

Lab Exercise

Test Case Portability

1. Create a parameter for the expected firmware value
 1. Navigate to the **Parameters** page of your test case
 2. Click the yellow **+** button to add a parameter
 3. Name the new parameter **expected_firmware**
 4. Fill in the value field and enter a good description
2. Replace the hard-coded firmware value in the test case
 1. Expand the analysis rule on the **show chassis firmware** step
 2. On the **assert** line, replace the firmware version with the parameter function **param('expected_firmware')**

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3. Add a port to the DUT device in the topology
 1. In the topology file, select the **DUT** device
 2. In the properties view, click the yellow **+** button, then **Add Port**
 3. Set the **name** property to **prim_int**
 4. Set the **inventoryName** property to **ge-0/0/0**

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4. Replace the hard-coded interface name with a TBML command
 1. In the **show interfaces brief** step, highlight the interface name, right click, and choose **Insert, Tbml Command...**
 2. Choose **Find a property value** and click **Next**
 3. Choose **On a resource** and click **Next**
 4. Choose **By Name** and click **Next**
 5. Expand the **DUT** resource, and select the **prim_int** port. Click **Next**.
 6. Select **inventoryName** and click **Next**
 7. Complete the wizard.
 8. Add square brackets around the new TBML command. The command used should be `[tbml('property', '-name','DUT prim_int', 'inventoryName')]`

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Variables

1. Modify your execution issue messages to reference the expected and actual firmware values in the **show chassis firmware** step

▼	When True		
	✔ PassTestIfNotAlreadyFa		
	DeclareExecutionIssue		OK:DUT running correct firmware [value]
▼	When False		
	✘ FailTest		
	DeclareExecutionIssue		Error:DUT running [value], expected [param('expected_firmware')]. Test will abort.
	ExitProcedure		

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Variables

2. Store the DUT's primary interface name in a variable
 1. Add a step at the beginning of the test case
 2. Set the action to **eval**
 3. Set the description to **prim_int_name = tbml('property', '-name','DUT prim_int', 'inventoryName')**. Use the TBML command wizard if desired.
3. Replace the TBML command with a reference to the variable in the **show interfaces brief** command
4. Make the execution messages of the **show interfaces** command more informative by adding the name of the port