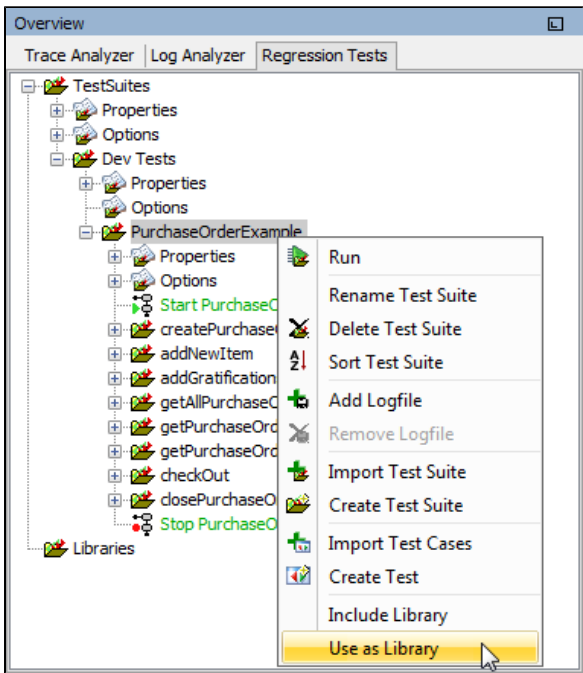


Using a Test Suite as a Library

Converting a Test Suite to a Library

A test suite can be converted into a library, so that the same test suite can be used in multiple tests. The library includes all tests and options.



Select **PurchaseOrderExample** and select **Use as Library** from the context menu.



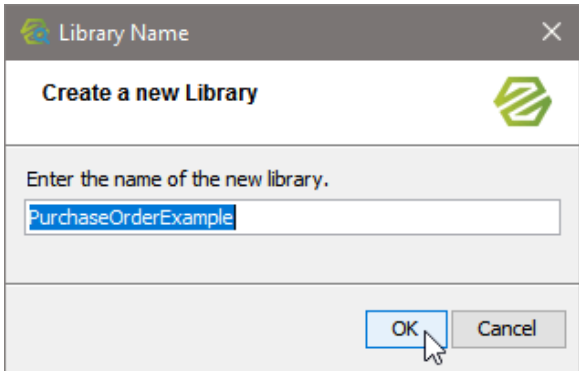
[Adding Build and Deploy Tests](#)



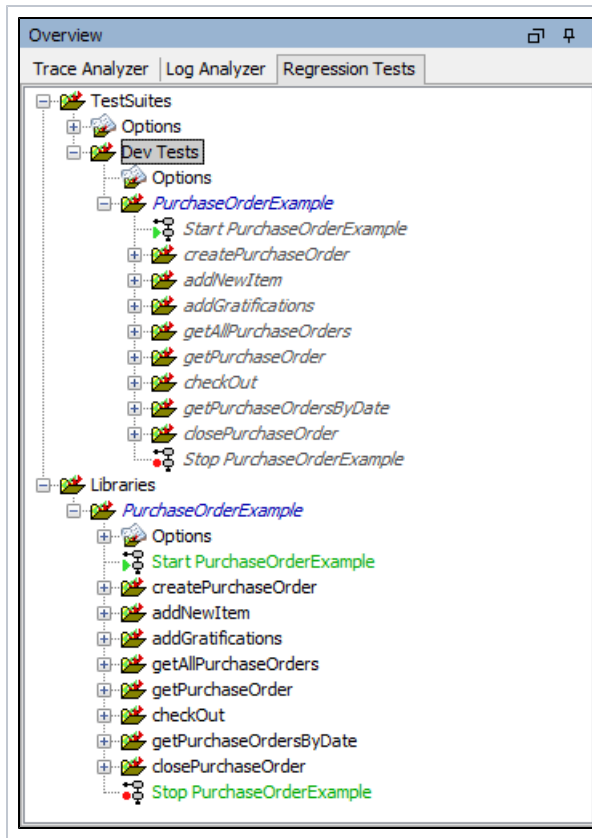
[Adding Build and Deploy Tests](#)

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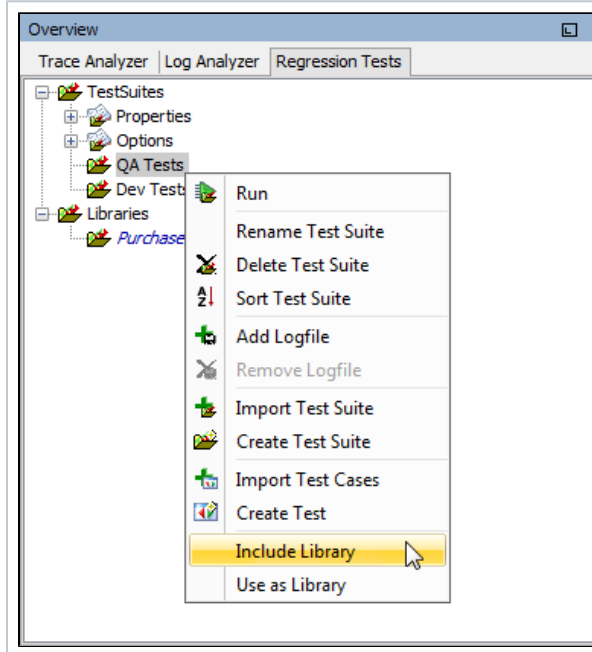
Enter the name of the library and click **OK**.



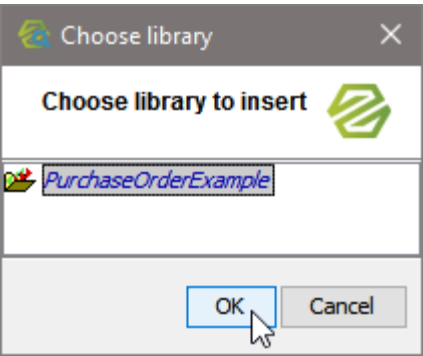
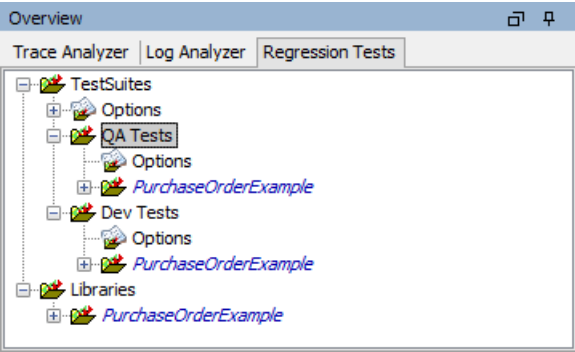
The **PurchaseOrderExample** test suite has been added as a test library to project **PS tate** in the Regression Test Tool. In test suite **Dev Tests** it is used as a library now and can't be changed anymore. All changes have to be done in the library now.

Using the Library in Multiple Test Suites

In addition to test suite **Dev Tests**, create a new test suite **QA Tests** as shown below. Both test suites will perform the same purchase order tests.

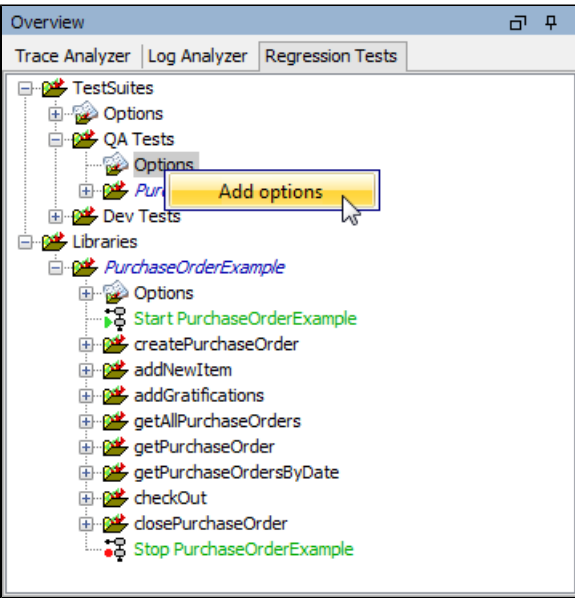


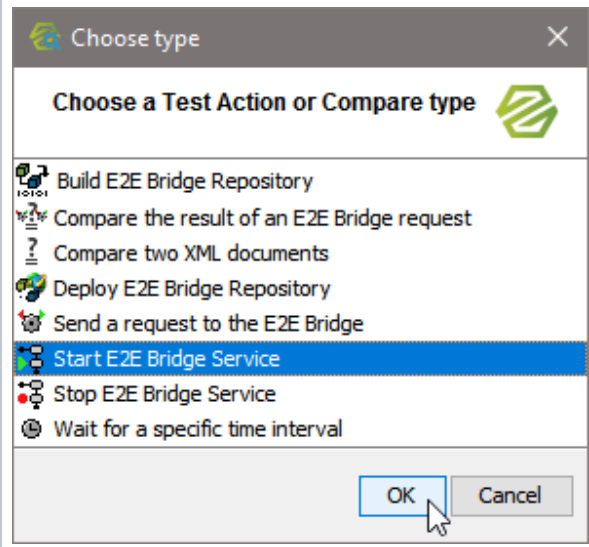
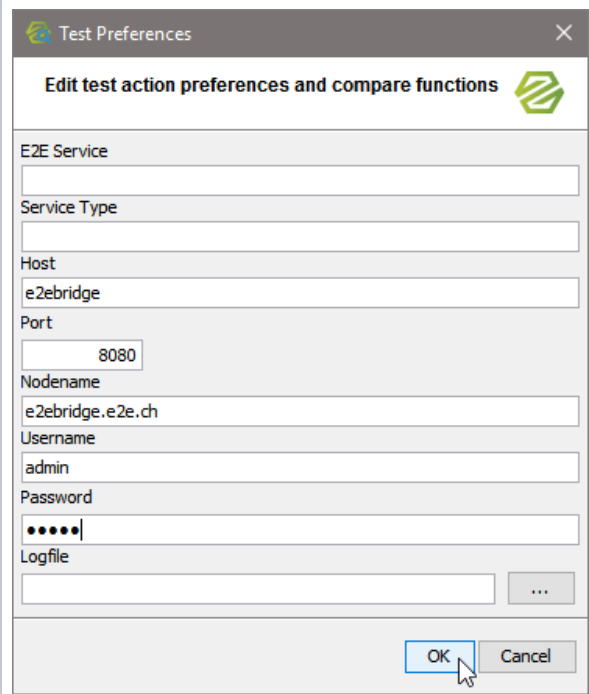
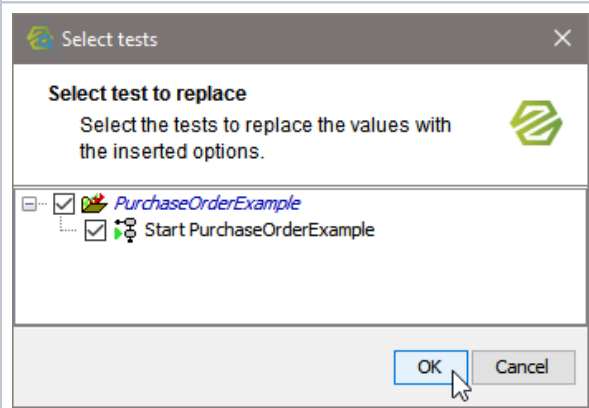
Select test suite **QA Tests** and select **Include Library** from the context menu.

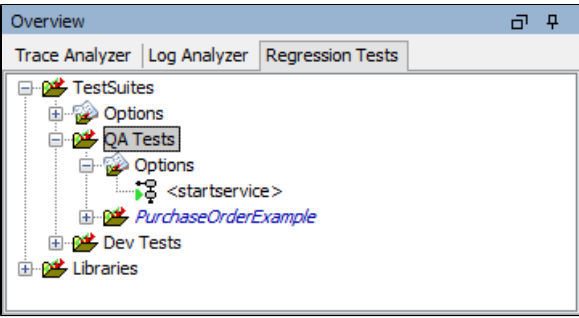
	<p>Select the library PurchaseOrderExample and click OK.</p>
	<p>PurchaseOrderExample is included as a library into test suite QA Tests. Both test suites QA Tests and Dev Tests now deliver the same result.</p>

Overwriting Options in the Library

Now, the QA tests should not go to localhost but to another Bridge, e.g. a QA server.

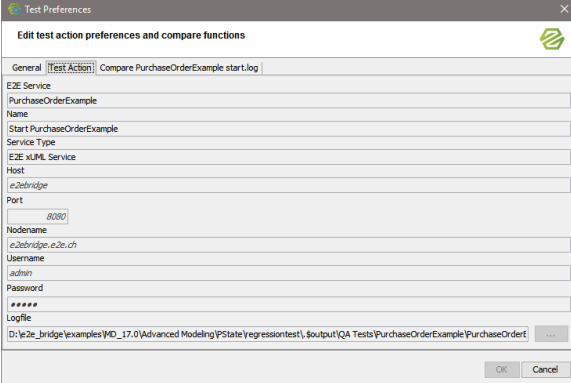
	<p>This can be achieved by adding options to test suite QA Tests.</p>
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 <p>The 'Choose type' dialog box has a title bar with a close button. Below the title bar is a header 'Choose a Test Action or Compare type' with a green icon. A list of actions is shown: 'Build E2E Bridge Repository', 'Compare the result of an E2E Bridge request', 'Compare two XML documents', 'Deploy E2E Bridge Repository', 'Send a request to the E2E Bridge', 'Start E2E Bridge Service' (highlighted in blue), 'Stop E2E Bridge Service', and 'Wait for a specific time interval'. At the bottom are 'OK' and 'Cancel' buttons.</p>	<p>Add Start Bridge Service options.</p>
 <p>The 'Test Preferences' dialog box has a title bar with a close button. Below the title bar is a header 'Edit test action preferences and compare functions' with a green icon. It contains several input fields: 'E2E Service' (empty), 'Service Type' (empty), 'Host' (containing 'e2ebridge'), 'Port' (containing '8080'), 'Nodename' (containing 'e2ebridge.e2e.ch'), 'Username' (containing 'admin'), 'Password' (containing masked characters), and 'Logfile' (empty with a browse button). At the bottom are 'OK' and 'Cancel' buttons.</p>	<p>Enter the divergent connection data and remove all other options you don't want to overwrite.</p>
 <p>The 'Select tests' dialog box has a title bar with a close button. Below the title bar is a header 'Select test to replace' with a green icon. Below the header is the text 'Select the tests to replace the values with the inserted options.' A list of tests is shown: 'PurchaseOrderExample' (with a checkbox) and 'Start PurchaseOrderExample' (with a checkbox). At the bottom are 'OK' and 'Cancel' buttons.</p>	<p>Click OK to replace the options in the selected tests, in this case Start PurchaseOrderExample.</p>



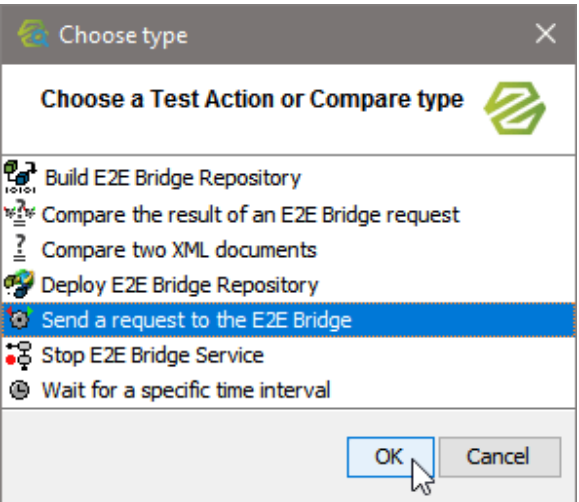
The <startservice> options have been added to the test suite. Add **Stop Bridge Service** options, too.

Look at the **Test Action** tab of the preferences of the test **Start PurchaseOrderExample**.

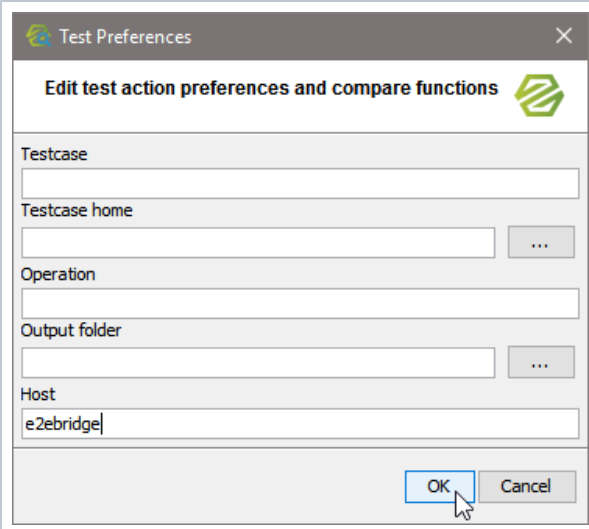
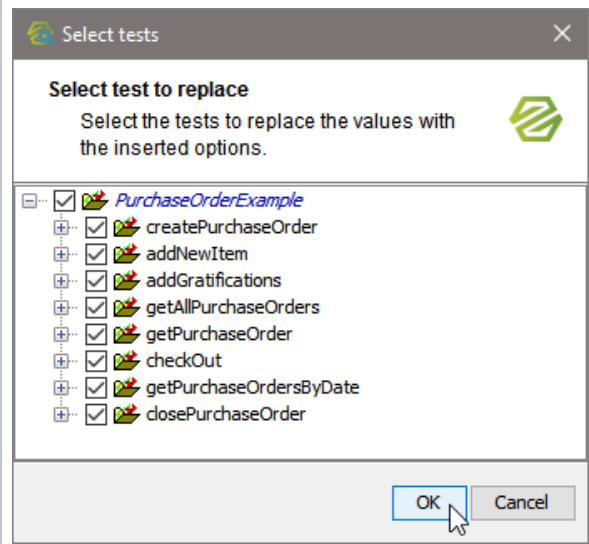


You can't change these preferences as the test is coming from a library. Nevertheless, the options got applied: see the connection data displayed in italics. This indicates, that the data is coming from options.

Next, you need to overwrite the connection data in the test cases, too.



Add options of option type **Send a request to the Bridge**.

 <p>The 'Test Preferences' dialog box is shown. It has a title bar with a close button. Below the title bar is a subtitle 'Edit test action preferences and compare functions' and a green icon. The dialog contains several input fields: 'Testcase' (empty), 'Testcase home' (empty with a browse button), 'Operation' (empty), 'Output folder' (empty with a browse button), and 'Host' (containing 'e2ebridge'). At the bottom are 'OK' and 'Cancel' buttons. A mouse cursor is pointing at the 'OK' button.</p>	<p>Enter the divergent host and remove all other options you don't want to overwrite.</p>
 <p>The 'Select tests' dialog box is shown. It has a title bar with a close button. Below the title bar is a subtitle 'Select test to replace' and a green icon. Underneath is the instruction 'Select the tests to replace the values with the inserted options.' Below this is a list of tests from the 'PurchaseOrderExample' library, each with a checkbox and a small icon. The tests are: 'createPurchaseOrder', 'addNewItem', 'addGratifications', 'getAllPurchaseOrders', 'getPurchaseOrder', 'checkOut', 'getPurchaseOrdersByDate', and 'closePurchaseOrder'. All checkboxes are checked. At the bottom are 'OK' and 'Cancel' buttons. A mouse cursor is pointing at the 'OK' button.</p>	<p>Click OK to replace the options in the selected tests, in this case all SOAP calls.</p>

You now have the **Dev Tests** running on localhost, and the **QA Tests** running on another host with the service that was deployed there. Both are using the same tests from library **PurchaseOrderExample**.

Adding an Additional Test to the Library

Now you have your tests running on two Bridges, you may want to automatically deploy the service to these Bridges. To do this, you have to add a deploy test to library **PurchaseOrderExample**.