

File tool

On this page

- [\\$file.silentCreate\(templateFilename\)](#)
- [\\$file.silentCreate\(attachedFile\)](#)
- [\\$file.silentCreate\(templateFilename, importObject\)](#)
- [\\$file.silentCreate\(attachedFile, importObject\)](#)
- [\\$file.silentCreate\(templateFilename, outputFileName, importObject\)](#)
- [\\$file.silentCreate\(attachedFile, outputFileName, importObject\)](#)
- [\\$file.silentCreate\(templateType, templateFilename, outputname, importObject\)](#)
- [\\$file.silentCreate\(templateType, attachedFile, outputname, importObject\)](#)
- [\\$file.create\(templateFilename\)](#)
- [\\$file.create\(attachedFile\)](#)
- [\\$file.create\(templateFilename, importObject\)](#)
- [\\$file.create\(attachedFile, importObject\)](#)
- [\\$file.create\(templateFilename, outputFileName, importObject\)](#)
- [\\$file.create\(attachedFile, outputFileName, importObject\)](#)
- [\\$file.create\(templateType, templateFilename, outputname, importObject\)](#)
- [\\$file.create\(templateType, attachedFile, outputname, importObject\)](#)
- [\\$file.createAndWait\(templateFilename\)](#)
- [\\$file.createAndWait\(attachedFile\)](#)
- [\\$file.createAndWait\(templateFilename, contextValue\)](#)
- [\\$file.createAndWait\(attachedFile, contextValue\)](#)
- [\\$file.createAndWait\(templateFileName, outputFileName, contextValue\)](#)
- [\\$file.createAndWait\(attachedFile, outputFileName, contextValue\)](#)
- [\\$file.createAndWait\(templateFileName, outputFileName, ContextName, contextValue\)](#)
- [\\$file.createAndWait\(attachedFile, outputFileName, ContextName, contextValue\)](#)
- [\\$file.createAndWait\(templateFileName, outputFileName, context\)](#)
- [\\$file.createAndWait\(attachedFile, outputFileName, context\)](#)
- [\\$file.copy\(inputFilename\)](#)
- [\\$file.copy\(inputFilename, outputFilename\)](#)
- [\\$file.exists\(pathname\)](#)
- [\\$file.computeName\(directory, name\)](#)
- [\\$file.computeName\(directory, name, fileType\)](#)

\$file allows generating an output report file in a template file.

\$file.silentCreate(templateFilename)

A shortcut to create a file, the output filename of which is the template name, not an import context object. For example:

```
$file.silentCreate('overview.html')
```

	Name	Type	Description
Parameter(s)	templateFilename	java.lang.String	• The templateFilename parameter can be either an absolute or relative path to a file in the file system. • If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
Return	-	void	

\$file.silentCreate(attachedFile)

A shortcut to create a file, the output filename of which is the template name, not an import context object. For example:

```
$file.silentCreate($attachedFile)
```

	Name	Type	Description
Parameter(s)	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
Return	-	void	

\$file.silentCreate(templateFilename, importObject)

A shortcut to create a file, the output filename of which is the template name. For example:

```
$file.silentCreate('overview.html', '')
```

	Name	Type	Description
Parameter(s)	templateFilename	java.lang.String	- The templateFilename parameter can be either an absolute or relative path to a file in the file system. - If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
	importObject	java.lang.Object	An object reference, which will be \$importer in the template file. You can use the \$importer variable in the template file to get data.
Return	-	void	-

\$file.silentCreate(attachedFile, importObject)

A shortcut to create a file, the output filename of which is the template name. For example:

```
$file.silentCreate($attachedFile, '')
```

	Name	Type	Description
Parameter(s)	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
	importObject	java.lang.Object	An object reference, which will be \$importer in the template file. You can use the \$importer variable in the template file to get data.
Return	-	void	-

\$file.silentCreate(templateFilename, outputFileName, importObject)

Generate a report output from a given template name. For example:

```
$file.silentCreate('overview.html', 'overview.html', '')
```

	Name	Type	Description
Parameter(s)	templateFilename	java.lang.String	- The templateFilename parameter can be either an absolute or relative path to a file in the file system. - If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
	outputFileName	java.lang.String	The output filename.
	importObject	java.lang.Object	An object reference, which will be \$importer in the template file. You can use the \$importer variable in the template file to get data.
Return	-	void	-

\$file.silentCreate(attachedFile, outputFileName, importObject)

Generate a report output from a given template name. For example:

```
$file.silentCreate($attachedFile, 'overview.html', '')
```

	Name	Type	Description
Parameter(s)	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
	outputFileName	java.lang.String	The output filename.
	importObject	java.lang.Object	An object reference, which will be \$importer in the template file. You can use the \$importer variable in the template file to get data.

Return	-	void	-
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\$file.silentCreate(templateType, templateFilename, outputname, importObject)

Generate a report output from a given template name. For example:

```
$file.silentCreate('html', 'overview', 'overview', '')
```

	Name	Type	Description
Parameter(s)	templateType	java.lang.String	A template type such as rtf, html, or htm.
	templateFilename	java.lang.String	- The templateFilename parameter can be either an absolute or relative path to a file in the file system. - If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
	outputFilename	java.lang.String	An output filename without a filename extension.
	importObject	java.lang.Object	An object reference, which will be \$importer in the template file. You can use the \$importer variable in the template file to get data.
Return	-	void	-

\$file.silentCreate(templateType, attachedFile, outputname, importObject)

Generate a report output from a given template name. For example:

```
$file.silentCreate('html', $attachedFile, 'overview', '')
```

	Name	Type	Description
Parameter(s)	templateType	java.lang.String	A template type such as rtf, html, or htm.
	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
	outputFilename	java.lang.String	An output filename without a filename extension.
	importObject	java.lang.Object	An object reference, which will be \$importer in the template file. You can use the \$importer variable in the template file to get data.
Return	-	void	-

\$file.create(templateFilename)

A shortcut to create a file, the output filename of which is the template name, not an import context object. For example:

```
$file.create('overview.html')
```

	Name	Type	Description
Parameter(s)	templateFilename	java.lang.String	- The templateFilename parameter can be either an absolute or relative path to a file in the file system. - If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
Return	-	java.lang.String	An output pathname. It will return an empty string if there is an error.

\$file.create(attachedFile)

A shortcut to create a file, the output filename of which is the template name, not an import context object. For example:

```
$file.create($attachedFile)
```

	Name	Type	Description
Parameter(s)	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
Return	-	java.lang.String	An output pathname. It will return an empty string if there is an error.

\$file.create(templateFilename, importObject)

A shortcut to create a file, the output filename of which is the template name. For example:

```
$file.create('overview.html', '')
```

	Name	Type	Description
Parameter(s)	templateFilename	java.lang.String	- The templateFilename parameter can be either an absolute or relative path to a file in the file system. - If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
	importObject	java.lang.Object	An object reference, which will be importer in the template file. You can use the \$importer variable in the template file to get data.
Return	-	java.lang.String	An output pathname. It will return an empty string if there is an error.

\$file.create(attachedFile, importObject)

A shortcut to create a file, the output filename of which is the template name. For example:

```
$file.create($attachedFile, '')
```

	Name	Type	Description
Parameter(s)	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
	importObject	java.lang.Object	An object reference, which will be importer in the template file. You can use the \$importer variable in the template file to get data.
Return	-	java.lang.String	An output pathname. It will return an empty string if there is an error.

\$file.create(templateFilename, outputFileName, importObject)

Generate a report output from a given template name. For example:

```
$file.create('overview.html', 'overview.html', '')
```

	Name	Type	Description
Parameter(s)	templateFilename	java.lang.String	- The templateFilename parameter can be either an absolute or relative path to a file in the file system. - If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
	outputFileName	java.lang.String	An output filename.
	importObject	java.lang.Object	An object reference, which will be \$importer in the template file. You can use the \$importer variable in the template file to get data.
Return	-	java.lang.String	An output pathname. It will return an empty string if there is an error.

\$file.create(attachedFile, outputFileName, importObject)

Generate a report output from a given template name. For example:

```
$file.create($attachedFile, 'overview.html', '')
```

	Name	Type	Description
Parameter(s)	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
	outputFileName	java.lang.String	An output filename.
	importObject	java.lang.Object	An object reference, which will be \$importer in the template file. You can use the \$importer variable in the template file to get data.
Return	-	java.lang.String	An output pathname. It will return an empty string if there is an error.

\$file.create(templateType, templateFilename, outputname, importObject)

Generate a report output from a given template name. For example:

```
$file.create('html', 'overview', 'overview', '')
```

	Name	Type	Description
Parameter(s)	templateType	java.lang.String	A template type such rtf, html, and htm.
	templateFilename	java.lang.String	- The templateFilename parameter can be either an absolute or relative path to a file in the file system. - If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
	outputname	java.lang.String	An output filename without a filename extension.
	importObject	java.lang.Object	An object reference, which will be \$importer in the template file. You can use the \$importer variable in the template file to get data.
Return	-	java.lang.String	An output pathname. It will return an empty string if there is an error.

\$file.create(templateType, attachedFile, outputname, importObject)

Generate a report output from a given template name. For example:

```
$file.create('html', $attachedFile, 'overview', '')
```

	Name	Type	Description
Parameter(s)	templateType	java.lang.String	A template type such rtf, html, and htm.
	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
	outputname	java.lang.String	An output filename without a filename extension.
	importObject	java.lang.Object	An object reference, which will be \$importer in the template file. You can use the \$importer variable in the template file to get data.
Return	-	java.lang.String	An output pathname. It will return an empty string if there is an error.

\$file.createAndWait(templateFilename)

Open a new template engine to generate a report and return a path to generate the file. The generated report will be given the template filename. For example:

```
$file.createAndWait('overview.html')
```

	Name	Type	Description
Parameter(s)	templateFilename	java.lang.String	- The templateFilename parameter can be either an absolute or relative path to a file in the file system. - If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
Return	-	java.lang.String	An absolute path to generate a file.

\$file.createAndWait(attachedFile)

Open a new template engine to generate a report and return a path to generate the file. The generated report will be given the template filename. For example:

```
$file.createAndWait($attachedFile)
```

	Name	Type	Description
Parameter(s)	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
Return	-	java.lang.String	An absolute path to generate a file.

\$file.createAndWait(templateFilename, contextValue)

Open a new template engine to generate a report and return a path to generate the file. The generated report will be named after the template filename. For example:

```
$file.createAndWait('overview.html', $var)
```

	Name	Type	Description
Parameter(s)	templateFilename	java.lang.String	- The templateFilename parameter can be either an absolute or relative path to a file in the file system. - If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
	contextValue	java.lang.Object	An additional object added to a new template context with a default \$importer name.
Return		java.lang.String	

\$file.createAndWait(attachedFile, contextValue)

Open a new template engine to generate a report and return a path to generate the file. The generated report will be named after the template filename. For example:

```
$file.createAndWait($attachedFile, $var)
```

	Name	Type	Description
Parameter(s)	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
	contextValue	java.lang.Object	An additional object added to a new template context with a default \$importer name.
Return		java.lang.String	

\$file.createAndWait(templateFileName, outputFileName, contextValue)

Open a new template engine to generate a report and return a path to generate the file. "importer" will be used as the name of a context value. For example:

```
$file.createAndWait('overview.html', 'overview.html', $var)
```

	Name	Type	Description
Parameter (s)	templateFilename	java.lang.String	- The templateFilename parameter can be either an absolute or relative path to a file in the file system. - If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
	outputFilename	java.lang.String	An output report filename.
	contextValue	java.lang.Object	An additional object added to a new template context with a default \$importer name.
Return		java.lang.String	An absolute path to generate a file.

\$file.createAndWait(attachedFile, outputFileName, contextValue)

Open a new template engine to generate a report and return a path to generate the file. "importer" will be used as the name of a context value. For example:

```
$file.createAndWait($attachedFile, 'overview.html', $var)
```

	Name	Type	Description
Parameter (s)	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
	outputFilename	java.lang.String	An output report filename.
	contextValue	java.lang.Object	An additional object added to a new template context with a default \$importer name.
Return		java.lang.String	An absolute path to generate a file.

\$file.createAndWait(templateFileName, outputFileName, ContextName, contextValue)

Open a new template engine to generate a report and return a path to generate the file. For example:

```
$file.createAndWait('overview.html', 'overview.html', 'var', $var)
```

	Name	Type	Description
Parameter (s)	templateFilename	java.lang.String	- The templateFilename parameter can be either an absolute or relative path to a file in the file system. - If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
	outputFilename	java.lang.String	An output report filename.
	contextName	java.lang.String	Add an object context's name.
	contextValue	java.lang.Object	An additional object added to a new template context with a default \$importer name.
Return	-	java.lang.String	An absolute path to generate a file.

\$file.createAndWait(attachedFile, outputFileName, ContextName, contextValue)

Open a new template engine to generate a report and return a path to generate the file. For example:

```
$file.createAndWait($attachedFile, 'overview.html', 'var', $var)
```

	Name	Type	Description
Parameter(s)	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
	outputFilename	java.lang.String	An output report filename.
	contextName	java.lang.String	Add an object context's name.
	contextValue	java.lang.Object	An additional object added to a new template context with a default \$importer name.
Return	-	java.lang.String	An absolute path to generate a file.

\$file.createAndWait(templateFileName, outputFileName, context)

Open a new template engine to generate a report and return a path to generate the file. For example:

```
$file.createAndWait('overview.html', 'overview.html', $map)
```

	Name	Type	Description
Parameter(s)	templateFileName	java.lang.String	- The templateFileName parameter can be either an absolute or relative path to a file in the file system. - If the file is not found in the file system, the filename would be searched as an Attached File Element in a MagicDraw project in the File property.
	outputFilename	java.lang.String	An output report filename.
	context	java.util.Map<String, Object>	An additional context added to a new template.
Return	-	java.lang.String	An absolute path to generate a file.

\$file.createAndWait(attachedFile, outputFileName, context)

Open a new template engine to generate a report and return a path to generate the file. For example:

```
$file.createAndWait($attachedFile, 'overview.html', $map)
```

	Name	Type	Description
Parameter(s)	attachedFile	com.nomagic.uml2.ext.magicdraw.classes.mdkernel.Element	An Attached File Element.
	outputFilename	java.lang.String	An output report filename.
	context	java.util.Map<String, Object>	An additional context added to a new template.
Return	-	java.lang.String	An absolute path to generate a file.

\$file.copy(inputFilename)

Copy an input file to an output file using the same name in the binary format. For example:

```
$file.copy('icon.gif')
```

	Name	Type	Description
Parameter(s)	inputFilename	java.lang.String	An input filename
Return	-	java.lang.String	An output pathname. It will return an empty string if there is an error.

\$file.copy(inputFilename, outputFilename)

Copy an input file to an output file in the binary format. For example:

```
$file.copy('icon.gif','icon.gif')
```

	Name	Type	Description
Parameter(s)	inputFilename	java.lang.String	An input filename.
	outputFilename	java.lang.String	An output filename.
Return	-	java.lang.String	An output pathname. It will return an empty string if there is an error.

\$file.exists(pathname)

Test if a file denoted by a specific pathname exists. By default, the current directory refers to a template location. For example:

```
$file.exists("$template.resourcesLocation/myimage.png")
$file.exists("C:/myfolder/myimage.png")
$file.exists("mytemplate.txt")
```

	Name	Type	Description
Parameter(s)	pathname	java.lang.String	A pathname string.
Return	-	java.lang.String	True if and only if a file or directory denoted by a specific pathname exists; otherwise, false.

\$file.computeName(directory, name)

Create a pathname string from a given directory and name.

	Name	Type	Description
Parameter(s)	directory	java.lang.String	A parent directory of a file.
	name	java.lang.String	A filename (excludes the filename extension).
Return	-	java.lang.String	A pathname from the given directory and name.

For example:

```
$file.computeName('actors', $ac.ID, 'html')
output: 'actor/_123456789.html'
```

\$file.computeName(directory, name, fileType)

Create a pathname string from a given directory, name, and file type.

	Name	Type	Description
Parameter(s)	directory	java.lang.String	A parent directory of a file.

	name	java.lang.String	A filename (excluding the extension).
	fileType	java.lang.String	A file type, such as rtf, txt, and html.
Return	-	java.lang.String	A pathname from the given directory, name, and file type.