDays		GetDisabledDays	
DisabledRanges		GetDisabledRanges	
DisplayedMonth		GetDisplayedMonth	
DisplayedYear		GetDisplayedYear	
DropShadowEnabled		GetDropShadowEnabled	
Editable		GetEditable	
Enabled		GetEnabled	

ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FirstDayOfWeek		GetFirstDayOfWeek	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
HeaderColors		GetHeaderColors	
Height		GetHeight	
HighlightColor		GetHighlightColor	
HorizontalScrollPolicy		GetHorizontalScrollPolicy	
HorizontalScrollPosition		GetHorizontalScrollPosition	
Id		GetId	
LiveScrolling		GetLiveScrolling	
MaxYear		GetMaxYear	
MinYear		GetMinYear	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
Restrict		GetRestrict	
RollOverColor		GetRollOverColor	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SelectedDate		GetSelectedDate	
SelectedIndex		GetSelectedIndex	
ShowScrollTips		GetShowScrollTips	
ShowToday		GetShowToday	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
Text		GetText	
TextAlign		GetTextAlign	
TextDecoration		GetTextDecoration	
TextIndent		GetTextIndent	
ThemeColor		GetThemeColor	
TodayColor		GetTodayColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
VerticalScrollPolicy		GetVerticalScrollPolicy	
VerticalScrollPosition		GetVerticalScrollPosition	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	
YearNavigationEnabled		GetYearNavigationEnabled	

Action Summary

Action	Description
DoChange	
DoChangeFocus	
DoClick	
DoClose	
DoInput	
DoMouseMove	
DoOpen	
DoScroll	
DoSelectText	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

DisabledDays

Accessors: GetDisabledDays

DisabledRanges

Accessors: GetDisabledRanges

DisplayedMonth

Accessors: GetDisplayedMonth

DisplayedYear

Accessors: GetDisplayedYear

DropShadowEnabled

Accessors: GetDropShadowEnabled

Editable

Accessors: GetEditable

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FirstDayOfWeek

Accessors: GetFirstDayOfWeek

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

HeaderColors

Accessors: GetHeaderColors

Height

Accessors: GetHeight

HighlightColor

Accessors: GetHighlightColor

HorizontalScrollPolicy

Accessors: GetHorizontalScrollPolicy

HorizontalScrollPosition

Accessors: GetHorizontalScrollPosition

Id

Accessors: GetId

LiveScrolling

Accessors: GetLiveScrolling

MaxYear

Accessors: GetMaxYear

MinYear

Accessors: GetMinYear

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

Restrict

Accessors: GetRestrict

RollOverColor

Accessors: GetRollOverColor

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedDate

Accessors: GetSelectedDate

SelectedIndex

Accessors: GetSelectedIndex

ShowScrollTips

Accessors: GetShowScrollTips

ShowToday

Accessors: GetShowToday

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

Text

Accessors: GetText

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

ThemeColor

Accessors: GetThemeColor

TodayColor

Accessors: GetTodayColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

VerticalScrollPolicy

Accessors: GetVerticalScrollPolicy

VerticalScrollPosition

Accessors: GetVerticalScrollPosition

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

YearNavigationEnabled

Accessors: GetYearNavigationEnabled

Action Detail

DoChange(newDate)

Parameters:

Name	Type	Description
newDate	Date	

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoClose(triggerEvent)

Parameters:

Name	Type	Description
triggerEvent	Number	<p>FlexTriggerEventValues</p> <ol style="list-style-type: none">1 flexMouse2 flexKeyboard <p>Optional, Default: 1.</p>

DoInput(text)

Parameters:

Name	Type	Description
text	String	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.

keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
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DoOpen(triggerEvent)

Parameters:

Name	Type	Description
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

DoSelectText(beginIndex, endIndex)

Parameters:

Name	Type	Description

beginIndex	Number	
endIndex	Number	

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.

DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click. Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
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Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexDisplayObject

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FlexDisplayObject

Behavior Pattern: FlexDisplayObjectBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
FlexX		GetFlexX	
FlexY		GetFlexY	
Height		GetHeight	
MouseEnabled		GetMouseEnabled	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

Height

Accessors: GetHeight

MouseEnabled

Accessors: GetMouseEnabled

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)**Parameters:**

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic**Property Summary**

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexDividedBox

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FlexDividedBox

Behavior Pattern: FlexDividedBoxBehavior

Property Summary

Property	Description	Getter	Setter

Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
Direction		GetDirection	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HorizontalAlign		GetHorizontalAlign	
Id		GetId	
Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ResizeToContent		GetResizeToContent	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
VerticalAlign		GetVerticalAlign	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragged	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoPressed	
DoReleased	
DoScroll	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Direction

Accessors: GetDirection

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HorizontalAlign

Accessors: GetHorizontalAlign

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ResizeToContent

Accessors: GetResizeToContent

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

VerticalAlign

Accessors: GetVerticalAlign

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragged(dividerIndex, delta)

Parameters:

Name	Type	Description
dividerIndex	Number	
delta	Number	

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt

		Optional, Default: 0.
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DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoPressed(dividerIndex, delta)

Parameters:

Name	Type	Description
dividerIndex	Number	
delta	Number	

DoReleased(dividerIndex, delta)

Parameters:

Name	Type	Description
dividerIndex	Number	
delta	Number	

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	

		FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.

DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click. Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
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Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexForm

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FlexForm

Behavior Pattern: FlexFormBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	

CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
Id		GetId	
Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColor

Accessors: GetFillColor

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.

keyCode	String	Optional, Default: TAB.
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DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	<p>FlexScrollDirectionValues</p> <ol style="list-style-type: none">1 flexScrollHorizontal2 flexScrollVertical
detail	Number	FlexScrollDetailValues

	1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.
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Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border

y	number	Y-coordinate of location relative to object's top border
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Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexFormItem

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FlexFormItem

Behavior Pattern: FlexFormItemBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	

FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HorizontalAlign		GetHorizontalAlign	
Id		GetId	
Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HorizontalAlign

Accessors: GetHorizontalAlign

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop

	5	flexLineDown
	6	flexLineLeft
	7	flexLineRight
	8	flexLineUp
	9	flexPageDown
	10	flexPageLeft
	11	flexPageRight
	12	flexPageUp
	13	flexThumbPosition
	14	flexThumbTrack
	Optional, Default: null.	

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail**DoAction()**

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).

left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexHLOCChart

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FlexHLOCChart

Behavior Pattern: FlexHLOCChartBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
ClipContent		GetClipContent	
ColumnWidthRatio		GetColumnWidthRatio	
CurrentState		GetCurrentState	
DataTipLayerIndex		GetDataTipLayerIndex	
DataTipMode		GetDataTipMode	
Description		GetDescription	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
GutterBottom		GetGutterBottom	

GutterLeft		GetGutterLeft	
GutterRight		GetGutterRight	
GutterTop		GetGutterTop	
Height		GetHeight	
HorizontalAxisRatio		GetHorizontalAxisRatio	
Id		GetId	
MaxColumnWidth		GetMaxColumnWidth	
MaximumDataTipCount		GetMaximumDataTipCount	
MouseEnabled		GetMouseEnabled	
MouseSensitivity		GetMouseSensitivity	
NumAutomationChildren		GetNumAutomationChildren	
PaddingBottom		GetPaddingBottom	
PaddingLeft		GetPaddingLeft	
PaddingRight		GetPaddingRight	
PaddingTop		GetPaddingTop	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
ShowDataTips		GetShowDataTips	
ShowDataTipTargets		GetShowDataTipTargets	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

ClipContent

Accessors: GetClipContent

ColumnWidthRatio

Accessors: GetColumnWidthRatio

CurrentState

Accessors: GetCurrentState

DataTipLayerIndex

Accessors: GetDataTipLayerIndex

DataTipMode

Accessors: GetDataTipMode

Description

Accessors: GetDescription

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

GutterBottom

Accessors: GetGutterBottom

GutterLeft

Accessors: GetGutterLeft

GutterRight

Accessors: GetGutterRight

GutterTop

Accessors: GetGutterTop

Height

Accessors: GetHeight

HorizontalAxisRatio

Accessors: GetHorizontalAxisRatio

Id

Accessors: GetId

MaxColumnWidth

Accessors: GetMaxColumnWidth

MaximumDataTipCount

Accessors: GetMaximumDataTipCount

MouseEnabled

Accessors: GetMouseEnabled

MouseSensitivity

Accessors: GetMouseSensitivity

NumAutomationChildren

Accessors: GetNumAutomationChildren

PaddingBottom

Accessors: GetPaddingBottom

PaddingLeft

Accessors: GetPaddingLeft

PaddingRight

Accessors: GetPaddingRight

PaddingTop

Accessors: GetPaddingTop

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

ShowDataTips

Accessors: GetShowDataTips

ShowDataTipTargets

Accessors: GetShowDataTipTargets

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail**DoAction()**

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" -

		middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
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x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexImage

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FlexImage

Behavior Pattern: FlexImageBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
Source		GetSource	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Source

Accessors: GetSource

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt

Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border

y	number	Y-coordinate of location relative to object's top border
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Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexLabel

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FlexLabel

Behavior Pattern: FlexLabelBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
Color		GetColor	
CurrentState		GetCurrentState	
DisabledColor		GetDisabledColor	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HtmlText		GetHtmlText	
Id		GetId	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	

TabIndex		GetTabIndex	
Text		GetText	
TextAlign		GetTextAlign	
TextDecoration		GetTextDecoration	
TextIndent		GetTextIndent	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HtmlText

Accessors: GetHtmlText

Id

Accessors: GetId

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

Text

Accessors: GetText

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
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Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexLineChart[Top](#) [Previous](#) [Next](#)

FlexLineChart

Behavior Pattern: FlexLineChartBehavior**Property Summary**

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
ClipContent		GetClipContent	
CurrentState		GetCurrentState	
DataTipLayerIndex		GetDataTipLayerIndex	
DataTipMode		GetDataTipMode	
Description		GetDescription	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
GutterBottom		GetGutterBottom	
GutterLeft		GetGutterLeft	
GutterRight		GetGutterRight	
GutterTop		GetGutterTop	
Height		GetHeight	
HorizontalAxisRatio		GetHorizontalAxisRatio	
Id		GetId	
MaximumDataTipCount		GetMaximumDataTipCount	
MouseEnabled		GetMouseEnabled	
MouseSensitivity		GetMouseSensitivity	
NumAutomationChildren		GetNumAutomationChildren	
PaddingBottom		GetPaddingBottom	
PaddingLeft		GetPaddingLeft	
PaddingRight		GetPaddingRight	
PaddingTop		GetPaddingTop	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	

ScaleY		GetScaleY	
ShowDataTips		GetShowDataTips	
ShowDataTipTargets		GetShowDataTipTargets	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

ClipContent

Accessors: GetClipContent

CurrentState

Accessors: GetCurrentState

DataTipLayerIndex

Accessors: GetDataTipLayerIndex

DataTipMode

Accessors: GetDataTipMode

Description

Accessors: GetDescription

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

GutterBottom

Accessors: GetGutterBottom

GutterLeft

Accessors: GetGutterLeft

GutterRight

Accessors: GetGutterRight

GutterTop

Accessors: GetGutterTop

Height

Accessors: GetHeight

HorizontalAxisRatio

Accessors: GetHorizontalAxisRatio

Id

Accessors: GetId

MaximumDataTipCount

Accessors: GetMaximumDataTipCount

MouseEnabled

Accessors: GetMouseEnabled

MouseSensitivity

Accessors: GetMouseSensitivity

NumAutomationChildren

Accessors: GetNumAutomationChildren

PaddingBottom

Accessors: GetPaddingBottom

PaddingLeft

Accessors: GetPaddingLeft

PaddingRight

Accessors: GetPaddingRight

PaddingTop

Accessors: GetPaddingTop

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

ShowDataTips

Accessors: GetShowDataTips

ShowDataTipTargets

Accessors: GetShowDataTipTargets

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

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Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.

DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
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x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
------	------	-------------

x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDoubleClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexLineSeries

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FlexLineSeries

Behavior Pattern: FlexLineSeriesBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	

AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Form		GetForm	
Height		GetHeight	
Id		GetId	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
Radius		GetRadius	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SortOnXField		GetSortOnXField	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
XField		GetXField	
Y		GetY	
YField		GetYField	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDoubleClick	
DoItemRollOver	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Form

Accessors: GetForm

Height

Accessors: GetHeight

Id

Accessors: GetId

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

Radius

Accessors: GetRadius

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SortOnXField

Accessors: GetSortOnXField

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

XField

Accessors: GetXField

Y

Accessors: GetY

YField

Accessors: GetYField

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDoubleClick(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoItemRollOver(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border

y	number	Y-coordinate of location relative to object's top border
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Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexLinkBar

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FlexLinkBar

Behavior Pattern: FlexLinkBarBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
Direction		GetDirection	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	

FillColor		GetFillColor	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HorizontalAlign		GetHorizontalAlign	
Id		GetId	
Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SelectedIndex		GetSelectedIndex	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
VerticalAlign		GetVerticalAlign	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChange	
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Direction

Accessors: GetDirection

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HorizontalAlign

Accessors: GetHorizontalAlign

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedIndex

Accessors: GetSelectedIndex

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

VerticalAlign

Accessors: GetVerticalAlign

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChange(relatedObject)

Parameters:

Name	Type	Description
relatedObject	String	

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt

Optional, Default: 0.

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center.

		Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexList

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FlexList

Behavior Pattern: FlexListBehavior

Property Summary

Property	Description	Getter	Setter
AllowMultipleSelection		GetAllowMultipleSelection	
Alpha		GetAlpha	
AlternatingRowColors		GetAlternatingRowColors	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundDisabledColor		GetBackgroundDisabledColor	
ClassName		GetClassName	
ColumnCount		GetColumnCount	
ColumnWidth		GetColumnWidth	
CurrentState		GetCurrentState	
DataTipField		GetDataTipField	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusAlpha		GetFocusAlpha	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
IconField		GetIconField	
Id		GetId	
LabelField		GetLabelField	
LockedColumnCount		GetLockedColumnCount	
LockedRowCount		GetLockedRowCount	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
RollOverColor		GetRollOverColor	
RowCount		GetRowCount	
RowHeight		GetRowHeight	
ScaleX		GetScaleX	

ScaleY		GetScaleY	
Selectable		GetSelectable	
SelectedIndex		GetSelectedIndex	
SelectedIndices		GetSelectedIndices	
SelectedItem		GetSelectedItem	
SelectedItems		GetSelectedItems	
SelectionColor		GetSelectionColor	
SelectionDisabledColor		GetSelectionDisabledColor	
ShowDataTips		GetShowDataTips	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextRollOverColor		GetTextRollOverColor	
TextSelectedColor		GetTextSelectedColor	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
UseRollOver		GetUseRollOver	
VariableRowHeight		GetVariableRowHeight	
VerticalAlign		GetVerticalAlign	
Visible		GetVisible	
Width		GetWidth	
WordWrap		GetWordWrap	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDeselect	
DoDoubleClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoEdit	
DoMouseMove	
DoMouseScroll	
DoMultiSelect	
DoScroll	
DoSelect	
DoType	

Property Detail

AllowMultipleSelection

Accessors: GetAllowMultipleSelection

Alpha

Accessors: GetAlpha

AlternatingRowColors

Accessors: GetAlternatingRowColors

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

ClassName

Accessors: GetClassName

ColumnCount

Accessors: GetColumnCount

ColumnWidth

Accessors: GetColumnWidth

CurrentState

Accessors: GetCurrentState

DataTipField

Accessors: GetDataTipField

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusAlpha

Accessors: GetFocusAlpha

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

IconField

Accessors: GetIconField

Id

Accessors: GetId

LabelField

Accessors: GetLabelField

LockedColumnCount

Accessors: GetLockedColumnCount

LockedRowCount

Accessors: GetLockedRowCount

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

RollOverColor

Accessors: GetRollOverColor

RowCount

Accessors: GetRowCount

RowHeight

Accessors: GetRowHeight

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Selectable

Accessors: GetSelectable

SelectedIndex

Accessors: GetSelectedIndex

SelectedIndices

Accessors: GetSelectedIndices

SelectedItem

Accessors: GetSelectedItem

SelectedItems

Accessors: GetSelectedItems

SelectionColor

Accessors: GetSelectionColor

SelectionDisabledColor

Accessors: GetSelectionDisabledColor

ShowDataTips

Accessors: GetShowDataTips

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextRollOverColor

Accessors: GetTextRollOverColor

TextSelectedColor

Accessors: GetTextSelectedColor

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

UseRollOver

Accessors: GetUseRollOver

VariableRowHeight

Accessors: GetVariableRowHeight

VerticalAlign

Accessors: GetVerticalAlign

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

WordWrap

Accessors: GetWordWrap

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift

		4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
--	--	---

DoDeselect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDoubleClick(itemRenderer)

Parameters:

Name	Type	Description
itemRenderer	String	

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoEdit(itemRenderer, rowIndex, columnIndex)

Parameters:

Name	Type	Description
itemRenderer	String	
rowIndex	Number	
columnIndex	Number	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl

		2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
--	--	--

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoMultiSelect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown

		6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.
--	--	--

DoSelect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
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Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexListBase

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FlexListBase

Behavior Pattern: FlexListBaseBehavior

Property Summary

Property	Description	Getter	Setter
AllowMultipleSelection		GetAllowMultipleSelection	
Alpha		GetAlpha	
AlternatingRowColors		GetAlternatingRowColors	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundDisabledColor		GetBackgroundDisabledColor	
ClassName		GetClassName	
ColumnCount		GetColumnCount	
ColumnWidth		GetColumnWidth	
CurrentState		GetCurrentState	
DataTipField		GetDataTipField	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusAlpha		GetFocusAlpha	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
IconField		GetIconField	
Id		GetId	
LabelField		GetLabelField	
LockedColumnCount		GetLockedColumnCount	
LockedRowCount		GetLockedRowCount	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
RollOverColor		GetRollOverColor	
RowCount		GetRowCount	
RowHeight		GetRowHeight	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
Selectable		GetSelectable	
SelectedIndex		GetSelectedIndex	

SelectedIndices		GetSelectedIndices	
SelectedItem		GetSelectedItem	
SelectedItems		GetSelectedItems	
SelectionColor		GetSelectionColor	
SelectionDisabledColor		GetSelectionDisabledColor	
ShowDataTips		GetShowDataTips	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextRollOverColor		GetTextRollOverColor	
TextSelectedColor		GetTextSelectedColor	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
UseRollOver		GetUseRollOver	
VariableRowHeight		GetVariableRowHeight	
VerticalAlign		GetVerticalAlign	
Visible		GetVisible	
Width		GetWidth	
WordWrap		GetWordWrap	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDeselect	
DoDoubleClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoMultiSelect	
DoScroll	
DoSelect	
DoType	

Property Detail

AllowMultipleSelection

Accessors: GetAllowMultipleSelection

Alpha

Accessors: GetAlpha

AlternatingRowColors

Accessors: GetAlternatingRowColors

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

ClassName

Accessors: GetClassName

ColumnCount

Accessors: GetColumnCount

ColumnWidth

Accessors: GetColumnWidth

CurrentState

Accessors: GetCurrentState

DataTipField

Accessors: GetDataTipField

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusAlpha

Accessors: GetFocusAlpha

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

IconField

Accessors: GetIconField

Id

Accessors: GetId

LabelField

Accessors: GetLabelField

LockedColumnCount

Accessors: GetLockedColumnCount

LockedRowCount

Accessors: GetLockedRowCount

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

RollOverColor

Accessors: GetRollOverColor

RowCount

Accessors: GetRowCount

RowHeight

Accessors: GetRowHeight

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Selectable

Accessors: GetSelectable

SelectedIndex

Accessors: GetSelectedIndex

SelectedIndices

Accessors: GetSelectedIndices

SelectedItem

Accessors: GetSelectedItem

SelectedItems

Accessors: GetSelectedItems

SelectionColor

Accessors: GetSelectionColor

SelectionDisabledColor

Accessors: GetSelectionDisabledColor

ShowDataTips

Accessors: GetShowDataTips

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextRollOverColor

Accessors: GetTextRollOverColor

TextSelectedColor

Accessors: GetTextSelectedColor

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

UseRollOver

Accessors: GetUseRollOver

VariableRowHeight

Accessors: GetVariableRowHeight

VerticalAlign

Accessors: GetVerticalAlign

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

WordWrap

Accessors: GetWordWrap

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt

		Optional, Default: 0.
--	--	-----------------------

DoDeselect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDoubleClick(itemRenderer)

Parameters:

Name	Type	Description
itemRenderer	String	

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description

action	String	
draggedItem	String	Optional.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description

delta	Number	Optional, Default: 0.
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DoMultiSelect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

DoSelect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexListLabel

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FlexListLabel

Behavior Pattern: FlexListLabelBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
AutomationValue		GetAutomationValue	
ClassName		GetClassName	
FlexX		GetFlexX	
FlexY		GetFlexY	
Height		GetHeight	
MouseEnabled		GetMouseEnabled	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

AutomationValue

Accessors: GetAutomationValue

ClassName

Accessors: GetClassName

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

Height

Accessors: GetHeight

MouseEnabled

Accessors: GetMouseEnabled

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ul style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.

localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail**DoAction()**

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).

left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexLoader

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FlexLoader

Behavior Pattern: FlexLoaderBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	

Source		GetSource	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Source

Accessors: GetSource

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
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Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border

y	number	Y-coordinate of location relative to object's top border
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Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexMenu

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FlexMenu

Behavior Pattern: FlexMenuBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AlternatingRowColors		GetAlternatingRowColors	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	

PercentWidth		GetPercentWidth	
RollOverColor		GetRollOverColor	
RowCount		GetRowCount	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SelectedIndex		GetSelectedIndex	
SelectionColor		GetSelectionColor	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextRollOverColor		GetTextRollOverColor	
TextSelectedColor		GetTextSelectedColor	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoHide	
DoMouseMove	
DoSelect	
DoShow	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AlternatingRowColors

Accessors: GetAlternatingRowColors

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

RollOverColor

Accessors: GetRollOverColor

RowCount

Accessors: GetRowCount

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedIndex

Accessors: GetSelectedIndex

SelectionColor

Accessors: GetSelectionColor

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextRollOverColor

Accessors: GetTextRollOverColor

TextSelectedColor

Accessors: GetTextSelectedColor

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoHide()

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoSelect(itemRenderer)

Parameters:

Name	Type	Description
itemRenderer	String	

DoShow(itemRenderer)

Parameters:

Name	Type	Description
itemRenderer	String	

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.

DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexMenuBar

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FlexMenuBar

Behavior Pattern: FlexMenuBarBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundColor		GetBackgroundColor	

<u>ClassName</u>		GetClassName	
<u>Color</u>		GetColor	
<u>CurrentState</u>		GetCurrentState	
<u>DisabledColor</u>		GetDisabledColor	
<u>Enabled</u>		GetEnabled	
<u>ErrorColor</u>		GetErrorColor	
<u>ErrorString</u>		GetErrorString	
<u>FillColors</u>		GetFillColors	
<u>FlexX</u>		GetFlexX	
<u>FlexY</u>		GetFlexY	
<u>FocusEnabled</u>		GetFocusEnabled	
<u>FontFamily</u>		GetFontFamily	
<u>FontSize</u>		GetFontSize	
<u>FontStyle</u>		GetFontStyle	
<u>FontWeight</u>		GetFontWeight	
<u>Height</u>		GetHeight	
<u>Id</u>		GetId	
<u>MouseEnabled</u>		GetMouseEnabled	
<u>NumAutomationChildren</u>		GetNumAutomationChildren	
<u>NumChildren</u>		GetNumChildren	
<u>PercentHeight</u>		GetPercentHeight	
<u>PercentWidth</u>		GetPercentWidth	
<u>RollOverColor</u>		GetRollOverColor	
<u>ScaleX</u>		GetScaleX	
<u>ScaleY</u>		GetScaleY	
<u>SelectedIndex</u>		GetSelectedIndex	
<u>SelectionColor</u>		GetSelectionColor	
<u>TabChildren</u>		GetTabChildren	
<u>TabEnabled</u>		GetTabEnabled	
<u>TabIndex</u>		GetTabIndex	
<u>TextAlign</u>		GetTextAlign	
<u>TextDecoration</u>		GetTextDecoration	
<u>TextIndent</u>		GetTextIndent	
<u>ThemeColor</u>		GetThemeColor	
<u>ToolTip</u>		GetToolTip	
<u>UseHandCursor</u>		GetUseHandCursor	
<u>Visible</u>		GetVisible	
<u>Width</u>		GetWidth	
<u>X</u>		GetX	
<u>Y</u>		GetY	

Action Summary

Action	Description
<u>DoChangeFocus</u>	
<u>DoClick</u>	
<u>DoHide</u>	
<u>DoMouseMove</u>	
<u>DoShow</u>	
<u>DoType</u>	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundColor

Accessors: GetBackgroundColor

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

Id

Accessors: GetId

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

RollOverColor

Accessors: GetRollOverColor

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedIndex

Accessors: GetSelectedIndex

SelectionColor

Accessors: GetSelectionColor

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoHide()

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoShow(itemRenderer)

Parameters:

Name	Type	Description
itemRenderer	String	

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic**Property Summary**

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.

DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click. Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
------	------	-------------

x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("{F}") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexNavigationBar

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FlexNavigationBar

Behavior Pattern: FlexNavigationBarBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
Direction		GetDirection	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	

FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HorizontalAlign		GetHorizontalAlign	
Id		GetId	
Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SelectedIndex		GetSelectedIndex	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
VerticalAlign		GetVerticalAlign	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChange	
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Direction

Accessors: GetDirection

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HorizontalAlign

Accessors: GetHorizontalAlign

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedIndex

Accessors: GetSelectedIndex

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

VerticalAlign

Accessors: GetVerticalAlign

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChange(relatedObject)

Parameters:

Name	Type	Description
relatedObject	String	

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt

		Optional, Default: 0.
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DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt

Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.
Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.

xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border

y	number	Y-coordinate of location relative to object's top border
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Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexNumericStepper

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FlexNumericStepper

Behavior Pattern: FlexNumericStepperBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
Color		GetColor	
CurrentState		GetCurrentState	
DisabledColor		GetDisabledColor	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
Id		GetId	
Maximum		GetMaximum	
Minimum		GetMinimum	
MouseEnabled		GetMouseEnabled	
NextValue		GetNextValue	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
PreviousValue		GetPreviousValue	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
StepSize		GetStepSize	

TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
TextDecoration		GetTextDecoration	
TextIndent		GetTextIndent	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Value		GetValue	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChange	
DoChangeFocus	
DoClick	
DoInput	
DoMouseMove	
DoSelectText	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Maximum

Accessors: GetMaximum

Minimum

Accessors: GetMinimum

MouseEnabled

Accessors: GetMouseEnabled

NextValue

Accessors: GetNextValue

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

PreviousValue

Accessors: GetPreviousValue

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

StepSize

Accessors: GetStepSize

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Value

Accessors: GetValue

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChange(value)

Parameters:

Name	Type	Description
value	Number	

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl

		2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
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DoInput(text)

Parameters:

Name	Type	Description
text	String	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoSelectText(beginIndex, endIndex)

Parameters:

Name	Type	Description
beginIndex	Number	
endIndex	Number	

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift

	5	flexControlAlt
	6	flexShiftAlt
	7	flexControlShiftAlt
	Optional, Default: 0.	

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexObject

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FlexObject

Behavior Pattern: FlexObjectBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	

Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
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clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexPanel

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FlexPanel

Behavior Pattern: FlexPanelBehavior**Property Summary**

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
DropShadowEnabled		GetDropShadowEnabled	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
FooterColors		GetFooterColors	
HeaderColors		GetHeaderColors	
HeaderHeight		GetHeaderHeight	
Height		GetHeight	

Id		GetId	
Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
Status		GetStatus	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
Title		GetTitle	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

DropShadowEnabled

Accessors: GetDropShadowEnabled

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

FooterColors

Accessors: GetFooterColors

HeaderColors

Accessors: GetHeaderColors

HeaderHeight

Accessors: GetHeaderHeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Status

Accessors: GetStatus

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

Title

Accessors: GetTitle

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ul style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ul style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ul style="list-style-type: none">1 flexControl2 flexShift4 flexAlt

		3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt
		Optional, Default: 0.

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.

DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click. Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexPieChart

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FlexPieChart

Behavior Pattern: FlexPieChartBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
ClipContent		GetClipContent	
CurrentState		GetCurrentState	
DataTipLayerIndex		GetDataTipLayerIndex	
DataTipMode		GetDataTipMode	
Description		GetDescription	
Enabled		GetEnabled	

ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
Height		GetHeight	
Id		GetId	
InnerRadius		GetInnerRadius	
MaximumDataTipCount		GetMaximumDataTipCount	
MouseEnabled		GetMouseEnabled	
MouseSensitivity		GetMouseSensitivity	
NumAutomationChildren		GetNumAutomationChildren	
PaddingBottom		GetPaddingBottom	
PaddingLeft		GetPaddingLeft	
PaddingRight		GetPaddingRight	
PaddingTop		GetPaddingTop	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
ShowDataTips		GetShowDataTips	
ShowDataTipTargets		GetShowDataTipTargets	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

ClipContent

Accessors: GetClipContent

CurrentState

Accessors: GetCurrentState

DataTipLayerIndex

Accessors: GetDataTipLayerIndex

DataTipMode

Accessors: GetDataTipMode

Description

Accessors: GetDescription

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

Height

Accessors: GetHeight

Id

Accessors: GetId

InnerRadius

Accessors: GetInnerRadius

MaximumDataTipCount

Accessors: GetMaximumDataTipCount

MouseEnabled

Accessors: GetMouseEnabled

MouseSensitivity

Accessors: GetMouseSensitivity

NumAutomationChildren

Accessors: GetNumAutomationChildren

PaddingBottom

Accessors: GetPaddingBottom

PaddingLeft

Accessors: GetPaddingLeft

PaddingRight

Accessors: GetPaddingRight

PaddingTop

Accessors: GetPaddingTop

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

ShowDataTips

Accessors: GetShowDataTips

ShowDataTipTargets

Accessors: GetShowDataTipTargets

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.

keyCode	String	Optional, Default: TAB.
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DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	

Y	Y-coordinate of the top left corner of the object.	GetY	
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Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexPieSeries

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FlexPieSeries

Behavior Pattern: FlexPieSeriesBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
CalloutGap		GetCalloutGap	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
ExplodeRadius		GetExplodeRadius	
Field		GetField	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontSize		GetFontSize	
Height		GetHeight	
Id		GetId	
InnerRadius		GetInnerRadius	
InsideLabelSizeLimit		GetInsideLabelSizeLimit	
LabelPosition		GetLabelPosition	
MaxLabelRadius		GetMaxLabelRadius	
MouseEnabled		GetMouseEnabled	
NameField		GetNameField	
NumAutomationChildren		GetNumAutomationChildren	
OuterRadius		GetOuterRadius	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
StartAngle		GetStartAngle	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	

DoDoubleClick	
DoItemRollOver	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

CalloutGap

Accessors: GetCalloutGap

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

ExplodeRadius

Accessors: GetExplodeRadius

Field

Accessors: GetField

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontSize

Accessors: GetFontSize

Height

Accessors: GetHeight

Id

Accessors: GetId

InnerRadius

Accessors: GetInnerRadius

InsideLabelSizeLimit

Accessors: GetInsideLabelSizeLimit

LabelPosition

Accessors: GetLabelPosition

MaxLabelRadius

Accessors: GetMaxLabelRadius

MouseEnabled

Accessors: GetMouseEnabled

NameField

Accessors: GetNameField

NumAutomationChildren

Accessors: GetNumAutomationChildren

OuterRadius

Accessors: GetOuterRadius

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

StartAngle

Accessors: GetStartAngle

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDoubleClick(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoItemRollOver(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	

BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

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FlexPlotSeries

Behavior Pattern: FlexPlotSeriesBehavior**Property Summary**

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
Radius		GetRadius	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
XField		GetXField	
Y		GetY	
YField		GetYField	

Action Summary

Action	Description
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DoChangeFocus	
DoClick	
DoDoubleClick	
DoItemRollOver	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

Radius

Accessors: GetRadius

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

XField

Accessors: GetXField

Y

Accessors: GetY

YField

Accessors: GetYField

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDoubleClick(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoItemRollOver(hitSet)

Parameters:

Name	Type	Description
hitSet	Number	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.

DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click. Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexPopUpButton

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FlexPopUpButton

Behavior Pattern: FlexPopUpButtonBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
Color		GetColor	
CurrentState		GetCurrentState	
DisabledColor		GetDisabledColor	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	

FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusAlpha		GetFocusAlpha	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
Id		GetId	
Label		GetLabel	
LabelPlacement		GetLabelPlacement	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
Selected		GetSelected	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
TextDecoration		GetTextDecoration	
TextIndent		GetTextIndent	
TextRollOverColor		GetTextRollOverColor	
TextSelectedColor		GetTextSelectedColor	
ThemeColor		GetThemeColor	
Toggle		GetToggle	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoClose	
DoMouseMove	
DoOpen	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusAlpha

Accessors: GetFocusAlpha

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Label

Accessors: GetLabel

LabelPlacement

Accessors: GetLabelPlacement

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Selected

Accessors: GetSelected

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

TextRollOverColor

Accessors: GetTextRollOverColor

TextSelectedColor

Accessors: GetTextSelectedColor

ThemeColor

Accessors: GetThemeColor

Toggle

Accessors: GetToggle

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoClose(triggerEvent)

Parameters:

Name	Type	Description
triggerEvent	Number	<p>FlexTriggerEventValues</p> <ol style="list-style-type: none">1 flexMouse2 flexKeyboard <p>Optional, Default: 1.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift

		4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
--	--	---

DoOpen(triggerEvent)

Parameters:

Name	Type	Description
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	Optional, Default: SPACE.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexProgressBar

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FlexProgressBar

Behavior Pattern: FlexProgressBarBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BarColor		GetBarColor	
BorderColor		GetBorderColor	
ClassName		GetClassName	
Color		GetColor	
Conversion		GetConversion	
CurrentState		GetCurrentState	
Direction		GetDirection	
DisabledColor		GetDisabledColor	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
Id		GetId	
Indeterminate		GetIndeterminate	
Label		GetLabel	
LabelPlacement		GetLabelPlacement	
LabelWidth		GetLabelWidth	
Maximum		GetMaximum	
Minimum		GetMinimum	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentComplete		GetPercentComplete	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
TextDecoration		GetTextDecoration	
TextIndent		GetTextIndent	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Value		GetValue	

Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BarColor

Accessors: GetBarColor

BorderColor

Accessors: GetBorderColor

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

Conversion

Accessors: GetConversion

CurrentState

Accessors: GetCurrentState

Direction

Accessors: GetDirection

DisabledColor

Accessors: GetDisabledColor

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Indeterminate

Accessors: GetIndeterminate

Label

Accessors: GetLabel

LabelPlacement

Accessors: GetLabelPlacement

LabelWidth

Accessors: GetLabelWidth

Maximum

Accessors: GetMaximum

Minimum

Accessors: GetMinimum

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentComplete

Accessors: GetPercentComplete

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Value

Accessors: GetValue

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift

		4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
--	--	---

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.

DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexRadioButton

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FlexRadioButton

Behavior Pattern: FlexRadioButtonBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
Color		GetColor	

CurrentState		GetCurrentState	
DisabledColor		GetDisabledColor	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusAlpha		GetFocusAlpha	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
GroupName		GetGroupName	
Height		GetHeight	
Id		GetId	
Label		GetLabel	
LabelPlacement		GetLabelPlacement	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
Selected		GetSelected	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextAlign		GetTextAlign	
TextDecoration		GetTextDecoration	
TextIndent		GetTextIndent	
TextRollOverColor		GetTextRollOverColor	
TextSelectedColor		GetTextSelectedColor	
ThemeColor		GetThemeColor	
Toggle		GetToggle	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusAlpha

Accessors: GetFocusAlpha

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

GroupName

Accessors: GetGroupName

Height

Accessors: GetHeight

Id

Accessors: GetId

Label

Accessors: GetLabel

LabelPlacement

Accessors: GetLabelPlacement

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Selected

Accessors: GetSelected

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextAlign

Accessors: GetTextAlign

TextDecoration

Accessors: GetTextDecoration

TextIndent

Accessors: GetTextIndent

TextRollOverColor

Accessors: GetTextRollOverColor

TextSelectedColor

Accessors: GetTextSelectedColor

ThemeColor

Accessors: GetThemeColor

Toggle

Accessors: GetToggle

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt

Optional, Default: 0.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	Optional, Default: SPACE.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.

DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click. Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
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Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexRepeater

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FlexRepeater

Behavior Pattern: FlexRepeaterBehavior

Property Summary

Property	Description	Getter	Setter
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
Count		GetCount	
Id		GetId	

Property Detail

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

Count

Accessors: GetCount

Id

Accessors: GetId

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
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path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexRule

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FlexRule

Behavior Pattern: FlexRuleBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
Color		GetColor	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	

ScaleX		GetScaleX	
ScaleY		GetScaleY	
StrokeWidth		GetStrokeWidth	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

StrokeWidth

Accessors: GetStrokeWidth

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.

DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click. Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
------	------	-------------

x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexScrollBar

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FlexScrollBar

Behavior Pattern: FlexScrollBarBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	

Height		GetHeight	
Id		GetId	
LineScrollSize		GetLineScrollSize	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PageScrollSize		GetPageScrollSize	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
ScrollPosition		GetScrollPosition	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
TrackColors		GetTrackColors	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	
DoScroll	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

LineScrollSize

Accessors: GetLineScrollSize

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PageScrollSize

Accessors: GetPageScrollSize

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

ScrollPosition

Accessors: GetScrollPosition

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

TrackColors

Accessors: GetTrackColors

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight

	4	flexAtTop
	5	flexLineDown
	6	flexLineLeft
	7	flexLineRight
	8	flexLineUp
	9	flexPageDown
	10	flexPageLeft
	11	flexPageRight
	12	flexPageUp
	13	flexThumbPosition
	14	flexThumbTrack
	Optional, Default: null.	

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
------	------	-------------

path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexScrollBase

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FlexScrollBase

Behavior Pattern: FlexScrollBaseBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	

ScaleY		GetScaleY	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	
DoMouseScroll	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	

		Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt
		Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.

DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click. Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
------	------	-------------

x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexSlider

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FlexSlider

Behavior Pattern: FlexSliderBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
DataTipPrecision		GetDataTipPrecision	
Direction		GetDirection	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillColors		GetFillColors	
FlexX		GetFlexX	

FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
Labels		GetLabels	
LabelStyleName		GetLabelStyleName	
LiveDragging		GetLiveDragging	
Maximum		GetMaximum	
Minimum		GetMinimum	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SnapInterval		GetSnapInterval	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ThumbCount		GetThumbCount	
TickColor		GetTickColor	
TickLength		GetTickLength	
TickThickness		GetTickThickness	
ToolTip		GetToolTip	
ToolTipShow		GetToolTipShow	
TrackColors		GetTrackColors	
UseHandCursor		GetUseHandCursor	
Value		GetValue	
Values		GetValues	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChange	
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

DataTipPrecision

Accessors: GetDataTipPrecision

Direction

Accessors: GetDirection

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

Labels

Accessors: GetLabels

LabelStyleName

Accessors: GetLabelStyleName

LiveDragging

Accessors: GetLiveDragging

Maximum

Accessors: GetMaximum

Minimum

Accessors: GetMinimum

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SnapInterval

Accessors: GetSnapInterval

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ThumbCount

Accessors: GetThumbCount

TickColor

Accessors: GetTickColor

TickLength

Accessors: GetTickLength

TickThickness

Accessors: GetTickThickness

ToolTip

Accessors: GetToolTip

ToolTipShow

Accessors: GetToolTipShow

TrackColors

Accessors: GetTrackColors

UseHandCursor

Accessors: GetUseHandCursor

Value

Accessors: GetValue

Values

Accessors: GetValues

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChange(value, thumbIndex, clickTarget, triggerEvent, keyCode)

Parameters:

Name	Type	Description
value	Number	
thumbIndex	Number	Optional, Default: 0.
clickTarget	String	Optional, Default: thumb.
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.
keyCode	String	Optional.

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt

	7	flexControlShiftAlt
		Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
 Accessors: GetClass

Height

Height of the object.
 Accessors: GetHeight

Name

Name of the object.
 Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
 Accessors: GetObjectType

State

State of the object.
 Accessors: GetState

Value

Value of the object.
 Accessors: GetValue, SetValue

Width

Width of the object.
 Accessors: GetWidth

WindowText

Window text of the object.
 Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
 Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
 Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner. Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
------	------	-------------

x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexTabNavigator

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FlexTabNavigator

Behavior Pattern: FlexTabNavigatorBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HorizontalAlign		GetHorizontalAlign	
HorizontalGap		GetHorizontalGap	

Id		GetId	
Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SelectedChild		GetSelectedChild	
SelectedIndex		GetSelectedIndex	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabHeight		GetTabHeight	
TabIndex		GetTabIndex	
TabWidth		GetTabWidth	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChange	
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HorizontalAlign

Accessors: GetHorizontalAlign

HorizontalGap

Accessors: GetHorizontalGap

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedChild

Accessors: GetSelectedChild

SelectedIndex

Accessors: GetSelectedIndex

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabHeight

Accessors: GetTabHeight

TabIndex

Accessors: GetTabIndex

TabWidth

Accessors: GetTabWidth

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChange(relatedObject)

Parameters:

Name	Type	Description
relatedObject	String	

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail**DoAction()**

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.

yOffset	number	X offset to click within object. Default is a center. Optional.
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Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("{F}") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexTextArea

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FlexTextArea

Behavior Pattern: FlexTextAreaBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
Color		GetColor	
CurrentState		GetCurrentState	
DisabledColor		GetDisabledColor	
DisplayAsPassword		GetDisplayAsPassword	
Editable		GetEditable	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HorizontalScrollPolicy		GetHorizontalScrollPolicy	
HtmlText		GetHtmlText	
Id		GetId	
Length		GetLength	
MaxChars		GetMaxChars	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
Restrict		GetRestrict	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
Selection		GetSelection	

TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
Text		GetText	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Width		GetWidth	
WordWrap		GetWordWrap	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoInput	
DoMouseMove	
DoMouseScroll	
DoScroll	
DoSelectText	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

Color

Accessors: GetColor

CurrentState

Accessors: GetCurrentState

DisabledColor

Accessors: GetDisabledColor

DisplayAsPassword

Accessors: GetDisplayAsPassword

Editable

Accessors: GetEditable

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HorizontalScrollPolicy

Accessors: GetHorizontalScrollPolicy

HtmlText

Accessors: GetHtmlText

Id

Accessors: GetId

Length

Accessors: GetLength

MaxChars

Accessors: GetMaxChars

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

Restrict

Accessors: GetRestrict

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Selection

Accessors: GetSelection

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

Text

Accessors: GetText

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

WordWrap

Accessors: GetWordWrap

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoInput(text)

Parameters:

Name	Type	Description
text	String	

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight

		12 flexPageUp
		13 flexThumbPosition
		14 flexThumbTrack
		Optional, Default: null.

DoSelectText(beginIndex, endIndex)

Parameters:

Name	Type	Description
beginIndex	Number	
endIndex	Number	

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.

DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

--	--

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexTitleWindow

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FlexTitleWindow

Behavior Pattern: FlexTitleWindowBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	

<u>AutomationClassName</u>	GetAutomationClassName
<u>AutomationIndex</u>	GetAutomationIndex
<u>AutomationName</u>	GetAutomationName
<u>BackgroundAlpha</u>	GetBackgroundAlpha
<u>BackgroundColor</u>	GetBackgroundColor
<u>BackgroundDisabledColor</u>	GetBackgroundDisabledColor
<u>BackgroundImage</u>	GetBackgroundImage
<u>BackgroundSize</u>	GetBackgroundSize
<u>ClassName</u>	GetClassName
<u>CreationIndex</u>	GetCreationIndex
<u>CreationPolicy</u>	GetCreationPolicy
<u>CurrentState</u>	GetCurrentState
<u>DropShadowEnabled</u>	GetDropShadowEnabled
<u>Enabled</u>	GetEnabled
<u>ErrorColor</u>	GetErrorColor
<u>ErrorString</u>	GetErrorString
<u>FillAlphas</u>	GetFillAlphas
<u>FillColors</u>	GetFillColors
<u>FlexX</u>	GetFlexX
<u>FlexY</u>	GetFlexY
<u>FocusEnabled</u>	GetFocusEnabled
<u>FontFamily</u>	GetFontFamily
<u>FontSize</u>	GetFontSize
<u>FontStyle</u>	GetFontStyle
<u>FontWeight</u>	GetFontWeight
<u>FooterColors</u>	GetFooterColors
<u>HeaderColors</u>	GetHeaderColors
<u>HeaderHeight</u>	GetHeaderHeight
<u>Height</u>	GetHeight
<u>Id</u>	GetId
<u>Label</u>	GetLabel
<u>MouseEnabled</u>	GetMouseEnabled
<u>NumAutomationChildren</u>	GetNumAutomationChildren
<u>NumChildren</u>	GetNumChildren
<u>PercentHeight</u>	GetPercentHeight
<u>PercentWidth</u>	GetPercentWidth
<u>ScaleX</u>	GetScaleX
<u>ScaleY</u>	GetScaleY
<u>ShowCloseButton</u>	GetShowCloseButton
<u>Status</u>	GetStatus
<u>TabChildren</u>	GetTabChildren
<u>TabEnabled</u>	GetTabEnabled
<u>TabIndex</u>	GetTabIndex
<u>ThemeColor</u>	GetThemeColor
<u>Title</u>	GetTitle
<u>ToolTip</u>	GetToolTip
<u>UseHandCursor</u>	GetUseHandCursor
<u>Visible</u>	GetVisible
<u>Width</u>	GetWidth
<u>X</u>	GetX
<u>Y</u>	GetY

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

DropShadowEnabled

Accessors: GetDropShadowEnabled

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

FooterColors

Accessors: GetFooterColors

HeaderColors

Accessors: GetHeaderColors

HeaderHeight

Accessors: GetHeaderHeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

ShowCloseButton

Accessors: GetShowCloseButton

Status

Accessors: GetStatus

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

Title

Accessors: GetTitle

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	1 FlexKeyModifierValues flexControl

		2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
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DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt

		6 flexShiftAlt
		7 flexControlShiftAlt
		Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition

	14 flexThumbTrack
	Optional, Default: null.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
 Accessors: GetClass

Height

Height of the object.
 Accessors: GetHeight

Name

Name of the object.
 Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
 Accessors: GetObjectType

State

State of the object.
 Accessors: GetState

Value

Value of the object.
 Accessors: GetValue, SetValue

Width

Width of the object.
 Accessors: GetWidth

WindowText

Window text of the object.
 Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.
 Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
 Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
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x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexToggleButtonBar

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FlexToggleButtonBar

Behavior Pattern: FlexToggleButtonBarBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundAlpha		GetBackgroundAlpha	
BackgroundColor		GetBackgroundColor	
BackgroundDisabledColor		GetBackgroundDisabledColor	
BackgroundImage		GetBackgroundImage	
BackgroundSize		GetBackgroundSize	
ClassName		GetClassName	
CreationIndex		GetCreationIndex	
CreationPolicy		GetCreationPolicy	
CurrentState		GetCurrentState	
Direction		GetDirection	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FillAlphas		GetFillAlphas	
FillColors		GetFillColors	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusEnabled		GetFocusEnabled	
FontFamily		GetFontFamily	
FontSize		GetFontSize	
FontStyle		GetFontStyle	
FontWeight		GetFontWeight	
Height		GetHeight	
HorizontalAlign		GetHorizontalAlign	

Id		GetId	
Label		GetLabel	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
NumChildren		GetNumChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
SelectedIndex		GetSelectedIndex	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
VerticalAlign		GetVerticalAlign	
Visible		GetVisible	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChange	
DoChangeFocus	
DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Direction

Accessors: GetDirection

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

HorizontalAlign

Accessors: GetHorizontalAlign

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedIndex

Accessors: GetSelectedIndex

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

VerticalAlign

Accessors: GetVerticalAlign

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChange(relatedObject)

Parameters:

Name	Type	Description
relatedObject	String	

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	FlexKeyModifierValues

		1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.
--	--	---

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	

Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
------	------	-------------

x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexTree

Behavior Pattern: FlexTreeBehavior**Property Summary**

Property	Description	Getter	Setter
AllowMultipleSelection		GetAllowMultipleSelection	
Alpha		GetAlpha	
AlternatingRowColors		GetAlternatingRowColors	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
BackgroundDisabledColor		GetBackgroundDisabledColor	
ClassName		GetClassName	
ColumnCount		GetColumnCount	
ColumnWidth		GetColumnWidth	
CurrentState		GetCurrentState	
DataTipField		GetDataTipField	
DepthColors		GetDepthColors	
Editable		GetEditable	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	
FocusAlpha		GetFocusAlpha	
FocusEnabled		GetFocusEnabled	
Height		GetHeight	
IconField		GetIconField	
Id		GetId	
Indentation		GetIndentation	
LabelField		GetLabelField	
LockedColumnCount		GetLockedColumnCount	
LockedRowCount		GetLockedRowCount	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
RollOverColor		GetRollOverColor	
RowCount		GetRowCount	
RowHeight		GetRowHeight	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
Selectable		GetSelectable	
SelectedIndex		GetSelectedIndex	
SelectedIndices		GetSelectedIndices	
SelectedItem		GetSelectedItem	
SelectedItems		GetSelectedItems	

SelectionColor		GetSelectionColor	
SelectionDisabledColor		GetSelectionDisabledColor	
ShowDataTips		GetShowDataTips	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
TextDisabledColor		GetTextDisabledColor	
TextRollOverColor		GetTextRollOverColor	
TextSelectedColor		GetTextSelectedColor	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
UseHandCursor		GetUseHandCursor	
UseRollOver		GetUseRollOver	
VariableRowHeight		GetVariableRowHeight	
VerticalAlign		GetVerticalAlign	
Visible		GetVisible	
Width		GetWidth	
WordWrap		GetWordWrap	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoClose	
DoDeselect	
DoDoubleClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoMultiSelect	
DoOpen	
DoScroll	
DoSelect	
DoType	

Property Detail

AllowMultipleSelection

Accessors: GetAllowMultipleSelection

Alpha

Accessors: GetAlpha

AlternatingRowColors

Accessors: GetAlternatingRowColors

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

ClassName

Accessors: GetClassName

ColumnCount

Accessors: GetColumnCount

ColumnWidth

Accessors: GetColumnWidth

CurrentState

Accessors: GetCurrentState

DataTipField

Accessors: GetDataTipField

DepthColors

Accessors: GetDepthColors

Editable

Accessors: GetEditable

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusAlpha

Accessors: GetFocusAlpha

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

IconField

Accessors: GetIconField

Id

Accessors: GetId

Indentation

Accessors: GetIndentation

LabelField

Accessors: GetLabelField

LockedColumnCount

Accessors: GetLockedColumnCount

LockedRowCount

Accessors: GetLockedRowCount

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

RollOverColor

Accessors: GetRollOverColor

RowCount

Accessors: GetRowCount

RowHeight

Accessors: GetRowHeight

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Selectable

Accessors: GetSelectable

SelectedIndex

Accessors: GetSelectedIndex

SelectedIndices

Accessors: GetSelectedIndices

SelectedItem

Accessors: GetSelectedItem

SelectedItems

Accessors: GetSelectedItems

SelectionColor

Accessors: GetSelectionColor

SelectionDisabledColor

Accessors: GetSelectionDisabledColor

ShowDataTips

Accessors: GetShowDataTips

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

TextDisabledColor

Accessors: GetTextDisabledColor

TextRollOverColor

Accessors: GetTextRollOverColor

TextSelectedColor

Accessors: GetTextSelectedColor

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

UseRollOver

Accessors: GetUseRollOver

VariableRowHeight

Accessors: GetVariableRowHeight

VerticalAlign

Accessors: GetVerticalAlign

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

WordWrap

Accessors: GetWordWrap

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoClose(itemRenderer, triggerEvent)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	<p>FlexTriggerEventValues</p> <ol style="list-style-type: none">1 flexMouse2 flexKeyboard <p>Optional, Default: 1.</p>

DoDeselect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	<p>FlexTriggerEventValues</p> <ol style="list-style-type: none">1 flexMouse2 flexKeyboard <p>Optional, Default: 1.</p>
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDoubleClick(itemRenderer)

Parameters:

Name	Type	Description
itemRenderer	String	

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt

Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoMultiSelect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	<p>FlexTriggerEventValues</p> <ol style="list-style-type: none">1 flexMouse2 flexKeyboard <p>Optional, Default: 1.</p>
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoOpen(itemRenderer, triggerEvent)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

DoSelect(itemRenderer, triggerEvent, keyModifier)

Parameters:

Name	Type	Description
itemRenderer	String	
triggerEvent	Number	FlexTriggerEventValues 1 flexMouse 2 flexKeyboard Optional, Default: 1.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt

	7	flexControlShiftAlt
		Optional, Default: 0.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.

DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.

Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).

Accessors: GetBWBitmap

Class

Class of the object.

Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	Y offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexVideoDisplay

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FlexVideoDisplay

Behavior Pattern: FlexVideoDisplayBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	
AutomationClassName		GetAutomationClassName	
AutomationIndex		GetAutomationIndex	
AutomationName		GetAutomationName	
ClassName		GetClassName	
CurrentState		GetCurrentState	
Enabled		GetEnabled	
ErrorColor		GetErrorColor	
ErrorString		GetErrorString	
FlexX		GetFlexX	
FlexY		GetFlexY	

FocusEnabled		GetFocusEnabled	
Height		GetHeight	
Id		GetId	
MouseEnabled		GetMouseEnabled	
NumAutomationChildren		GetNumAutomationChildren	
PercentHeight		GetPercentHeight	
PercentWidth		GetPercentWidth	
ScaleX		GetScaleX	
ScaleY		GetScaleY	
Source		GetSource	
TabChildren		GetTabChildren	
TabEnabled		GetTabEnabled	
TabIndex		GetTabIndex	
ThemeColor		GetThemeColor	
ToolTip		GetToolTip	
TotalTime		GetTotalTime	
UseHandCursor		GetUseHandCursor	
Visible		GetVisible	
Volume		GetVolume	
Width		GetWidth	
X		GetX	
Y		GetY	

Action Summary

Action	Description
DoChangeFocus	
DoClick	
DoMouseMove	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

ClassName

Accessors: GetClassName

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

Height

Accessors: GetHeight

Id

Accessors: GetId

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

Source

Accessors: GetSource

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

TotalTime

Accessors: GetTotalTime

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Volume

Accessors: GetVolume

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
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DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.
Accessors: GetObjectType

State

State of the object.
Accessors: GetState

Value

Value of the object.
Accessors: GetValue, SetValue

Width

Width of the object.
Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

FlexViewStack

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FlexViewStack

Behavior Pattern: FlexViewStackBehavior

Property Summary

Property	Description	Getter	Setter
Alpha		GetAlpha	

AutomationClassName	GetAutomationClassName
AutomationIndex	GetAutomationIndex
AutomationName	GetAutomationName
BackgroundAlpha	GetBackgroundAlpha
BackgroundColor	GetBackgroundColor
BackgroundDisabledColor	GetBackgroundDisabledColor
BackgroundImage	GetBackgroundImage
BackgroundSize	GetBackgroundSize
ClassName	GetClassName
CreationIndex	GetCreationIndex
CreationPolicy	GetCreationPolicy
CurrentState	GetCurrentState
Enabled	GetEnabled
ErrorColor	GetErrorColor
ErrorString	GetErrorString
FillAlphas	GetFillAlphas
FillColors	GetFillColors
FlexX	GetFlexX
FlexY	GetFlexY
FocusEnabled	GetFocusEnabled
FontFamily	GetFontFamily
FontSize	GetFontSize
FontStyle	GetFontStyle
FontWeight	GetFontWeight
Height	GetHeight
Id	GetId
Label	GetLabel
MouseEnabled	GetMouseEnabled
NumAutomationChildren	GetNumAutomationChildren
NumChildren	GetNumChildren
PercentHeight	GetPercentHeight
PercentWidth	GetPercentWidth
ScaleX	GetScaleX
ScaleY	GetScaleY
SelectedChild	GetSelectedChild
SelectedIndex	GetSelectedIndex
TabChildren	GetTabChildren
TabEnabled	GetTabEnabled
TabIndex	GetTabIndex
ThemeColor	GetThemeColor
ToolTip	GetToolTip
UseHandCursor	GetUseHandCursor
Visible	GetVisible
Width	GetWidth
X	GetX
Y	GetY

Action Summary

Action	Description
DoChangeFocus	

DoClick	
DoDragCancel	
DoDragDrop	
DoDragStart	
DoMouseMove	
DoMouseScroll	
DoScroll	
DoType	

Property Detail

Alpha

Accessors: GetAlpha

AutomationClassName

Accessors: GetAutomationClassName

AutomationIndex

Accessors: GetAutomationIndex

AutomationName

Accessors: GetAutomationName

BackgroundAlpha

Accessors: GetBackgroundAlpha

BackgroundColor

Accessors: GetBackgroundColor

BackgroundDisabledColor

Accessors: GetBackgroundDisabledColor

BackgroundImage

Accessors: GetBackgroundImage

BackgroundSize

Accessors: GetBackgroundSize

ClassName

Accessors: GetClassName

CreationIndex

Accessors: GetCreationIndex

CreationPolicy

Accessors: GetCreationPolicy

CurrentState

Accessors: GetCurrentState

Enabled

Accessors: GetEnabled

ErrorColor

Accessors: GetErrorColor

ErrorString

Accessors: GetErrorString

FillAlphas

Accessors: GetFillAlphas

FillColors

Accessors: GetFillColors

FlexX

Accessors: GetFlexX

FlexY

Accessors: GetFlexY

FocusEnabled

Accessors: GetFocusEnabled

FontFamily

Accessors: GetFontFamily

FontSize

Accessors: GetFontSize

FontStyle

Accessors: GetFontStyle

FontWeight

Accessors: GetFontWeight

Height

Accessors: GetHeight

Id

Accessors: GetId

Label

Accessors: GetLabel

MouseEnabled

Accessors: GetMouseEnabled

NumAutomationChildren

Accessors: GetNumAutomationChildren

NumChildren

Accessors: GetNumChildren

PercentHeight

Accessors: GetPercentHeight

PercentWidth

Accessors: GetPercentWidth

ScaleX

Accessors: GetScaleX

ScaleY

Accessors: GetScaleY

SelectedChild

Accessors: GetSelectedChild

SelectedIndex

Accessors: GetSelectedIndex

TabChildren

Accessors: GetTabChildren

TabEnabled

Accessors: GetTabEnabled

TabIndex

Accessors: GetTabIndex

ThemeColor

Accessors: GetThemeColor

ToolTip

Accessors: GetToolTip

UseHandCursor

Accessors: GetUseHandCursor

Visible

Accessors: GetVisible

Width

Accessors: GetWidth

X

Accessors: GetX

Y

Accessors: GetY

Action Detail

DoChangeFocus(shiftKey, keyCode)

Parameters:

Name	Type	Description
shiftKey	Boolean	Optional, Default: false.
keyCode	String	Optional, Default: TAB.

DoClick(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

DoDragCancel(keyModifier)

Parameters:

Name	Type	Description
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt

Optional, Default: 0.

DoDragDrop(action, draggedItem, keyModifier)

Parameters:

Name	Type	Description
action	String	
draggedItem	String	Optional.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoDragStart(draggedItem, keyModifier)

Parameters:

Name	Type	Description
draggedItem	String	
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseMove(localX, localY, keyModifier)

Parameters:

Name	Type	Description
localX	Number	Optional, Default: 0.
localY	Number	Optional, Default: 0.
keyModifier	Number	<p>FlexKeyModifierValues</p> <ol style="list-style-type: none">1 flexControl2 flexShift4 flexAlt3 flexControlShift5 flexControlAlt6 flexShiftAlt7 flexControlShiftAlt <p>Optional, Default: 0.</p>

DoMouseScroll(delta)

Parameters:

Name	Type	Description
delta	Number	Optional, Default: 0.

DoScroll(position, direction, detail)

Parameters:

Name	Type	Description
position	Number	
direction	Number	FlexScrollDirectionValues 1 flexScrollHorizontal 2 flexScrollVertical
detail	Number	FlexScrollDetailValues 1 flexAtBottom 2 flexAtLeft 3 flexAtRight 4 flexAtTop 5 flexLineDown 6 flexLineLeft 7 flexLineRight 8 flexLineUp 9 flexPageDown 10 flexPageLeft 11 flexPageRight 12 flexPageUp 13 flexThumbPosition 14 flexThumbTrack Optional, Default: null.

DoType(keyCode, keyModifier)

Parameters:

Name	Type	Description
keyCode	String	
keyModifier	Number	FlexKeyModifierValues 1 flexControl 2 flexShift 4 flexAlt 3 flexControlShift 5 flexControlAlt 6 flexShiftAlt 7 flexControlShiftAlt Optional, Default: 0.

Behavior Pattern: Win32Generic

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	
BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.

Accessors: GetHeight

Name

Name of the object.

Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center.

		Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

DXButtonEdit

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DevXpress ButtonEdit. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXCalcEdit

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DevXpress CalcEdit. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXCheckBox

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DevExpress CheckButton. Extends [ManagedObject](#).

Behavior Pattern: DXCheckBoxBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

DXCheckedComboBoxEdit

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DevExpress CheckedComboBoxEdit. Extends [ManagedObject](#).

Behavior Pattern: DXCheckedComboBoxEditBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXCheckEdit

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DevExpress CheckEdit. Extends [ManagedObject](#).

Behavior Pattern: DXCheckButtonBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

DXCheckedListBoxControl

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DevExpress CheckedListBoxControl. Extends [ManagedObject](#).

Behavior Pattern: DXCheckedListBoxControlBehavior

Property Summary

Property	Description	Getter	Setter
CheckedCount	Returns number of checked items in ListView.	GetCheckedCount	
CheckedIndices	Array of indices of checked elements.	GetCheckedIndices	
CheckedItems	Array of item names of checked elements.	GetCheckedItems	
ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectedText	Text of the selected item in a single string.	GetSelectedText	
SelectionCount	Number of selected items.	GetSelectionCount	

Action Summary

Action	Description
DoAddSelection	Extends selection.

DoCheckItem	Checks items of this object.
DoClearSelection	Clears selection.
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.
DoSetCheck	Sets 'checked' state of the specified node.

Property Detail

CheckedCount

Returns number of checked items in ListView.

Accessors: GetCheckedCount

CheckedIndices

Array of indices of checked elements.

Accessors: GetCheckedIndices

CheckedItems

Array of item names of checked elements.

Accessors: GetCheckedItems

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
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items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoCheckItem(items, separator, itemsType)

Checks items of this object.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()

Clears selection.

Returns:

'true' if success, 'false' otherwise.

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSetCheck(bcheck, items, separator, itemsType)

Sets 'checked' state of the specified node.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DXColorEdit

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DevXpress ColorEdit. Extends [ManagedObject](#).

Behavior Pattern: DXColorEditBehavior

Property Summary

Property	Description	Getter	Setter
SelectedColor	Selected color of the object	GetSelectedColor	SetSelectedColor
SelectedText	Text of the selected item in a single string.	GetSelectedText	SetSelectedText

Text	Text of the object, 'false' if text can not be read.	GetText	SetText
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Action Summary

Action	Description
DoSelectColor	Selects a color.
DoSetText	Sets text value of this object.

Property Detail

SelectedColor

Selected color of the object

Accessors: [GetSelectedColor](#), [SetSelectedColor](#)

SelectedText

Text of the selected item in a single string.

Accessors: [GetSelectedText](#), [SetSelectedText](#)

Text

Text of the object, 'false' if text can not be read.

Accessors: [GetText](#), [SetText](#)

Action Detail

DoSelectColor(val)

Selects a color.

Parameters:

Name	Type	Description
val	struct	structure with three fields '{R, G, B}'.

Returns:

'true' if successfule, 'false' otherwise

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXComboBoxEdit

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DevXpress ComboBoxEdit. Extends [ManagedObject](#).

Behavior Pattern: DXComboBoxEditBehavior

Property Summary

Property	Description	Getter	Setter
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedText	Text of the selected item in a single string.	GetSelectedText	SetSelectedText
Text	Text of the selected item in a single string.	GetText	SetText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.
DoSetText	Sets text value of this object.

Property Detail

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText, SetSelectedText

Text

Text of the selected item in a single string.

Accessors: GetText, SetText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DevExpress DateEdit. Extends [ManagedObject](#).

Behavior Pattern: DXDateEditBehavior

Property Summary

Property	Description	Getter	Setter
Month	Current month displayed by the date picker.	GetMonth	

Action Summary

Action	Description
DoNextMonth	Clicks on 'Next Month' selector.
DoPrevMonth	Clicks on 'Previous Month' selector.
DoSelectDate	Selects specific date in the date picker.

Property Detail

Month

Current month displayed by the date picker.

Accessors: GetMonth

Action Detail

DoNextMonth()

Clicks on 'Next Month' selector.

Returns:

'true' if success, 'false' otherwise

DoPrevMonth()

Clicks on 'Previous Month' selector.

Returns:

'true' if success, 'false' otherwise

DoSelectDate(day, month, year)

Selects specific date in the date picker.

Parameters:

Name	Type	Description
day	number	Day to set
month	number	Month to set
year	number	Year to set

Returns:

'true' if success, 'false' otherwise

DevXpress Docked Bar. Extends [ManagedObject](#).

Behavior Pattern: DXBarControlBehavior

Property Summary

Property	Description	Getter	Setter
Item	Caption of the item specified by index	GetItem	
ItemCount	Number of items.	GetItemCount	

Action Summary

Action	Description
DoClickItem	Performs Click on the navigation item

Property Detail

Item

Caption of the item specified by index

Accessors: GetItem

ItemCount

Number of items.

Accessors: GetItemCount

Action Detail

DoClickItem(nameCaptionIndex, xOffset, yOffset)

Performs Click on the navigation item

Parameters:

Name	Type	Description
nameCaptionIndex	string number	index, name or caption of the item to be selected.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if successful, 'false' otherwise.

DXDropDownButton

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DevXpress DropDownButton. Extends [ManagedObject](#).

Behavior Pattern: DXDropDownButtonBehavior

Action Summary

Action	Description
DoShowPopup	Show popup

Action Detail

DoShowPopup()

Show popup

DXFontEdit

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DevXpress FontEdit. Extends [ManagedObject](#).

Behavior Pattern: DXFontEditBehavior

Property Summary

Property	Description	Getter	Setter
SelectedText	Text of the selected item in a single string.	GetSelectedText	SetSelectedText
Text	Text of the selected item in a single string.	GetText	SetText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.

Property Detail

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText, SetSelectedText

Text

Text of the selected item in a single string.

Accessors: GetText, SetText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

DXGridControl

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DevXpress GridControl. Extends [ManagedObject](#).

Behavior Pattern: DXGridControlBehavior

Property Summary

Property	Description	Getter	Setter
Cell	Text of the specified cell.	GetCell	
ColumnCount	Number of columns in the table.	GetColumnCount	
ColumnName	Caption of a column.	GetColumnName	
RowCount	Number of rows in the table.	GetRowCount	
Text	Text of the currently focused cell.	GetText	

Action Summary

Action	Description
DoClickCell	Clicks the specified cell
DoFullText	Full text of the table (may be very long!).

Property Detail

Cell

Text of the specified cell.

Accessors: GetCell

ColumnCount

Number of columns in the table.

Accessors: GetColumnCount

ColumnName

Caption of a column.

Accessors: GetColumnName

RowCount

Number of rows in the table.

Accessors: GetRowCount

Text

Text of the currently focused cell.

Accessors: GetText

Action Detail

DoClickCell(row, col, clickType, xOffset, yOffset)

Clicks the specified cell

Parameters:

Name	Type	Description
row	number	Zero-based index if the row.
col	number	Zero-based index of the column.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center. Optional.

Returns:

'true' if successful, 'false' otherwise

DoFullText()

Full text of the table (may be very long!).

Returns:

Table's full text

DXHyperLinkEdit

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DevXpress HyperLinkEdit. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectGenericBehavior

Property Summary

Property	Description	Getter	Setter
ControlType	Type of the object.	GetControlType	
Height	Height of the object.	GetHeight	
Width	Width of the object.	GetWidth	
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoDumpWidget	Dumps Spy data for the object.
DoGetWidgetProperty	Returns the value of a property with a given name.

Property Detail

ControlType

Type of the object.

Accessors: GetControlType

Height

Height of the object.

Accessors: GetHeight

Width

Width of the object.

Accessors: GetWidth

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoDumpWidget(dumpProperties, maxDepth, trimValue, indent, filePath, append, ignoreProps)

Dumps Spy data for the object.

Parameters:

Name	Type	Description
dumpProperties	boolean	If 'true' then includes properties to the result. Optional, Default: false.
maxDepth	number	Determines max recursion depth. If '0' then dumps current object only, if '1' - dumps direct children as well, etc. If '-1' then dumps the whole subtree of objects. Optional, Default: 0.
trimValue	number	Determines maximum length of a property value. Excess characters are truncated. Optional, Default: 256.
indent	string	Indentation string for child objects and properties. Optional, Default: \.
filePath	string	If 'filePath' is set then outputs result to corresponding file. Optional.
append	boolean	If 'true' then file should be overwritten, if 'false' then data should be appended. Optional, Default: false.
ignoreProps	Array	Contains the names of the properties which must be ignored when writing into a file. Optional, Default: undefined.

Returns:

Object data if 'filePath' is not set, 'true' if file write succeeded, 'false' - otherwise.

DoGetWidgetProperty(name)

Returns the value of a property with a given name. Names of available properties can be seen in Spy.

Parameters:

Name	Type	Description
name	string	Property name.

Returns:

Property value if successful, an empty string if the property can not be found.

DXImageComboBoxEdit

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DevExpress ImageComboBoxEdit. Extends [ManagedObject](#).

Behavior Pattern: DXComboBoxEditBehavior

Property Summary

Property	Description	Getter	Setter
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedText	Text of the selected item in a single string.	GetSelectedText	SetSelectedText
Text	Text of the selected item in a single string.	GetText	SetText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.
DoSetText	Sets text value of this object.

Property Detail

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText, SetSelectedText

Text

Text of the selected item in a single string.

Accessors: GetText, SetText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXImageEdit

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DevXpress ImageEdit. Extends [ManagedObject](#).

Behavior Pattern: DXImageEditBehavior

Property Summary

Property	Description	Getter	Setter
Image	'true' if there is image loaded into the editor, 'false' otherwise.	GetImage	

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Image

'true' if there is image loaded into the editor, 'false' otherwise.

Accessors: GetImage

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXImageListBoxControl

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DevExpress ImageListBoxControl. Extends [ManagedObject](#).

Behavior Pattern: DXListBoxControlBehavior

Property Summary

Property	Description	Getter	Setter
ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectedText	Text of the selected item in a single string.	GetSelectedText	
SelectionCount	Number of selected items.	GetSelectionCount	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoClearSelection	Clears selection.
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.

Property Detail

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()

Clears selection.

Returns:

'true' if success, 'false' otherwise.

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DXListBoxControl

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DevXpress ListBoxControl. Extends [ManagedObject](#).

Behavior Pattern: DXListBoxControlBehavior

Property Summary

Property	Description	Getter	Setter
ItemCount	Number of items.	GetItemCount	
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItems	Text of all the selected items in a single string.	GetSelectedItems	
SelectedText	Text of the selected item in a single string.	GetSelectedText	
SelectionCount	Number of selected items.	GetSelectionCount	

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoClearSelection	Clears selection.
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.

Property Detail

ItemCount

Number of items.

Accessors: GetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index. 'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ';' separator.

Accessors: GetSelectedItems

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText

SelectionCount

Number of selected items.

Accessors: GetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of String type then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClearSelection()

Clears selection.

Returns:

'true' if success, 'false' otherwise.

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DXLookupEdit

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DevXpress LookupEdit. Extends [ManagedObject](#).

Behavior Pattern: DXLookupEditBehavior

Property Summary

Property	Description	Getter	Setter
ItemIndex	Index of the selected element of the object.	GetItemIndex	SetItemIndex
ItemName	Name of the selected element of the object.	GetItemName	
properties.SelectedText		Getproperties.SelectedText	Setproperties.SelectedText
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.
DoSetText	Sets text value of this object.

Property Detail

ItemIndex

Index of the selected element of the object.
Accessors: GetItemIndex, SetItemIndex

ItemName

Name of the selected element of the object.
Accessors: GetItemName

properties.SelectedText

Accessors: Getproperties.SelectedText, Setproperties.SelectedText

SelectedIndex

Index of the selected element of the object.
Accessors: GetSelectedIndex, SetSelectedIndex

Text

Text of the object, 'false' if text can not be read.
Accessors: GetText, SetText

Action Detail

DoSelectItem(val)

Selects an item of this object.

Parameters:

Name	Type	Description
val	number	index of value to select

Returns:

'true' if success, 'false' otherwise.

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
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val string Text value.

Returns:

'true' if success, 'false' otherwise.

DXMarqueeProgressBarControl

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DevExpress MarqueeProgressBarControl. Extends [ManagedObject](#).

Behavior Pattern: DXMarqueeProgressBarControlBehavior

Property Summary

Property	Description	Getter	Setter
Working	Gets or sets a value indicating whether the control can respond to user interaction	GetWorking	

Property Detail

Working

Gets or sets a value indicating whether the control can respond to user interaction

Accessors: GetWorking

DXMaskBox

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DevExpress MaskBox. Extends [ManagedObject](#).

Behavior Pattern: DXObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXMemoEdit

[Top](#) [Previous](#) [Next](#)

DevXpress MemoEdit. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXMemoExEdit

[Top](#) [Previous](#) [Next](#)

DevXpress MemoExEdit. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXMRUEdit

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DevExpress MRUEdit. Extends [ManagedObject](#).

Behavior Pattern: DXComboBoxEditBehavior

Property Summary

Property	Description	Getter	Setter
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedText	Text of the selected item in a single string.	GetSelectedText	SetSelectedText
Text	Text of the selected item in a single string.	GetText	SetText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.
DoSetText	Sets text value of this object.

Property Detail

ItemNameByIndex

Returns item name by its index.'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText, SetSelectedText

Text

Text of the selected item in a single string.

Accessors: GetText, SetText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXNavBarControl

[Top](#) [Previous](#) [Next](#)

DevXpress NavBar. Extends [ManagedObject](#).

Behavior Pattern: DXNavBarControlBehavior

Property Summary

Property	Description	Getter	Setter
Item	Caption of the item specified by index	GetItem	
ItemCount	Number of items.	GetItemCount	

Action Summary

Action	Description
DoClickItem	Performs Click on the navigation item
DoExpandGroup	Expand (or make active) the navigation group

Property Detail

Item

Caption of the item specified by index

Accessors: GetItem

ItemCount

Number of items.

Accessors: GetItemCount

Action Detail**DoClickItem(nameCaptionIndex)**

Performs Click on the navigation item

Parameters:

Name	Type	Description
nameCaptionIndex	string number	index, name or caption of the item to be selected.

Returns:

'true' if successful, 'false' otherwise.

DoExpandGroup(nameCaptionIndex)

Expand (or make active) the navigation group

Parameters:

Name	Type	Description
nameCaptionIndex	string number	index, name or caption of the item to be selected.

Returns:

'true' if successful, 'false' otherwise.

DXPopupBarControl[Top](#) [Previous](#) [Next](#)DevExpress DXPopupBarControl. Extends [ManagedObject](#).**Behavior Pattern: DXPopupBarControlBehavior****Property Summary**

Property	Description	Getter	Setter
Item	Caption of the item specified by index	GetItem	
ItemCount	Number of items.	GetItemCount	

Action Summary

Action	Description
DoClickItem	Performs Click on the navigation item

Property Detail**Item**

Caption of the item specified by index

Accessors: GetItem

ItemCount

Number of items.

Accessors: GetItemCount

Action Detail

DoClickItem(nameCaptionIndex, xOffset, yOffset)

Performs Click on the navigation item

Parameters:

Name	Type	Description
nameCaptionIndex	string number	index, name or caption of the item to be selected.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if successful, 'false' otherwise.

DXPopupContainerEdit

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DevXpress PopupContainerEdit. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXPopupLookUpEditForm

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DevExpress PopupLookUpEditForm. Extends [ManagedObject](#).

Behavior Pattern: DXPopupLookUpEditFormBehavior

DXProgressBarControl

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DevExpress ProgressBarControl. Extends [ManagedObject](#).

Behavior Pattern: DXProgressBarControlBehavior

Property Summary

Property	Description	Getter	Setter
Value	Value of the object.	GetValue	SetValue

Property Detail

Value

Value of the object.

Accessors: GetValue, SetValue

DXRadioGroup

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DevExpress RadioGroup. Extends [ManagedObject](#).

Behavior Pattern: DXRadioGroupBehavior

Property Summary

Property	Description	Getter	Setter
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
Text	Text of the label of the object	GetText	

Action Summary

Action	Description
DoSelectItem	Selects Item

Property Detail

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

Text

Text of the label of the object

Accessors: GetText

Action Detail

DoSelectItem(index)

Selects Item

Parameters:

Name	Type	Description
index	number	Index of the element to check

Returns:

'true' if successful, 'false' otherwise

DXRangeTrackBarControl

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DevXpress RangeTrackBarControl. Extends [ManagedObject](#).

Behavior Pattern: DXRangeTrackBarControlBehavior

Property Summary

Property	Description	Getter	Setter
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue

Property Detail

MaxValue

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

DXSimpleButton

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DevXpress SimpleButton. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectButtonBehavior

DXSpinEdit

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DevXpress SpinEdit. Extends [ManagedObject](#).

Behavior Pattern: DXSpinEditBehavior

Property Summary

Property	Description	Getter	Setter
Increment	The value of increment for spin.	GetIncrement	SetIncrement
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue
Text	Text of the object, 'false' if text can not be read.	GetText	SetText
Value	Value of the object.	GetValue	SetValue

Action Summary

Action	Description
DoDown	Decrements the Value of an object.
DoSetText	Sets text value of this object.
DoUp	Increases the Value of an object.

Property Detail

Increment

The value of increment for spin.

Accessors: GetIncrement, SetIncrement

MaxValue

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Value

Value of the object.

Accessors: GetValue, SetValue

Action Detail

DoDown()

Decrements the Value of an object.

Returns:

'true' if success, 'false' otherwise.

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DoUp()

Increments the Value of an object.

Returns:

'true' if success, 'false' otherwise.

DXTextEdit

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DevXpress TextEdit. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXTextEditMasked

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DevXpress Masked TextEdit. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: [GetText](#), [SetText](#)

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXTimeEdit

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DevXpress TimeEdit. Extends [ManagedObject](#).

Behavior Pattern: ManagedObjectTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: [GetText](#), [SetText](#)

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
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Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

DXTrackBarControl

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DevExpress TrackBarControl. Extends [ManagedObject](#).

Behavior Pattern: DXTrackBarControlBehavior

Property Summary

Property	Description	Getter	Setter
Value	Value of the object.	GetValue	SetValue

Property Detail

Value

Value of the object.

Accessors: GetValue, SetValue

DXTreeList

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DevExpress TreeList. Extends [ManagedObject](#).

Behavior Pattern: DXTreeListBehavior

Property Summary

Property	Description	Getter	Setter
CellText	Cell text for the cell specified by rowPath and col	GetCellText	
Checked	Checked state of the selected node or a node specified by the input parameters.	GetChecked	
ChildrenCount	Number of children of the selected node or a node specified by the input parameters.	GetChildrenCount	
ColumnCount	Number of columns in current grid.	GetColumnCount	
ColumnName	Caption of a column.	GetColumnName	
Expanded	Expanded state of the selected node or a node specified by the input parameters.	GetExpanded	
IndexPath	Index path of the specified or selected tree node i.e.	GetIndexPath	
NodeText	Text of the selected node or a node specified by the input parameters.	GetNodeText	
RowCount	Number of rows in current grid.	GetRowCount	
Selected	Selected state of the selected node or a node specified by the input parameters	GetSelected	
Text	;-combined text of all selected nodes.	GetText	

Action Summary

Action	Description
DoClickCell	Click the cell specified by row name or index and column name or index

DoClickNode	Clicks specific node in the tree.
DoCollapse	Collapses specific node in the tree.
DoExpand	Expands specific node in the tree.
DoSetCheck	Set 'checked' state of the specified node

Property Detail

CellText

Cell text for the cell specified by rowPath and col

Accessors: GetCellText

Checked

Checked state of the selected node or a node specified by the input parameters.

Accessors: GetChecked

ChildrenCount

Number of children of the selected node or a node specified by the input parameters.

Accessors: GetChildrenCount

ColumnCount

Number of columns in current grid.

Accessors: GetColumnCount

ColumnName

Caption of a column.

Accessors: GetColumnName

Expanded

Expanded state of the selected node or a node specified by the input parameters.

Accessors: GetExpanded

IndexPath

Index path of the specified or selected tree node i.e. string in form '0;5;2;1;6', 'false' if fails

Accessors: GetIndexPath

NodeText

Text of the selected node or a node specified by the input parameters.

Accessors: GetNodeText

RowCount

Number of rows in current grid.

Accessors: GetRowCount

Selected

Selected state of the selected node or a node specified by the input parameters

Accessors: GetSelected

Text

;-combined text of all selected nodes.

Accessors: GetText

Action Detail

DoClickCell(rowPath, col, xOffset, yOffset)

Click the cell specified by row name or index and column name or index

Parameters:

Name	Type	Description
rowPath	string	Path of the top level node to select. If integer number is passed then the top level node is searched by index.

	number	
col	number string	Column index or column name
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClickNode(path, separator, pathType, column, xOffset, yOffset)

Clicks specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.
column	number string	Column index or column name. Default is 0 Optional.
xOffset	number	X offset to click within node. Default is a center. Optional.
yOffset	number	Y offset to click within node. Default is a center. Optional.

Returns:

'true' if success, 'false' otherwise.

DoCollapse(path, separator, pathType)

Collapses specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoExpand(path, separator, pathType)

Expands specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoSetCheck(bcheck, path, separator, pathType)

Set 'checked' state of the specified node

Parameters:

Name	Type	Description
bcheck	boolean	Check state to set
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DXZoomTrackBarControl

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DevExpress ZoomTrackBarControl. Extends [ManagedObject](#).

Behavior Pattern: DXZoomTrackBarControlBehavior

Property Summary

Property	Description	Getter	Setter
Value	Value of the object.	GetValue	SetValue

Property Detail

Value

Value of the object.

Accessors: GetValue, SetValue

WpfComboBox

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WPF combobox with fixed choices.

Behavior Pattern: Win32ItemSelectable

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

Behavior Pattern: Win32ItemCombo

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string	This is a name of item to select.

Returns:

'true' if operation is successful, 'false' otherwise

WpfComboBoxEditable

[Top](#) [Previous](#) [Next](#)

WPF combobox with editable value.

Behavior Pattern: Win32TextEditable

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

Behavior Pattern: Win32ItemSelectable

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

Behavior Pattern: Win32ItemCombo

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string	This is a name of item to select.

Returns:

'true' if operation is successful, 'false' otherwise

WpfTree

WPF tree control. Use `DoSelectItem` to select a node in the tree and `DoExpand` to expand/collapse a node.

Behavior Pattern: WpfTreeSelectable

Action Summary

Action	Description
DoSelectItem	This function selects an item of this object.

Action Detail

`DoSelectItem(path, sep)`

This function selects an item of this object.

Parameters:

Name	Type	Description
path	string	This is the path of an item.
sep	string	Separator Optional, Default: ;.

Returns:

'true' if successful, 'false' otherwise'

Behavior Pattern: WpfTreeExpandable

Action Summary

Action	Description
DoExpand	This function expands an item of this object.

Action Detail

`DoExpand(path, bexpand, sep)`

This function expands an item of this object.

Parameters:

Name	Type	Description
path	string	This is the path of an item.
bexpand	string	This is the path of an item.
sep	string	Separator Optional, Default: ;.

Returns:

'true' if successful, 'false' otherwise'

QWidget

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Generic Qt Widget

Behavior Pattern: [None]

QPopup

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Generic Qt Popup control

Behavior Pattern: [None]

QCheckBox

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Qt CheckBox. Extends [QWidget](#).

Behavior Pattern: QtCheckableBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

QRadioButton

[Top](#) [Previous](#) [Next](#)

Qt Radio Button. Extends [QWidget](#).

Behavior Pattern: QtCheckableBehavior

Property Summary

Property	Description	Getter	Setter
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Checked	Check state of the button.	GetChecked	SetChecked
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Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: [GetChecked](#), [SetChecked](#)

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

QPushButton

[Top](#) [Previous](#) [Next](#)

This matches a Qt push button. Use [DoAction](#) to press it. Extends [QWidget](#).

Behavior Pattern: Win32Pressable

Action Summary

Action	Description
DoAction	Presses the button.

Action Detail

DoAction()

Presses the button.

QToolButton

[Top](#) [Previous](#) [Next](#)

This matches a Qt push button. Use [DoAction](#) to press it. Extends [QWidget](#).

Behavior Pattern: Win32Pressable

Action Summary

Action	Description
DoAction	Presses the button.

Action Detail

DoAction()

Presses the button.

QLabel

[Top](#) [Previous](#) [Next](#)

This is Qt read-only text label. Use `getText` to read the current value of the label text. Extends [QWidget](#).

Behavior Pattern: QtTextBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	getText	

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: `getText`

Returns:

'true' if success, 'false' otherwise.

QLineEdit

[Top](#) [Previous](#) [Next](#)

This is Qt single-line text edit box. Use `doSetText` to set the value of the edit box and `getText` to read current value. Extends [QWidget](#).

Behavior Pattern: QtTextEditableBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	getText	setText

Action Summary

Action	Description
doSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: `getText`, `setText`

Action Detail

doSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

QTextEdit

[Top](#) [Previous](#) [Next](#)

This is Qt multi-line text edit box. Use DoSetText to set the value of the edit box and GetText to read current value. Extends [QWidget](#).

Behavior Pattern: QtTextEditableBehavior**Property Summary**

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail**Text**

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail**DoSetText(val)**

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

QComboBox

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This is the Qt combo box. Use DoSelectItem to select a particular item. Extends [QWidget](#).

Behavior Pattern: QtItemComboBehavior**Property Summary**

Property	Description	Getter	Setter
Value	Get the value of the currently selected item	GetValue	

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Property Detail

Value

Gets the value of the selected item. This is usually equivalent to the name of the item being selected.

Accessors: GetValue

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

QFontComboBox

[Top](#) [Previous](#) [Next](#)

This is the Qt font combo box. Use DoSelectItem to select a particular font. Extends [QWidget](#).

Behavior Pattern: QtItemComboBehavior

Property Summary

Property	Description	Getter	Setter
Value	Get the value of the currently selected item	GetValue	

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Property Detail

Value

Gets the name of the selected item. This is usually equivalent to the name of the item being selected.

Accessors: GetValue

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

QListBox

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This is the Qt list box. Use DoSelectItem to select a particular item. Extends [QWidget](#).

Behavior Pattern: QtListBoxBehavior

Property Summary

Property	Description	Getter	Setter
Value	Get the value of the currently selected item	GetValue	

Action Summary

Action	Description
DoSelectItem	Selects item of this object.

Property Detail

Value

Gets the value of the selected item. This is usually equivalent to the name of the item being selected.

Accessors: GetValue

Action Detail

DoSelectItem(itemName)

Selects item of this object.

Parameters:

Name	Type	Description
itemName	string array	This is a name of item to select. Or an array of item names in the case of multi-select.

Returns:

'true' if operation is successful, 'false' otherwise

QTimeEdit

[Top](#) [Previous](#) [Next](#)

This is Qt masked date edit box. Use DoSetTime to set the time value of the edit box and GetText to read current value. Extends [QWidget](#).

Behavior Pattern: QtDateTimeBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	

Action Summary

Action	Description
DoSetTime	Sets the time value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText

Action Detail

DoSetTime(val)

Sets the time value of this object.

Parameters:

Name	Type	Description
val	string	Time value.

Returns:

'true' if success, 'false' otherwise.

QDateEdit

[Top](#) [Previous](#) [Next](#)

This is Qt masked date edit box. Use DoSetDate to set the date value of the edit box and GetText to read current value. Extends [QWidget](#).

Behavior Pattern: QDateTimeBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	

Action Summary

Action	Description
DoSetDate	Sets the date value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText

Action Detail

DoSetDate(val)

Sets the date value of this object.

Parameters:

Name	Type	Description
val	string	Date value.

Returns:

'true' if success, 'false' otherwise.

QDateTimeEdit

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This is Qt masked date edit box. Use DoSetDateTime to set the date value of the edit box and GetText to read current value. Extends [QWidget](#).

Behavior Pattern: QDateTimeBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	

Action Summary

Action	Description
DoSetDateTime	Sets the date/time value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText

Action Detail

DoSetDateTime(val)

Sets the date/time value of this object.

Parameters:

Name	Type	Description
val	string	Date/time value.

Returns:

'true' if success, 'false' otherwise.

QMenuBar

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This is for testing the main Qt menu bar (e.g. main menu of the application). Use DoClickItem to click a particular item from the menu. Extends [QWidget](#).

Behavior Pattern: QItemClickable

Action Summary

Action	Description
DoClickItem	Performs click on an item of this object.

Action Detail

DoClickItem(itemName)

Performs click on an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to click

Returns:

'true' if operation was successful, 'false' otherwise

QPopupMenu

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This is generic Qt popup menu. Use DoClickItem to click a particular item from the menu. Extends [QPopup](#).

Behavior Pattern: QtItemClickable

Action Summary

Action	Description
DoClickItem	Performs click on an item of this object.

Action Detail

DoClickItem(itemName)

Performs click on an item of this object.

Parameters:

Name	Type	Description
itemName	string	Name of the item to click

Returns:

'true' if operation was successful, 'false' otherwise

QSimulated

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This is a rule for Qt simulated objects.

Behavior Pattern: Win32Simulated

Property Summary

Property	Description	Getter	Setter
Bitmap	UI Image of the object.	GetBitmap	

BWBitmap	UI Image of the object in 1-bit format (black&white).	GetBWBitmap	
Class	Class of the object.	GetClass	
Height	Height of the object.	GetHeight	
Name	Name of the object.	GetName	
ObjectType	SeSMatcherRule type for this object.	GetObjectType	
State	State of the object.	GetState	
Value	Value of the object.	GetValue	SetValue
Width	Width of the object.	GetWidth	
WindowText	Window text of the object.	GetWindowText	SetWindowText
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoAction	Performs default action for an object.
DoAnalogPlay	Plays analog recording using coordinates relative to this object.
DoClick	Performs left click at the center of an object.
DoEnsureVisible	Makes sure specified element is visible on the screen.
DoLButtonDown	Performs left mouse button down.
DoLButtonUp	Performs left mouse button up.
DoLClick	Performs a left click at the center of an object or at the specified location.
DoLDClick	Performs a left double click at the center of an object or at the specified location.
DoMButtonDown	Performs middle mouse button down.
DoMButtonUp	Performs middle mouse button up.
DoMClick	Performs a middle click at the center of an object or at the specified location.
DoMDClick	Performs a middle double click at the center of an object or at the specified location.
DoMouseMove	Moves mouse cursor to a location relative to this object position.
DoRButtonDown	Performs right mouse button down.
DoRButtonUp	Performs right mouse button up.
DoRClick	Performs a right click at the center of an object or at the specified location.
DoRDClick	Performs a right double click at the center of an object or at the specified location.
DoSendKeys	Sends series of keystrokes to an object.

Property Detail

Bitmap

UI Image of the object.
Accessors: GetBitmap

BWBitmap

UI Image of the object in 1-bit format (black&white).
Accessors: GetBWBitmap

Class

Class of the object.
Accessors: GetClass

Height

Height of the object.
Accessors: GetHeight

Name

Name of the object.
Accessors: GetName

ObjectType

SeSMatcherRule type for this object.

Accessors: GetObjectType

State

State of the object.

Accessors: GetState

Value

Value of the object.

Accessors: GetValue, SetValue

Width

Width of the object.

Accessors: GetWidth

WindowText

Window text of the object.

Accessors: GetWindowText, SetWindowText

X

X-coordinate of the top left corner of the object.

Accessors: GetX

Y

Y-coordinate of the top left corner of the object.

Accessors: GetY

Action Detail

DoAction()

Performs default action for an object. If the object doesn't have default action then 'LClick' is performed.

DoAnalogPlay(path, left, top)

Plays analog recording using coordinates relative to this object.

Parameters:

Name	Type	Description
path	string	Path to analog recording (usually an .arf file).
left	number	X-coordinate of top-left corner of the analog area, relative to object top-left corner Optional.
top	number	Y-coordinate of the top-left corner of the analog area, relative to object top-left corner. Optional.

DoClick(clickType, xOffset, yOffset)

Performs left click at the center of an object. It is a customizable variant of LClick action.

Parameters:

Name	Type	Description
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.

Returns:

'true' if operation is successful, 'false' otherwise

DoEnsureVisible()

Makes sure specified element is visible on the screen.

DoLButtonDown()

Performs left mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoLButtonUp', otherwise it may lock mouse cursor.

DoLButtonUp()

Performs left mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoLButtonDown', otherwise it will have no effect.

DoLClick(x, y)

Performs a left click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoLDClick(x, y)

Performs a left double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMButtonDown()

Performs middle mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoMButtonUp', otherwise it may lock mouse cursor.

DoMButtonUp()

Performs middle mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoMButtonDown', otherwise it will have no effect.

DoMClick(x, y)

Performs a middle click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMDClick(x, y)

Performs a middle double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoMouseMove(x, y)

Moves mouse cursor to a location relative to this object position.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

DoRButtonDown()

Performs right mouse button down. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: This action must be followed by 'DoRButtonUp', otherwise it may lock mouse cursor.

DoRButtonUp()

Performs right mouse button up. This method does not change cursor coordinates. Make sure that you use 'DoMouseMove' to position mouse cursor properly before calling this method. Note: Use this action after 'DoRButtonDown', otherwise it will have no effect.

DoRClick(x, y)

Performs a right click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoRDClick(x, y)

Performs a right double click at the center of an object or at the specified location.

Parameters:

Name	Type	Description
x	number	X-coordinate of location relative to object's left border
y	number	Y-coordinate of location relative to object's top border

Returns:

'true' if operation is successful, 'false' otherwise

DoSendKeys(keys)

Sends series of keystrokes to an object. For example: DoSendKeys("^F") - sends {CTRL} + {F}. See [MSDN Article for SendKeys](#)

Parameters:

Name	Type	Description
keys	string	A sequence of keystrokes.

UIButton[Top](#) [Previous](#) [Next](#)

Extends [UIAObject](#). Extends SeSSimulatedObject.

Behavior Pattern: UIAutomationButtonBehavior**Property Summary**

Property	Description	Getter	Setter
ToggleState	For toggle button this property contains its toggle state	GetToggleState	SetToggleState

Action Summary

Action	Description
DoAction	Performs default action on this button.

Property Detail**ToggleState**

For toggle button this property contains its toggle state

Accessors: GetToggleState, SetToggleState

Action Detail**DoAction()**

Performs default action on this button.

Returns:

'true' if successful, 'false' otherwise

UICheckBox[Top](#) [Previous](#) [Next](#)

Extends [UIAObject](#). Extends SeSSimulatedObject.

Behavior Pattern: UIAutomationCheckBoxBehavior**Property Summary**

Property	Description	Getter	Setter
Checked	Check state of the button.	GetChecked	SetChecked

Action Summary

Action	Description
DoSetCheck	Sets check state of the object.

Property Detail

Checked

Check state of the button. 'true' if the button is checked, 'false' otherwise.

Accessors: GetChecked, SetChecked

Action Detail

DoSetCheck(bcheck)

Sets check state of the object.

Parameters:

Name	Type	Description
bcheck	boolean	Desired check state for the button.

Returns:

'true' if success, 'false' otherwise.

UIAComboBox

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Extends [UIAObject](#). Extends SeSSimulatedObject.

Behavior Pattern: UIAutomationComboBoxBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.
DoSetText	Set text into combobox with an edit box.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSelectItem(item)

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

DoSetText(newText)

Set text into combobox with an edit box.

Parameters:

Name	Type	Description
newText	string	Text to set

Returns:

'true' if successful, 'false' otherwise

UIAComboBoxEdit

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Extends [UIAObject](#). Extends SeSSimulatedObject.

Behavior Pattern: UIAutomationComboBoxBehavior**Property Summary**

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSelectItem	Selects an item of this object.
DoSetText	Set text into combobox with an edit box.

Property Detail**Text**

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail**DoSelectItem(item)**

Selects an item of this object.

Parameters:

Name	Type	Description
item	string number	Item index or text value to select.

Returns:

'true' if success, 'false' otherwise.

DoSetText(newText)

Set text into combobox with an edit box.

Parameters:

Name	Type	Description
newText	string	Text to set

Returns:

'true' if successful, 'false' otherwise

Behavior Pattern: UIAutomationTextBoxBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UIAHyperlink

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Extends [UIAObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: UIAutomationButtonBehavior

Property Summary

Property	Description	Getter	Setter
ToggleState	For toggle button this property contains its toggle state	GetToggleState	SetToggleState

Action Summary

Action	Description
DoAction	Performs default action on this button.

Property Detail

ToggleState

For toggle button this property contains its toggle state
 Accessors: GetToggleState, SetToggleState

Action Detail

DoAction()

Performs default action on this button.

Returns:

'true' if successful, 'false' otherwise

UIALabel

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Extends [UIAObject](#). Extends SeSSimulatedObject.

Behavior Pattern: UIAutomationLabelBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Property Detail

Text

Text of the object, 'false' if text can not be read.
 Accessors: GetText, SetText

UIAList

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Extends [UIAObject](#). Extends SeSSimulatedObject.

Behavior Pattern: UIAutomationListBehavior

Property Summary

Property	Description	Getter	Setter
ItemCount	Number of items.	GetItemCount	SetItemCount
ItemIndexByName	Returns item index by its name.	GetItemIndexByName	
ItemNameByIndex	Returns item name by its index.	GetItemNameByIndex	
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	
SelectedIndices	Returns string of indexes delimited by separator or array of indexes of selected elements.	GetSelectedIndices	
SelectedItem	Text of all the selected items in a single string.	GetSelectedItem	SetSelectedItem
SelectedText	Text of the selected item in a single string.	GetSelectedText	SetSelectedText
SelectionCount	Number of selected items.	GetSelectionCount	SetSelectionCount

Action Summary

Action	Description
DoAddSelection	Extends selection.
DoClickItem	Performs click on the item
DoRemoveSelection	Removes selection from specified items.
DoSelectItem	Selects items of this object.

Property Detail

ItemCount

Number of items.

Accessors: GetItemCount, SetItemCount

ItemIndexByName

Returns item index by its name. 'false' if name is not found.

Accessors: GetItemIndexByName

ItemNameByIndex

Returns item name by its index.'false' if name is not found.

Accessors: GetItemNameByIndex

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex

SelectedIndices

Returns string of indexes delimited by separator or array of indexes of selected elements.

Accessors: GetSelectedIndices

SelectedItems

Text of all the selected items in a single string. Items are divided by ',' separator.

Accessors: GetSelectedItems, SetSelectedItems

SelectedText

Text of the selected item in a single string.

Accessors: GetSelectedText, SetSelectedText

SelectionCount

Number of selected items.

Accessors: GetSelectionCount, SetSelectionCount

Action Detail

DoAddSelection(items, separator, itemsType)

Extends selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it

is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoClickItem(nameCaptionIndex, xOffset, yOffset, clickType)

Performs click on the item

Parameters:

Name	Type	Description
nameCaptionIndex	string number	index or name of the item to be selected.
xOffset	number	X offset to click within object. Default is a center. Optional.
yOffset	number	X offset to click within object. Default is a center. Optional.
clickType	string	Type of click, can be one of "L" - left click, "LD" - double left click, "R" - right click, "RD" - double right click, "M" - middle click, "MD" - double middle click, "N" - don't click Optional, Default: L.

Returns:

'true' if successful, 'false' otherwise.

DoRemoveSelection(items, separator, itemsType)

Removes selection from specified items.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.
itemsType	string	If it is 'name' and 'items' parameter is of String type then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter is treated as separated item indexes. If any other value is passed as 'itemsType' the behavior is undefined. Optional.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(items, separator, itemsType)

Selects items of this object. First it clears existing selection.

Parameters:

Name	Type	Description
items	array string	Can be one of the following: 1. Number, index of an item. 2. String, item names delimited with separator. 3. String, item indexes delimited with separator. 4. Array of item names. 5. Array of item indexes.
separator	string	Separator Optional, Default: ;.

itemsType	string	If it is 'name' and 'items' parameter is of Stringtype then 'items' parameter is treated as separated item names. If it is 'index' and 'items' parameter is of String type then 'items' parameter istreated as separated item indexes. If any other value is passed as 'itemsType'the behavior is undefined. Optional.
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Returns:

'true' if success, 'false' otherwise.

UIAObject

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Extends SeSSimulatedObject.

Behavior Pattern: UIAObjectGenericBehavior

Property Summary

Property	Description	Getter	Setter
Height	Height of the object.	GetHeight	
TypeName	Type name of UI Automation object	GetTypeName	
Width	Width of the object.	GetWidth	
X	X-coordinate of the top left corner of the object.	GetX	
Y	Y-coordinate of the top left corner of the object.	GetY	

Action Summary

Action	Description
DoDumpWidget	Dumps Spy data for the object.
DoGetWidgetProperty	Returns the value of a property with a given name.

Property Detail

Height

Height of the object.
Accessors: GetHeight

TypeName

Type name of UI Automation object
Accessors: GetTypeName

Width

Width of the object.
Accessors: GetWidth

X

X-coordinate of the top left corner of the object.
Accessors: GetX

Y

Y-coordinate of the top left corner of the object.
Accessors: GetY

Action Detail

DoDumpWidget(dumpProperties, maxDepth, trimValue, indent, filePath, append, ignoreProps)

Dumps Spy data for the object.

Parameters:

Name	Type	Description
dumpProperties	boolean	If 'true' then includes properties to the result. Optional, Default: false.
maxDepth	number	Determines max recursion depth. If '0' then dumps current object only, if '1' - dumps direct children as well, etc. If '-1' then dumps the whole subtree of objects. Optional, Default: 0.
trimValue	number	Determines maximum length of a property value. Excess characters are truncated. Optional, Default: 256.
indent	string	Indentation string for child objects and properties. Optional, Default: \.
filePath	string	If 'filePath' is set then outputs result to corresponding file. Optional.
append	boolean	If 'true' then file should be overwritten, if 'false' then data should be appended. Optional, Default: false.
ignoreProps	Array	Contains the names of the properties which must be ignored when writing into a file. Optional, Default: undefined.

Returns:

Object data if 'filePath' is not set, 'true' if file write succeeded, 'false' - otherwise.

DoGetWidgetProperty(name)

Returns the value of a property with a given name. Names of available properties can be seen in Spy.

Parameters:

Name	Type	Description
name	string	Property name.

Returns:

Property value if successful, an empty string if the property can not be found.

UIAProgressBar

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Extends [UIAObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: UIAutomationProgressBarBehavior**Property Summary**

Property	Description	Getter	Setter
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue
Value	Value of the object.	GetValue	SetValue

Action Summary

Action	Description
DoSetValue	Sets the value of current object.

Property Detail**MaxValue**

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

Value

Value of the object.

Accessors: GetValue, SetValue

Action Detail

DoSetValue(val)

Sets the value of current object.

Parameters:

Name	Type	Description
val	number	Value to set

Returns:

'true' if successful, 'false' otherwise

UIARadioButton

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Extends [UIAObject](#). Extends SeSSimulatedObject.

Behavior Pattern: UIAutomationRadioButtonBehavior

Action Summary

Action	Description
DoSetCheck	Selects the radio by index.

Action Detail

DoSetCheck(index)

Selects the radio by index.

Parameters:

Name	Type	Description
index	Integer	Index of radio button to select

Returns:

'true' if success, 'false' otherwise.

UIASlider

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Extends [UIAObject](#). Extends SeSSimulatedObject.

Behavior Pattern: UIAutomationProgressBarBehavior

Property Summary

Property	Description	Getter	Setter
MaxValue	Maximum value of the object or 'false' if value can't be read.	GetMaxValue	SetMaxValue
MinValue	Minimum value of the object or 'false' if value can't be read.	GetMinValue	SetMinValue
Value	Value of the object.	GetValue	SetValue

Action Summary

Action	Description
DoSetValue	Sets the value of current object.

Property Detail

MaxValue

Maximum value of the object or 'false' if value can't be read.

Accessors: GetMaxValue, SetMaxValue

MinValue

Minimum value of the object or 'false' if value can't be read.

Accessors: GetMinValue, SetMinValue

Value

Value of the object.

Accessors: GetValue, SetValue

Action Detail

DoSetValue(val)

Sets the value of current object.

Parameters:

Name	Type	Description
val	number	Value to set

Returns:

'true' if successful, 'false' otherwise

UITabControl

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Extends [UIAObject](#). Extends SeSSimulatedObject.

Behavior Pattern: UIAutomationTabControlBehavior

Property Summary

Property	Description	Getter	Setter
ItemCount	Number of items.	GetItemCount	SetItemCount
SelectedIndex	Index of the selected element of the object.	GetSelectedIndex	SetSelectedIndex
SelectedTab	Text of the selected tab	GetSelectedTab	SetSelectedTab

Action Summary

Action	Description
DoSelectTab	Selects the tab by name.

Property Detail

ItemCount

Number of items.

Accessors: GetItemCount, SetItemCount

SelectedIndex

Index of the selected element of the object.

Accessors: GetSelectedIndex, SetSelectedIndex

SelectedTab

Text of the selected tab

Accessors: GetSelectedTab, SetSelectedTab

Action Detail

DoSelectTab(tabName)

Selects the tab by name.

Parameters:

Name	Type	Description
tabName	string	Tab name to select

Returns:

'true' if success, 'false' otherwise.

UITextBlock

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Extends [UIAObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: UIAutomationTextBoxBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UITextBox

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Extends [UIAObject](#). Extends SeSSimulatedObject.

Behavior Pattern: UIAutomationTextBoxBehavior

Property Summary

Property	Description	Getter	Setter
Text	Text of the object, 'false' if text can not be read.	GetText	SetText

Action Summary

Action	Description
DoSetText	Sets text value of this object.

Property Detail

Text

Text of the object, 'false' if text can not be read.

Accessors: GetText, SetText

Action Detail

DoSetText(val)

Sets text value of this object.

Parameters:

Name	Type	Description
val	string	Text value.

Returns:

'true' if success, 'false' otherwise.

UITree

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Extends [UIAObject](#). Extends [SeSSimulatedObject](#).

Behavior Pattern: UIAutomationTreeBehavior

Property Summary

Property	Description	Getter	Setter
Checked	Checked state of the selected node or a node specified by the input parameters.	GetChecked	SetChecked
ChildrenCount	Number of children of the selected node or a node specified by the input parameters.	GetChildrenCount	SetChildrenCount
Expanded	Expanded state of the selected node or a node specified by the input parameters.	GetExpanded	SetExpanded
NodeText	Text of the selected node or a node specified by the input parameters.	GetNodeText	SetNodeText
Selected	Selected state of the selected node or a node specified by the input parameters	GetSelected	SetSelected

Action Summary

Action	Description
DoClickNode	Clicks specific node in the tree.
DoCollapse	Clicks specific node in the tree.
DoExpand	Clicks specific node in the tree.
DoSelectItem	Selects specified item in the tree

Property Detail

Checked

Checked state of the selected node or a node specified by the input parameters.

Accessors: GetChecked, SetChecked

ChildrenCount

Number of children of the selected node or a node specified by the input parameters.

Accessors: GetChildrenCount, SetChildrenCount

Expanded

Expanded state of the selected node or a node specified by the input parameters.

Accessors: GetExpanded, SetExpanded

NodeText

Text of the selected node or a node specified by the input parameters.

Accessors: GetNodeText, SetNodeText

Selected

Selected state of the selected node or a node specified by the input parameters

Accessors: GetSelected, SetSelected

Action Detail

DoClickNode(path, separator, pathType)

Clicks specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.

pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.
----------	--------	---

Returns:

'true' if success, 'false' otherwise.

DoCollapse(path, separator, pathType)

Clicks specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoExpand(path, separator, pathType)

Clicks specific node in the tree.

Parameters:

Name	Type	Description
path	string	Path of the node
separator	string	Separator Optional, Default: ;.
pathType	string	Path type. Can be one of 'name', 'id' or 'index'. Optional, Default: name.

Returns:

'true' if success, 'false' otherwise.

DoSelectItem(value)

Selects specified item in the tree

Parameters:

Name	Type	Description
value	string	Item to select

Returns:

'true' if successful, 'false' otherwise.

RESTService

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Behavior Pattern: RESTServiceBehavior

Property Summary

Property	Description	Getter	Setter

Name	The name of the request operation	GetName	
Method	The HTTP Method being used for the request (GET, POST, etc.)	GetMethod	SetMethod
Credential	The HTTP Basic Authentication Credentials (if any)	GetCredential	SetCredential
Uri	The URL being used to access the web service	GetUri	SetUri
Parameters	The list of parameters available for this request url	GetParameters	
RequestHeaders	The list of HTTP headers that are part of this request	GetRequestHeaders	SetRequestHeaders
RequestBodyText	The body of the HTTP request in raw text format	GetRequestBodyText	SetRequestBodyText
RequestBodyObject	The body of the HTTP request deserialized to/from JSON into a JavaScript object	GetRequestBodyObject	SetRequestBodyObject
ResponsesErrorStatus	Returns true if an HTTP error code came back from the web service	GetResponsesErrorStatus	
ResponseHeaders	Returns the list of HTTP headers returned from the HTTP response	GetResponseHeaders	
ResponseBodyText	The body of the HTTP response in raw text format	GetResponseBodyText	
ResponseBodyObject	The body of the HTTP response deserialized from JSON into a JavaScript object	GetResponseBodyObject	

Action Summary

Action	Description
DoExecute	Executes the web service operation

Property Detail

Name

The name of the request operation

Accessors: GetName

Method

The HTTP Method being used for the request (GET, POST, etc.)

Accessors: GetMethod, SetMethod

Credential

The HTTP Basic Authentication Credentials (if any)

Accessors: GetCredential, SetCredential

Sample Code:

```
var credential = {};
credential.UserName = 'fredbloggs';
credential.Password = 'MyPassword';
SeS('Operation_Name').SetCredential(credential);
```

Uri

The URL being used to access the web service

Accessors: GetUri, SetUri

Parameters

The list of parameters available for this request url

Accessors: GetParameters

Sample Code:

```
var parameters = SeS('Operation_Name').GetParameters();
for (var i = 0; i < parameters.length; i++)
{
    var name = parameters[i].Name;
    var token = parameters[i].TokenName;
    var value = parameters[i].Value;
}
```

RequestHeaders

The list of HTTP headers that are part of this request

Accessors: GetRequestHeaders, SetRequestHeaders

Sample Code:

```
var headers = SeS('Operation_Name').GetRequestHeaders();
```

```

for (var i = 0; i < headers.length; i++)
{
    var name = headers[i].Name;
    var value = headers[i].Value;
}

```

RequestBodyText

The body of the HTTP request in raw text format

Accessors: GetRequestBodyText, SetRequestBodyText

RequestBodyObject

The body of the HTTP request deserialized to/from JSON into a JavaScript object

Accessors: GetRequestBodyObject, SetRequestBodyObject

Sample Code:

```

var book = {};
book.Name = 'A Christmas Carol';
book.AuthorId = 2;
book.GenreId = 3;
SeS('LibraryInformationSystem_Insert_Book').SetRequestBodyObject(book);
SeS('LibraryInformationSystem_Insert_Book').DoExecute({'session_id':sessionId});

```

ResponselsErrorStatus

Returns true if an HTTP error code came back from the web service

Accessors: GetResponselsErrorStatus

ResponseHeaders

Returns the list of HTTP headers returned from the HTTP response

Accessors: GetResponseHeaders

Sample Code:

```

var headers = SeS('Operation_Name').GetResponseHeaders();
for (var i = 0; i < headers.length; i++)
{
    var name = headers[i].Name;
    var value = headers[i].Value;
}

```

ResponseBodyText

The body of the HTTP response in raw text format

Accessors: GetResponseBodyText

ResponseBodyObject

The body of the HTTP response deserialized from JSON into a JavaScript object

Accessors: GetResponseBodyObject

Sample Code:

```

SeS('LibraryInformationSystem_Get_BookById').DoExecute({'session_id':sessionId, 'book_id':bookId});
var book = SeS('LibraryInformationSystem_Get_BookById').GetResponseBodyObject();

```

Action Detail

DoExecute(bcheck)

Executes the web service operation, substituting any of the provided parameter values if necessary.

Parameters:

Name	Type	Description
params	JavaScript object {"name1": "value1", "name2": "value2" }	Parameter values that should be passed to the web service operation. Passed as a JavaScript object.

Returns:

'true' if success, 'false' otherwise.

Sample Code:

```

SeS('LibraryInformationSystem_Get_BookById').DoExecute({'session_id':sessionId, 'book_id':bookId});
var book = SeS('LibraryInformationSystem_Get_BookById').GetResponseBodyObject();

```

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