


SSIS Actions

Last Modified on 15 February 2022

EOL: SentryOne Test will reach its [end of life](#) date on June 15, 2022. See the [Solarwinds End of Life Policy](#) for more information.


The SSIS actions allow testing of packages, their properties, and their tasks. A package can be loaded from a package reference asset and then used to get its properties, set its properties, or select individual tasks to execute.

Execute Package

Icon	Description
	The Execute Package action allows launches a package from the test. Decide if the test fails on package failure or continues.

Properties ▾ 🔍 ✕

Action Execute Package ▾




Misc

Fail on package failure	True
IsEnabled	True
Name	Execute Package
Package	No resource selected
Resource key	ExecutePackage_TargetResourceKey
Uniqueld	e2dd1450-337d-4808-a767-bad54791c47b

Function	Description
Fail On Package Failure	Toggle on or off to determine the behavior of the test on package failure.
Package	The resource key of the package you want to execute.
Resource Key	The result of the package is placed in the resource key.

Execute Task

Icon	Description
	The Execute Task action is used together with a Package Reference and Load Package element. Select the task you wish to execute when the test runs.

SentryOne Test Element Editor ▼ □ ✕

Target Package:

Resource Key:


ExecuteTask_TargetResourceKey

Fail on task failure

Last Refreshed: N/A
↻ Refresh

Function	Description
Target Package	The resource key of the package that's used from a previous load package action.
Resource Key	The resource key that stores the result of the package.
Fail on task failure	Specifies whether or not to fail the test if the task being executed fails.
Package Selection Window	A list of available tasks from the chosen package are selectable here.

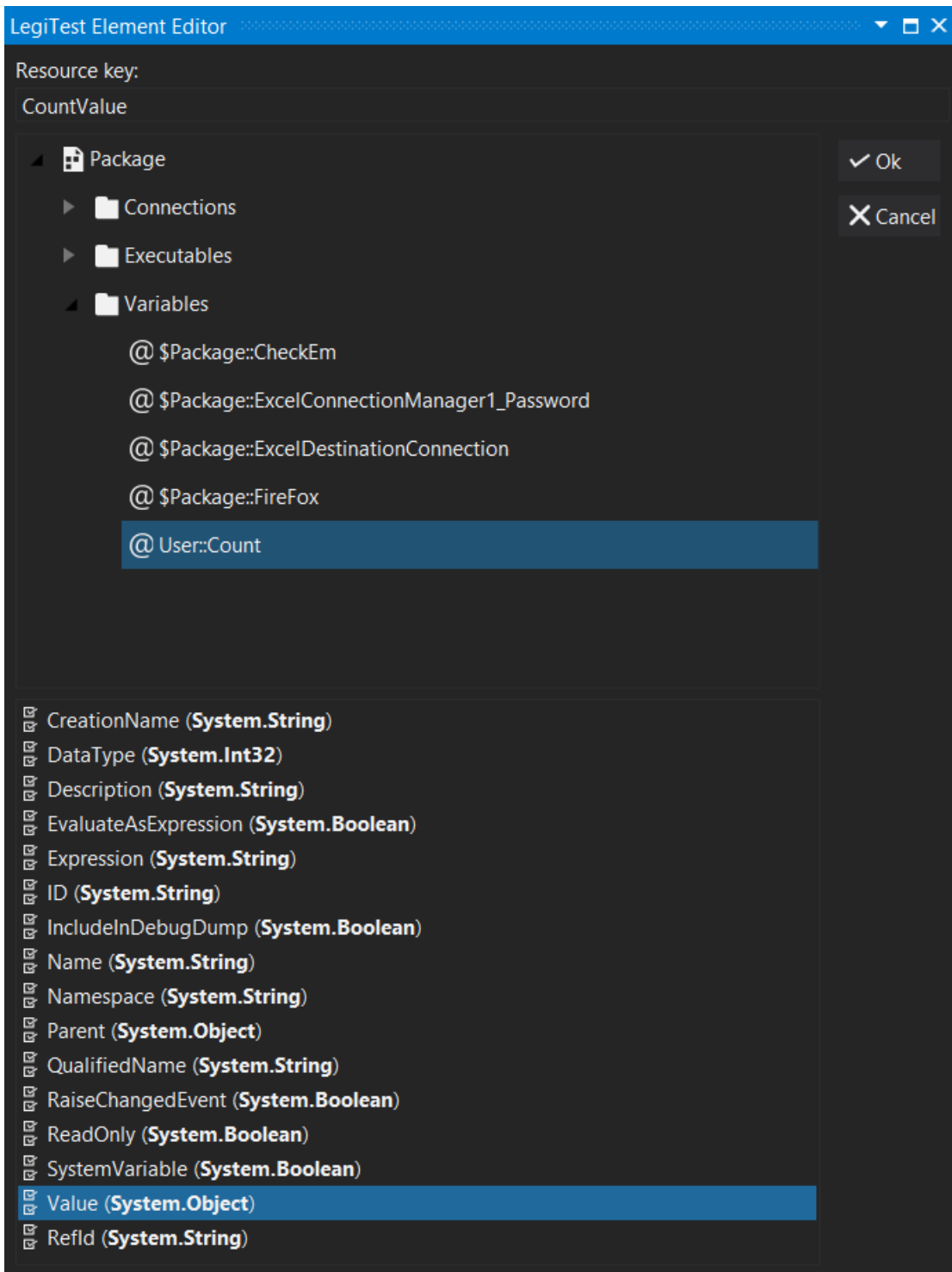
Get Properties

Icon	Description
	The Get Properties action gets the properties of various items of a package. For example, getting the value of a variable, or getting the type of a parameter or variable.


Icon	Description
SentryOne Test Element Editor	
Target Package:	
<div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>	
Properties to get:	<div style="border: 1px solid #ccc; width: 100%; height: 100%;"></div>
	<div style="display: flex; flex-direction: column; gap: 5px;"> <div style="background-color: #e0e0e0; padding: 2px 5px; border: 1px solid #ccc;">+ Add</div> <div style="background-color: #e0e0e0; padding: 2px 5px; border: 1px solid #ccc;">✎ Edit</div> <div style="background-color: #e0e0e0; padding: 2px 5px; border: 1px solid #ccc;">🗑 Delete</div> <div style="background-color: #e0e0e0; padding: 2px 5px; border: 1px solid #ccc;">🔄 Refresh</div> </div>
Last Refreshed: N/A	


Function	Description
Target Package	The package reference key from the previous load package action.
Properties to get	A list of properties to retrieve when this action runs.
Add	Select Add to open the Add Property window. Select the package, the object, and then the property in the Add Property window. The value of the property can be set to a resource key defined at the top of the editor.
Edit	Select Edit to open the Add screen with the selected property in focus.
Delete	Deletes the selected property from the get list.

Example: In this image, the data type of the count variable is being retrieved and stored in the resource bag with the key CountValue.




Load Package

Icon	Description
	<p>The Load Package action prepares a package from a package reference asset and gives it a resource key to use in another element.</p>

Icon	Description										
Properties ▼ ⌵ ✕											
Action Load Package ▼											
											
<div style="border: 1px solid #ccc; padding: 5px;"> Misc <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>IsEnabled</td> <td>True</td> </tr> <tr> <td>Name</td> <td>Load Package</td> </tr> <tr> <td>Package reference asset</td> <td>No asset selected</td> </tr> <tr> <td>Resource key</td> <td>LoadPackage_TargetResourceKey</td> </tr> <tr> <td>Uniqueld</td> <td>db4b2275-10f1-422c-b85a-92f50d96e1da</td> </tr> </table> </div>		IsEnabled	True	Name	Load Package	Package reference asset	No asset selected	Resource key	LoadPackage_TargetResourceKey	Uniqueld	db4b2275-10f1-422c-b85a-92f50d96e1da
IsEnabled	True										
Name	Load Package										
Package reference asset	No asset selected										
Resource key	LoadPackage_TargetResourceKey										
Uniqueld	db4b2275-10f1-422c-b85a-92f50d96e1da										

Function	Description
Package Reference Asset	The package asset previously defined.
Resource Key	The location where the package is stored. This is used to select the package in the execute package element.

Set Properties

Icon	Description
	<p>The Set Properties actions sets the properties of a package during the test run. Set multiple properties using just the one element.</p>

SentryOne Test Element Editor
▼ □ ✕

Target Package:

Properties to set:

+ Add

✎ Edit

🗑️ Delete

🔄 Refresh

Last Refreshed: N/A

Function	Description
Target Package	The reference key of the package to use.
Properties to set	The list of properties added to the element you want to set.
Add	Opens the Add Property window where you select the property to change.
Edit	Opens the Add Property window with the focus on the selected property.
Delete	Deletes the selected property from the set editor.

In this image the variable @User::Count is having its value set to 23456.

Value:

C:\Program Files (x86)\Google\Chrome\Application\chrome.exe

Package

▶ Connections

▶ Executables

▶ Variables

@ \$Package::CheckEm

@ \$Package::ExcelConnectionManager1_Password

@ \$Package::ExcelDestinationConnection

@ \$Package::FireFox

@ User::Count

✓ Ok

✕ Cancel

CreationName (**System.String**)

DataType (**System.Int32**)

Description (**System.String**)

EvaluateAsExpression (**System.Boolean**)

Expression (**System.String**)

ID (**System.String**)

IncludeInDebugDump (**System.Boolean**)

Name (**System.String**)

Namespace (**System.String**)

Parent (**System.Object**)

QualifiedName (**System.String**)

RaiseChangedEvent (**System.Boolean**)

ReadOnly (**System.Boolean**)

SystemVariable (**System.Boolean**)

Value (**System.Object**)

RefId (**System.String**)