**StormRunner Automation Project with Java**

**Test Cases:**

1. **Login to Storm Runner & Entering the Tenant**

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|  | **Step** | **Expected Result** |
| **1.** | Browse to StormRunner Login Page:  <https://login.software.microfocus.com/msg/actions/showLogin> | The login page should appear requesting to enter an Email |
| **2.** | Enter your email address & click “**Continue**” | You should be focused on the “password” field to be entered |
| **3.** | Enter your password & click “**SIGN IN**” | You should be re-direct to “MyAccount” page: <https://home.software.microfocus.com/myaccount/#/myProducts>  And see one tenant named: “StormRunner Load” |
| **4.** | In the “MyAccount” page, click the “**LAUNCH**” button. | You should be logged in to your tenant :  <https://stormrunner-load.saas.microfocus.com/?TENANTID=175726009> |
| **5.** | **Verify** that you are logged in with your user name:  And the account name is: ‘Benny Java Automation” | The logged in name in the right upper corner should be : “Benny Mizrachi” & Account Name: “Benny Java Automation” |

1. **Creating & Deleting a new load test**

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|  | **Step** | **Expected Result** |
| **1.** | Login to your tenant :  <https://stormrunner-load.saas.microfocus.com/home/?TENANTID=175726009&projectId=1> | You should see the "Home" page |
| **2.** | Click the "**Load Tests**" tab | You should move to the "Load Tests" page.  (The title should be "Load Tests") |
| **3.** | Click the "**Create**" button | A new test should be created with a default name: "New Test". |
| **4.** | Delete the default test name "New Test" and set the following new name "**This is Benny TEST !**". | The new test name should be presented in the breadcrumbs above: "Load Test > **This is Benny TEST !**" |
| **5.** | Click the "**Description**" text box and enter the following Desc:  “This is the Description of the Automated Test taken from "MainConfig" file as a Test Description parameter !" | The description should be shown in the text box. |
| **6.** | Click the "**Load Tests**" tab in the upper menu. | You should move to the "Load Tests" page. |
| **7.** | **Verify** that you can see the new created load test in the list of tests, under ‘Test Name’ column. | The new Load Test should appear in the list of Load Tests. |
| **8.** | Select your script and click the "**Delete**" button. | The “**Confirm to delete load test**” pop up confirmation message should appear. |
| **9.** | Click “**Delete**” button in the confirmation message. | The pop up message should disappear and the test should be deleted from the grid. |
| **10.** | **Verify** that the test doesn't appear in the "Load Tests" grid (under “Test Name” column). | The test shouldn't appear in the "Load Tests" page. |

1. **Attaching & Detaching a label to a script**

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|  | **Step** | **Expected Result** |
| **1.** | Login to your tenant :  <https://stormrunner-load.saas.microfocus.com/home/?TENANTID=175726009&projectId=1> | You should see the '**Home**' page |
| **2.** | Click on '**Assets**' tab | You should see the '**Assets -> Scripts**' page |
| **3.** | click on **'Expand Labels Pane**' button | The '**Labels**' pane should be expanded |
| **4.** | Click on **'Create label**' button for creating new label | The '**New Label**' dialog should be opened |
| **5.** | Enter Label Name: '**StormRunner\_Label**' | The label name should appear in the 'Label name' field. |
| **6.** | Click on '**Save**' button | The dialog should be closed and the new label should appear in the left pane. |
| **7.** | Click on '**Collapse Labels Pane**' button for closing the Labels Pane | The labels pane should be collapsed |
| **8.** | Click on the **'Assign Labels'** drop down list | The drop down list of all existing labels should appear |
| **9.** | Click the **checkbox** of the new added label | Your label should be checked |
| **10.** | Click **'Save'** for attaching the label to the script | The labels drop down should be closed and the label should be **attached** to the selected script |
| **11.** | Click on **'Expand Labels Pane'** button for opening the Labels Pane | The labels pane should be expanded |
| **12.** | Clicking on **'...'** of your new label to open its options | The drop-down menu of the label should appear |
| **13.** | Choose the **'Remove'** option to remove the label | The '**Remove Label**' dialog should open |
| **14.** | Click **'Remove'** button in the 'Remove Label' dialog | The label should be **removed** from the left pane & be **detached** from the selected script |
| **15.** | Click on **'Collapse Labels Pane'** button for closing the Labels Pane | The labels pane should be collapse |

1. **Creating and Deleting new Monitor**

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|  | **Step** | **Expected Result** |
| **1.** | Login to your tenant :  <https://stormrunner-load.saas.microfocus.com/home/?TENANTID=175726009&projectId=1> | You should see the '**Home**' page |
| **2.** | Click on '**Assets-> Monitors** ' tab | You should see the '**Assets -> Monitors** page |
| **3.** | Click on **'Create'** button | The **'New Monitor'** dialog should open |
| **4.** | Click on '**SiteScope**' monitor | The 'New Monitor' dialog of SiteScope monitor should open |
| **5.** | Enter the value: '10.20.30.40' in the SiteScope **'server name**'. | The 'Server Name' field should have the value '10.20.30.40' |
| **6.** | Enter the value: **'This is the monitor description**' in the SiteScope **'Description'** field | The **'Description'** field should have the value **'This is the monitor description**' |
| **7.** | Enter the value: **'Sitescope\_user'** in the SiteScope  **'User name'** field. | The **'User Name'** field should have the value **'Sitescope\_user'** |
| **8.** | Click **'Save'** for saving the new SiteScope server | The **'New Monitor**' dialog should be **closed** and the new monitor should be **added** to the list of monitors |
| **9.** | Check the checkbox of the new added monitor for deletion | The new monitor should be checked and marked with blue color background |
| **10.** | Click **'Delete'** for deleting the monitor | The **'Delete Monitor'** confirmation dialog should be opened |
| **11.** | Click **'Yes'** to confirm the deletion of the monitor | The **'Delete Monitor'** dialog should be **closed** and the monitor should be **deleted** from the monitors grid. |

1. **Creating and Deleting new Load Generator**

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|  | **Step** | **Expected Result** |
| **1.** | Login to your tenant :  <https://stormrunner-load.saas.microfocus.com/home/?TENANTID=175726009&projectId=1> | You should see the '**Home**' page |
| **2.** | Click on '**Assets-> Load Generators** ' tab | You should see the '**Assets -> Load Generators** page |
| **3.** | Click on **'Create'** button | The **'New Load Generator'** dialog should open |
| **5.** | Enter the value: **'StormRunner Load Generator**' in the **'Name'** field | The '**Name**' field should have the value **'StormRunner Load Generator**' |
| **6.** | Enter the value: **'This is the description of the StormRunner Load Generator'** in the **'Description'** field | The **'Description'** field should have the value **'This is the description of the StormRunner Load Generator'** |
| **8.** | Click **'Save'** for saving the new Load Generator server | The **'New Load Generator'** dialog should be **closed** and the new Load Generator should be **added** to the list of load generators |
| **9.** | Check the checkbox of the new added 'Load Generator' for deletion | The new Load Generator should be checked and marked with blue color background |
| **10.** | Click **'Delete'** for deleting the Load Generator | The **'Delete Load Generator** confirmation dialog should be opened |
| **11.** | Click **'Yes'** to confirm the deletion of the Load Generator | The **'Delete Load Generator** dialog should be **closed** and the Load Generator should be **deleted** from the Load Generators grid. |

1. **Checking Load Test Distribution**

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|  | **Step** | **Expected Result** |
| **1.** | Login to your tenant :  <https://stormrunner-load.saas.microfocus.com/home/?TENANTID=175726009&projectId=1> | You should see the '**Home**' page |
| **2.** | Click on ‘**Load Tests’**  tab | You should see the list of all Load Tests. |
| **3.** | Click on **'Create'** button for creating a new test | A new page for creating new test should be opened |
| **4.** | Enter Load Test ‘**Name’**: “This is Benny TEST !” | The ‘**Name’** field should have the value: ‘This is Benny TEST !’ |
| **5.** | Enter Load Test ‘**Description’**:  ‘This is the Description of the Automated Test taken from "MainConfig" file as a Test Description parameter !’ | The ‘**Description’** field should have the value :  ‘This is the Description of the Automated Test taken from "MainConfig" file as a Test Description parameter !’ |
| **6.** | Click the **'Scripts'** tab for adding a script to the test | You should be navigated to the ‘**Scripts’** page for adding a script to your test |
| **7.** | Clicking **'Add from Assets'** button to open the list of scripts | The ‘**Scripts’** dialog should be opened |
| **8.** | Click on the script ‘**12\_01\_Web\_PeaceFul\_71\_NOV\_2016’** | The checkbox of the script should be **checked** and its background should be marked in blue |
| **9.** | Click **'Add'** to add the selected script to the test | The ‘**Scripts’** dialog should be closed and the script should be added to the ‘**scripts’** page |
| **10.** | Click **'Distribution'** tab in left menu | The **'Distribution'** dialog should be opened |
| **11.** | Click **'Edit Locations'** button | The ‘**Cloud Locations’** dialog should be opened |
| **12.** | Click on the following regions and then click ‘**OK’**:   * **Mumbai** * **California** * **Ireland** | The **‘Cloud Locations’** dialog should get closed and you should see the following 4 locations in the grid:   * **Mumbai** * **California** * **Ireland** * **Virginia** |
| **13.** | Set the following % of distribution for the selected regions as follows:   * **Mumbai = 20%** * **California = 30%** * **Ireland= 50%** | Since the total of the 4 regions sum to 200%, you should see the ‘**Run Test**’ button in the upper right corner **disabled** with the following tooltip:  “**Your test definition contains an error. Look for the notification icon in the test sidebar to locate the error**” |
| **14.** | Click on **‘x’** icon of **‘Virginia’** region to remove it and stay with total of 100% distribution | **Virginia** region should be **deleted** from the list of regions |
| **15.** | Verify that the **‘Run Test’** button is enabled and has the tooltip: **‘Start your test run**’ | The warning message should disappear & the ‘Run Test’ button should be enabled.  The tooltip of the button should be:  **‘Start your test run’** |
| **16.** | Move back to the list of all tests by clicking the **‘Load Tests’** tab | You should see the list of all existing tests including **your** new load test |
| **17.** | Click ‘**Delete’** button for your selected test | The ‘**Confirm to delete load test**’ dialog should be opened |
| **18.** | Click ‘**Delete’** button to confirm the deletion of the test | The test should be **deleted** from the list of tests |
| **19.** | **Verify** that the test was **removed** from the list of tests | Your test **shouldn’t** appear in the grid |

1. **Creating 'Advanced Scheduling' Test**

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|  | **Step** | **Expected Result** |
| **1.** | Login to your tenant :  <https://stormrunner-load.saas.microfocus.com/home/?TENANTID=175726009&projectId=1> | You should see the '**Home**' page |
| **2.** | Click on ‘**Load Tests’**  tab | You should see the list of all Load Tests. |
| **3.** | Click on **'Create'** button for creating a new test | A new page for creating new test should be opened |
| **4.** | Enter Load Test ‘**Name’**: “This is Benny TEST !” | The ‘**Name’** field should have the value: ‘This is Benny TEST !’ |
| **5.** | Enter Load Test ‘**Description’**:  ‘This is the Description of the Automated Test taken from "MainConfig" file as a Test Description parameter !’ | The ‘**Description’** field should have the value :  ‘This is the Description of the Automated Test taken from "MainConfig" file as a Test Description parameter !’ |
| **6.** | Click the **'Scripts'** tab for adding a script to the test | You should be navigated to the ‘**Scripts’** page for adding a script to your test |
| **7.** | Clicking **'Add from Assets'** button to open the list of scripts | The ‘**Scripts’** dialog should be opened |
| **8.** | Click on the script ‘**12\_01\_Web\_PeaceFul\_71\_NOV\_2016’** | The checkbox of the script should be **checked** and its background should be marked in blue |
| **9.** | Click **'Add'** to add the selected script to the test | The ‘**Scripts’** dialog should be closed and the script should be added to the ‘**scripts’** page |
| **10.** | Click **'Scripts'** tab for adding a script to the test | You should be navigated to the 'Scripts' page of the test |
| **11.** | Click **'Add from Assets'** button to open the list of scripts | The **'Scripts'** dialog should be opened |
| **12.** | Click the script: **'12\_01\_Web\_PeaceFul\_71\_NOV\_2016'** for selecting it | The checkbox of the script should be **checked** and the background of the script should be blue |
| **13.** | Click **'Add'** to add the selected script to the test | The **'Scripts'** dialog should get closed and the script should be added to the scripts section of the test |
| **14.** | Click **'Expand Script properties Icon'** to open script properties | The script scheduling options should appear down the script |
| **15.** | Click on **'Advanced scheduling'** option | The option **'Advanced'** should be selected |
| **16.** | Click on **'Edit'** Advanced scheduling button | The scheduling **dialog** for script: '12\_01\_Web\_PeaceFul\_71\_NOV\_2016' should be opened |
| **17.** | Enter the **'Ramp Up'** values as follows:   * Hours = 0 * Minutes=0 * Seconds=10 * Vusers=2 * Total Vusers=10 | All **'Ramp Up'** fields should have the required values. |
| **18.** | Enter the **'Duration'** values as follows:   * Hours = 0 * Minutes=5 * Seconds=0 | All **'Duration'** fields should have the required values. |
| **19.** | Enter the '**Tear Down'** values as follows:   * Hours = 0 * Minutes=0 * Seconds=10 * Vusers=2 | All **'Tear Down'** fields should have the required values. |
| **20.** | Click **'Apply'** for saving the Advanced Scheduling settings | The scheduling dialog should get closed and the updated Vusers graph should appear down the script |
| **21.** | Click **'Distribution'** tab in left menu | The **'Distribution'** dialog should be opened |
| **22.** | Click **'Edit Locations'** button | The ‘**Cloud Locations’** dialog should be opened |
| **23.** | Click on the following regions and then click ‘**OK’**:   * **Mumbai** * **California** * **Ireland** | The **‘Cloud Locations’** dialog should get closed and you should see the following 4 locations in the grid:   * **Mumbai** * **California** * **Ireland** * **Virginia** |
| **24.** | Set the following % of distribution for the selected regions as follows:   * **Mumbai = 20%** * **California = 30%** * **Ireland= 50%** | Since the total of the 4 regions sum to 200%, you should see the ‘**Run Test**’ button in the upper right corner **disabled** with the following tooltip:  “**Your test definition contains an error. Look for the notification icon in the test sidebar to locate the error**” |
| **25.** | Click on **‘x’** icon of **‘Virginia’** region to remove it and stay with total of 100% distribution | **Virginia** region should be **deleted** from the list of regions |
| **26.** | Verify that the **‘Run Test’** button is enabled and has the tooltip: **‘Start your test run**’ | The warning message should disappear & the ‘Run Test’ button should be enabled.  The tooltip of the button should be:  **‘Start your test run’** |
| **27.** | Move back to the list of all tests by clicking the **‘Load Tests’** tab | You should see the list of all existing tests including **your** new load test |
| **28.** | Click ‘**Delete’** button for your selected test | The ‘**Confirm to delete load test**’ dialog should be opened |
| **29.** | Click ‘**Delete’** button to confirm the deletion of the test | The test should be **deleted** from the list of tests |
| **30.** | **Verify** that the test was **removed** from the list of tests | Your test **shouldn’t** appear in the grid |

1. **Creating multiple topologies with data provider**

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|  | **Step** | **Expected Result** |
| **1.** | Login to your tenant :  <https://stormrunner-load.saas.microfocus.com/home/?TENANTID=175726009&projectId=1> | You should see the '**Home**' page |
| **2.** | Click on ‘**Load Tests -> Topologies’**  tab | You should see the page of **'Topologies'**. |
| **3.** | Click on **'Create'** button | The **'New Topology'** dialog for creating new **topology** should be opened |
| **4.** | Enter the value: **'Topology1'** in the **'name'** field  Note:  The next 2 iterations will use the values:   * **'Topology2'** * **'Topology3'** | The **'name**' field should have the value: **'Topology1'** |
| **5.** | Enter the value: **'Topology1 Description'** in the **'Description'** field  Note:  The next 2 iterations will use the values:   * **'Topology2 Description'** * **'Topology3 Description'** | The **'Description'** field should have the value: **'Topology1 Description'** |
| **6.** | Click on the **monitor**: '2.3.4.5' to be part of the Topology | The **monitor** '2.3.4.5' should be selected with blue background |
| **7.** | Click **'Save'** for saving the new Topology | The **'The New Topology'** dialog should get closed and the topology should be added to the list of topologies. |
| **8.** | **Repeat** all steps above according to the entries that exist in 'Topologies.csv' file | All above step should repeat the number of times that appear in 'Topologies.csv' file |
| **9.** | Click the **Checkbox** for selecting **ALL** Topologies | **All** topologies in the grid should be selected |
| **10.** | Click **'Delete'** for deleting all selected topologies | The **'Delete Topology'** dialog should appear |
| **11.** | Click **'Yes'** to confirm deletion of all selected topologies | All topologies should be deleted from the grid. |
| **12.** | Verify that the **'No Data'** message appears on screen | The message 'No Data' message should appear on screen |

1. **Viewing 'Single User Performance' reports**

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|  | **Step** | **Expected Result** |
| **1.** | Login to your tenant :  <https://stormrunner-load.saas.microfocus.com/home/?TENANTID=175726009&projectId=1> | You should see the '**Home**' page |
| **2.** | Click on **'Results'**  tab | You should see the **'Results'** page with all run IDs |
| **3.** | Click the **drop down** menu of Run Id 3 | The drop down menu should appear |
| **4.** | Click the **'Single User Performance'** option in the menu | You should be navigated to the **'Single User Performance**' tab |
| **5.** | Check that the **'Client Side Breakdown'** sub-tab is selected by default | The **'Client Side Breakdown'** tab should be selected and the **'NV Insights Report'** should be presented |
| **6.** | Verify that the title of the CSB is **'NV Insights Report'** | The title of the report should be **'NV Insights Report'** |
| **7.** | Click on **'Web Page Test Report'** tab | You should be navigated to **'Web Page Test Report'** |
| **8.** | Verify that the title of the WebPage Test Report is **'WebPage Test report'** | The title of the report should be: **'WebPage Test report'** |