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Ixchariot – User MANUAL

Bell Canada; ATL Lab

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| --- |
| **Revisions** |

| Version | Primary Author(s) | Description of Version | Date Completed |
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| **Review & Approval** |

Requirements Document Approval History

| Approving Party | Version Approved | Signature | Date |
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Contents

[1. Configuring Common Parameters 3](#_Toc513467321)

[2. Configuring Test Parameters 7](#_Toc513467322)

[3. Configuring Result Arguments 13](#_Toc513467323)

[4. Creating Test Case 15](#_Toc513467324)

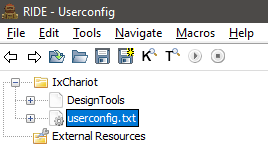
[5. Executing Test Case 18](#_Toc513467325)

[6. Execution Reports 22](#_Toc513467326)

[7. Execution Logs 24](#_Toc513467327)

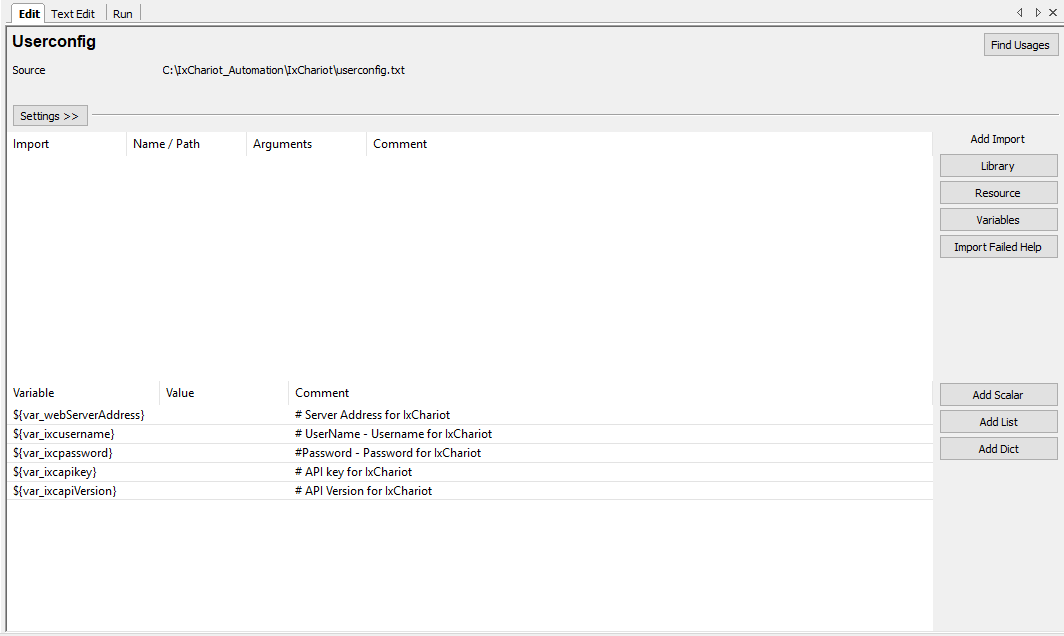
## Configuring Common Parameters

* + - 1. From the left panel, click on the **userconfig.txt**.

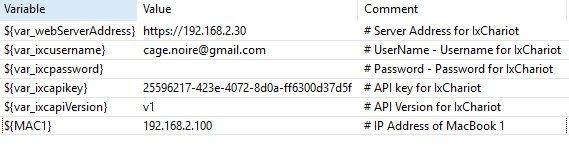


* + - 1. On the right, it will open the edit tab of the userconfig.txt.

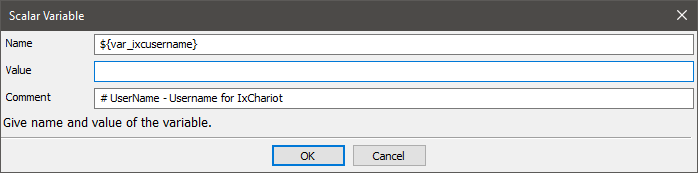
Here the user will find the common parameters and the values for each of them.



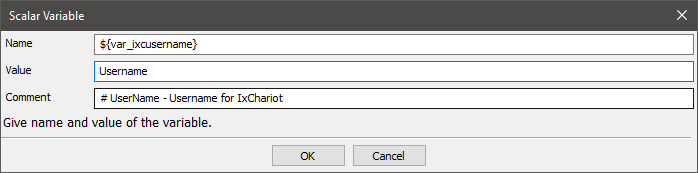
* + - 1. The user has to provide the values for username, password, API key, API version and the IP address for IxChariot web version.



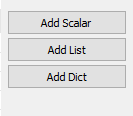
* + - 1. Double click on the variable name, pop up will appear.



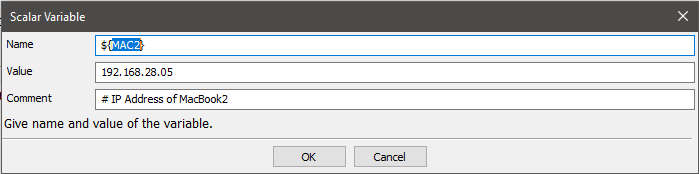
* + - 1. Here the user can enter the value for each variable. Do not change the variable name.



* + - 1. The user can give the value of the other variables repeating step 4 and 5.
      2. The user can add new variables by clicking on the **Add** **Scalar** button on the right side of the window.



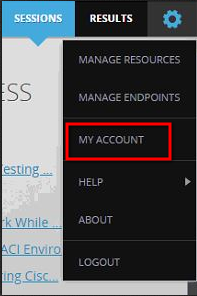
* + - 1. The user can enter name of the variable, its corresponding value and a comment about the variable name.



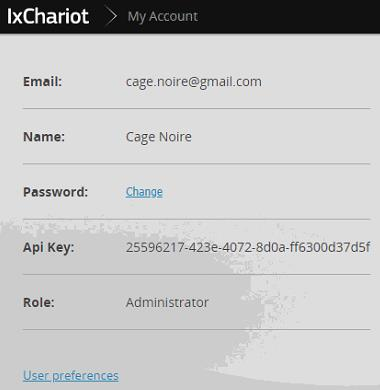
* + - 1. The user can create new variables by repeating the steps 7 & 8.
      2. The user can find the values of username, password and API Key in the settings of IxChariot WebAPI.
      3. To find the above values, follow the steps below.
      4. After logging into the user account, on the top right side, the user will find the **settings** button.



* + - 1. On clicking of that, a drop down will come. Choose **My Account** from the dropdown.

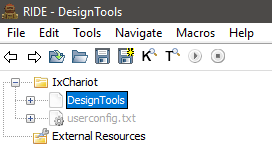


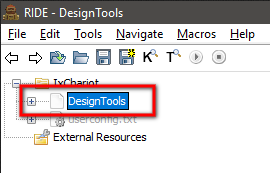
* + - 1. From the My Account page, the user can find the values for the username, password, and API key (Click on the Show button to see).



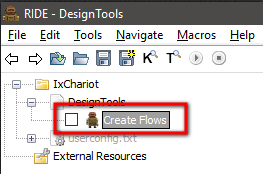
## **Configuring Test Parameters**

1. Now on the left panel, click on the plus sign next to **DesignTools** to expand.

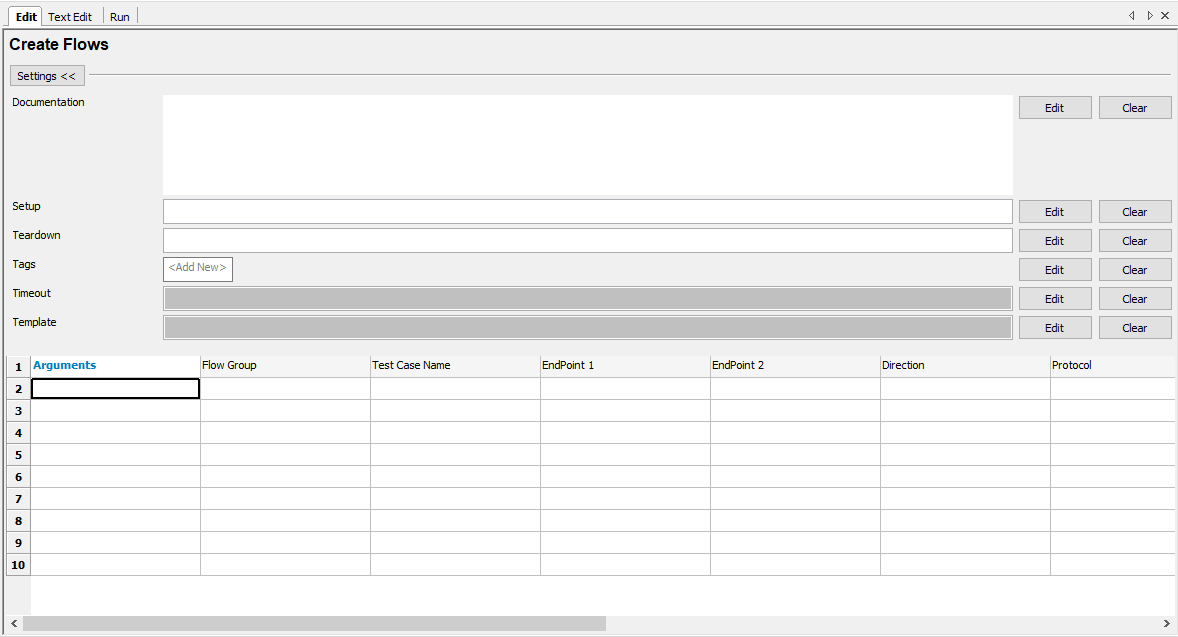




1. Under the DesignTools, the user will find **Create** **Flows**.
2. Click on the **Create** **Flows**.



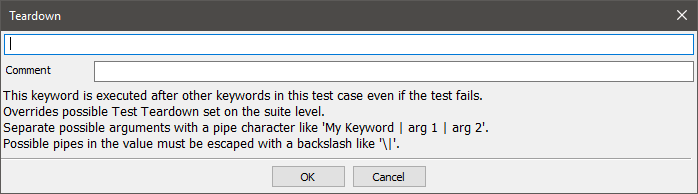
1. It will open the edit tab.



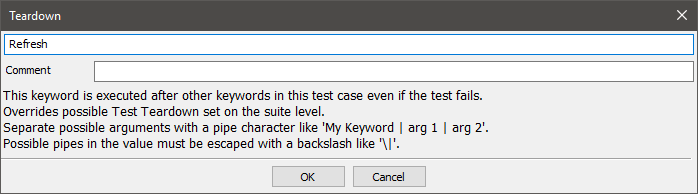
1. Click on the **Edit** button next to the **Teardown** text box.



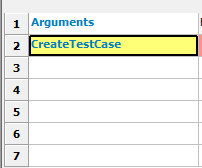
1. A pop up will come up.



1. From the popup, enter **Refresh** in the first textbox and click OK button.



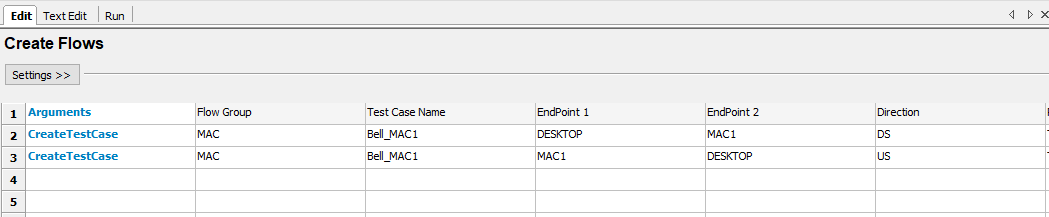
1. Now the user has to configure the parameters. In the first cell of the row, the user has to enter the command name **CreateTestCase**.

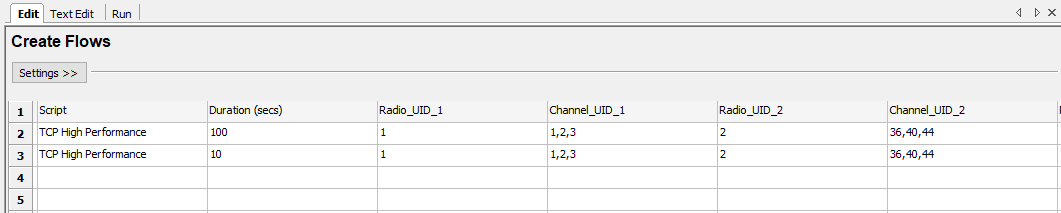


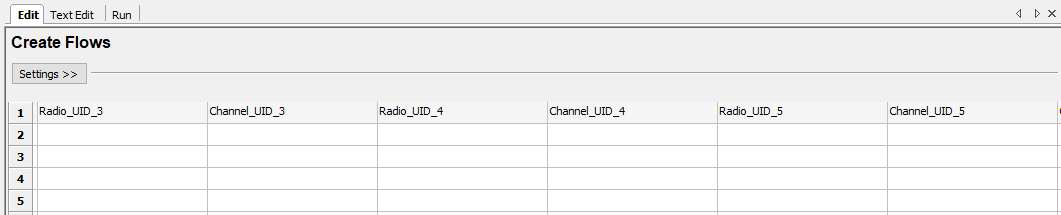
1. The parameters that the user has to configure for creating the test case files are mentioned below.

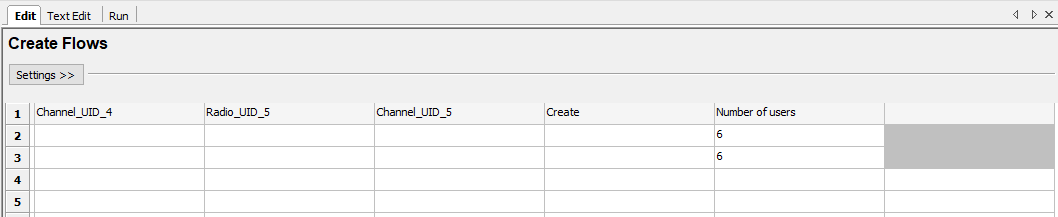
|  |  |
| --- | --- |
| **Parameters** | **Comments** |
| Flow Group | User can enter the value for group name. Example MAC. |
| Test Case Name | It can be given as the user wants to name the test case.  Example: Bell\_MAC1 |
| End Point 1 | This will be the name of the variable name mentioned in userconfig.txt file for the endpoint IP. T  Example: If user has used MAC1 for 192.168.2.100 in userconfig.txt file, then enter MAC1 for EndPoint1. |
| End Point 2 | Similar to End Point 1, this value must match the value that is given in the userconfig.txt.  Note: It must not be the same as the value of the End Point 1. |
| Direction | Must be either DS / US. |
| Protocol | Must be either TCP / UDP. |
| Script | Throughput Tests   * TCP High Performance * TCP Low Performance * TCP Small Packets Performance * TCP Baseline Performance * TCP Small Packets Performance * UDP Low Performance * UDP Baseline Performance * UDP High Performance |
| Duration (Seconds) | The user can enter an integer value. |
| Create | Must be either Yes / No.  Default value is Yes if left blank. |
| Number of Users | The maximum number of user can be 10 as per the current license at Bell. |
| Radio1, Radio2, Radio3, Radio4, Radio5 | The user can give an integer value which will denote the radio of the HomeHub device. |
| Channel1, Channel2, Channel3, Channel4, Channel5 | This is set of commas separated integer values for the corresponding radio values. |

1. Here is a sample after the user enters the values for the parameters (given in the above table).







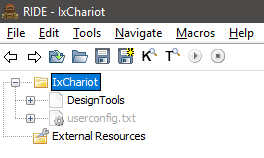


1. The user can repeat the steps 8 & 9 for creating multiple test cases.

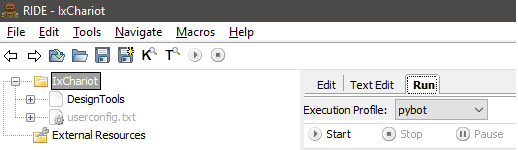
## Configuring Result Arguments

The section aims to customize the result files name, location and the background color. The above command needs to be inserted in the arguments section, following the steps:

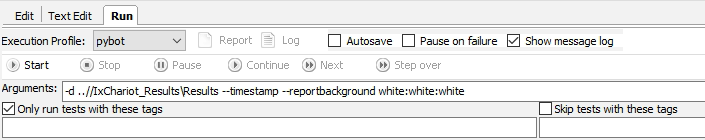
1. Click on project name.



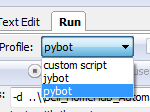
1. Click on **Run** tab.



1. Copy the command **“-d ..\\IxChariot\_Results\Results --timestamp --reportbackground white:white:white”** and paste it in arguments text area as shown.



1. Select Execution Profile as **pybot** (if not already selected).

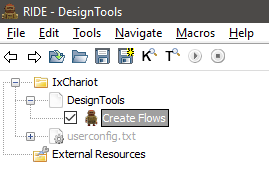


1. Click to checkbox to mark as selected for Show message log (if not already selected).

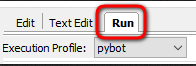


## Creating Test Case

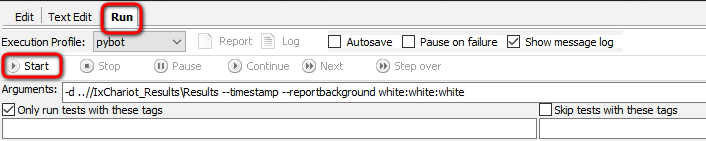
To start the execution, click on the checkbox to the left of “**Create Flows**”.



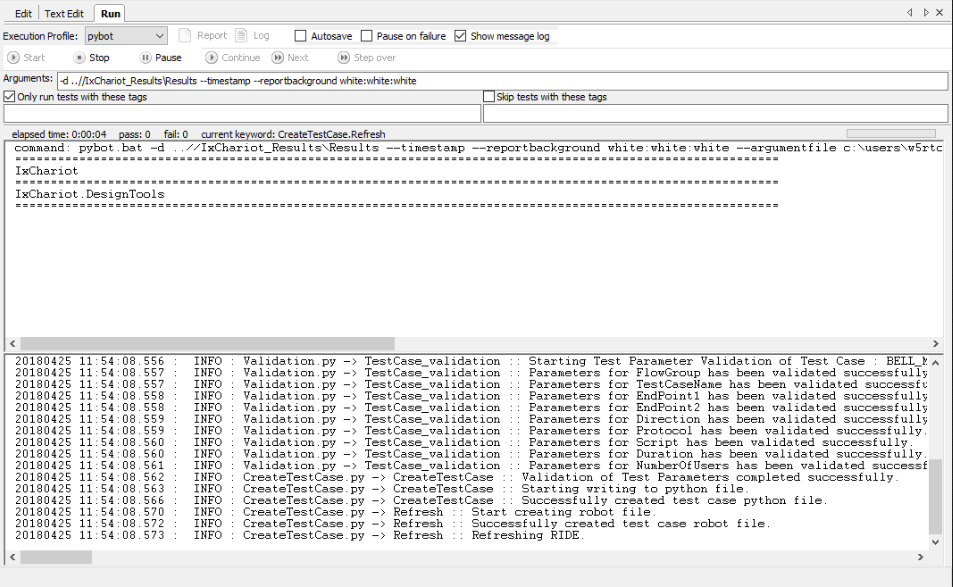
Click on the **Run** tab.



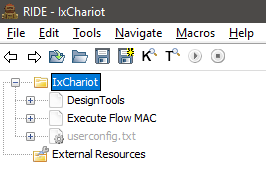
Click on the **Start** button to start the execution.



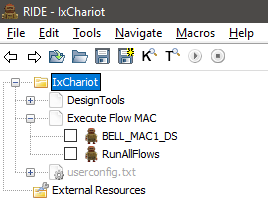
On clicking of the button, the execution will start.



On successful execution, RIDE will close and automatically reopen with the Flow group test suites appearing on the left under the Design Tools.



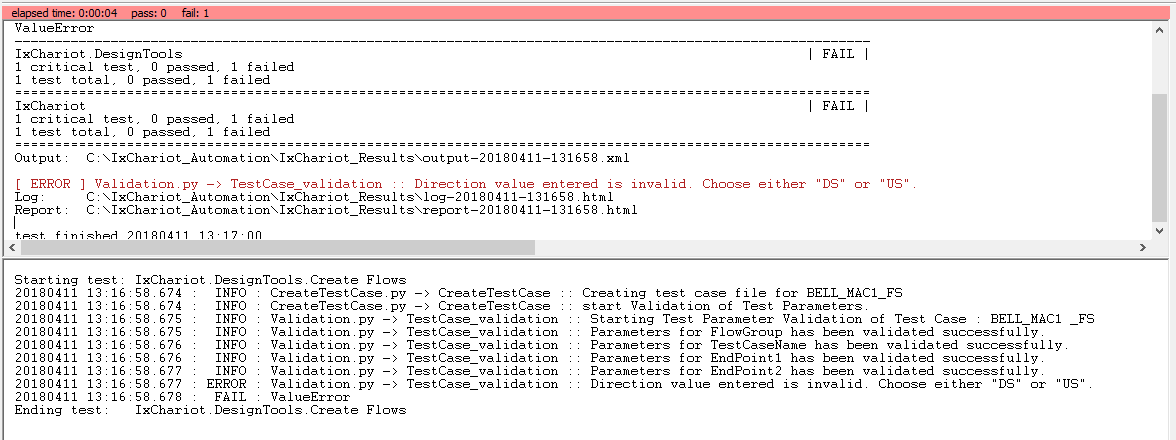
It will show all the test case listed under the Flow Group name during creation.



Once the test case is executed successfully, then click on the **Log** button to view the log of the executed test case and click on the **Report** button to view the report of the executed test case.

Screen Clipping

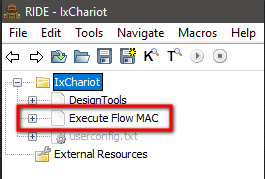
RIDE will not close if there is a validation error of the test input parameters and it will show the appropriate error message in the console.



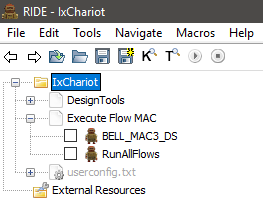
After checking and solving the cause of error from the log, the user can re-run the test case.

## Executing Test Case

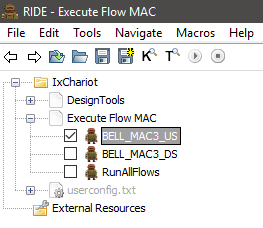
1. After the RIDE gets refreshed, the user can see the Flow group test suites appearing on the left under the Design Tools.



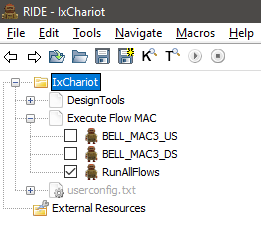
1. It will show all the test case listed under the Flow Group name during creation.



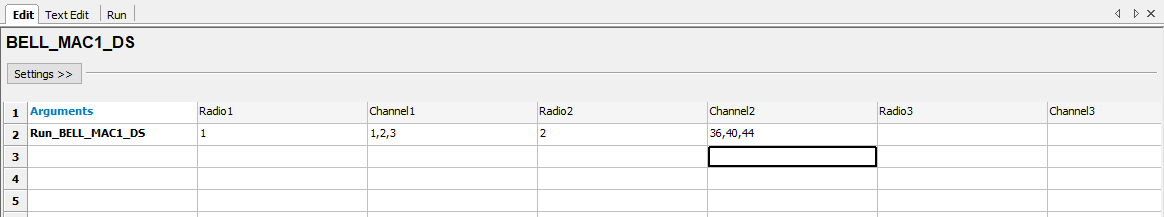
1. Select one or more test cases by checking the check box on the left of test case name.

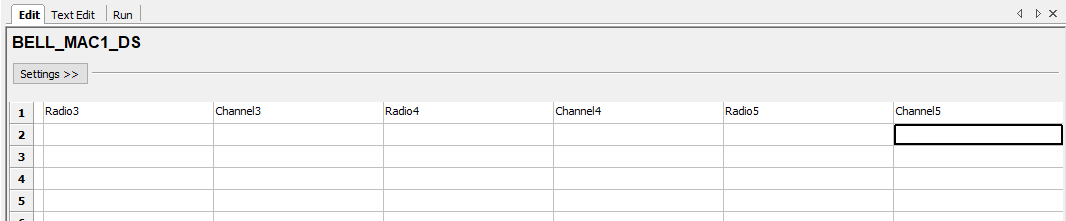


1. If the user wants to run all the test cases, then the user must ONLY check the check box next to the RunAllFlows.

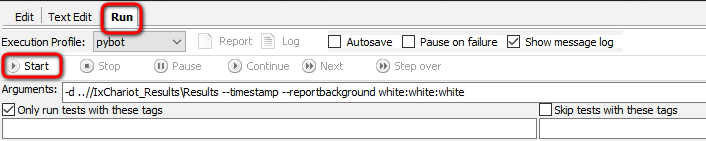


1. The user can see the radio and channel values in test case parameters which were entered in the Design Tools parameters.

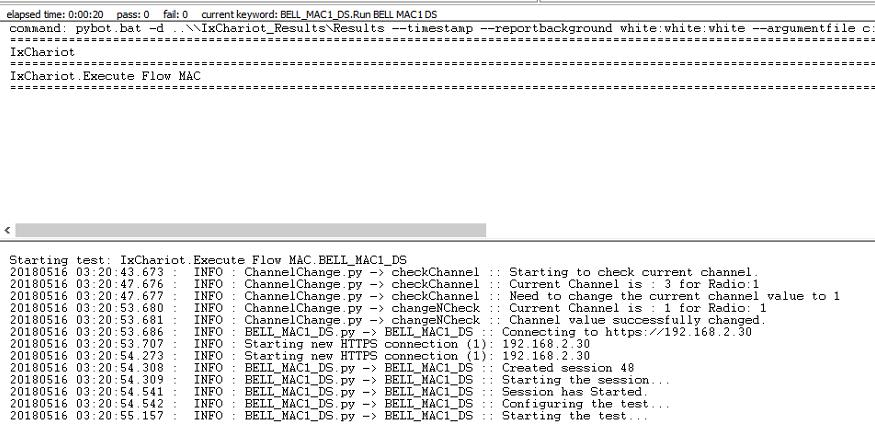




1. After selecting the test cases which has to be executed, go to the Run and click on the Start button.



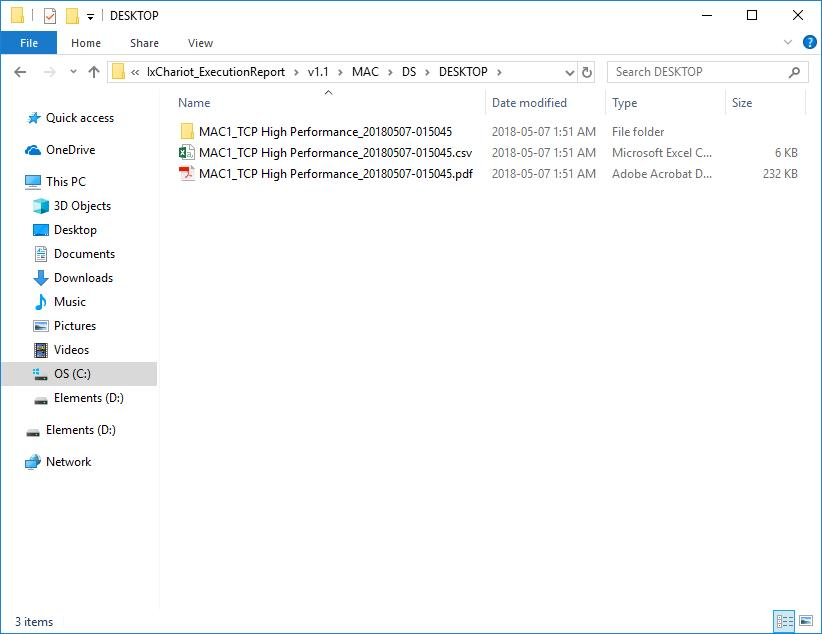
1. It will take traverse the list of entered values for channel and extract each value and check against the current channel. If both are same then it will start the execution. If the current channel and mentioned channel does not match then it changes the current channel to the mentioned channel, verifies it and starts the execution.  
   Automation solution will try three times to change channel value if unsuccessful before raising error message.
2. This will happen for all the channel values of each radio value.
3. It will start the execution. Wait till it is complete.



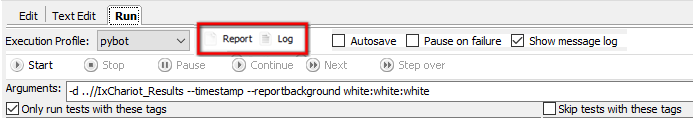
## Execution Reports

1. The user will be able to view the results of the executions in a specific folder as shown below. The result file will have a timestamp and will be named as

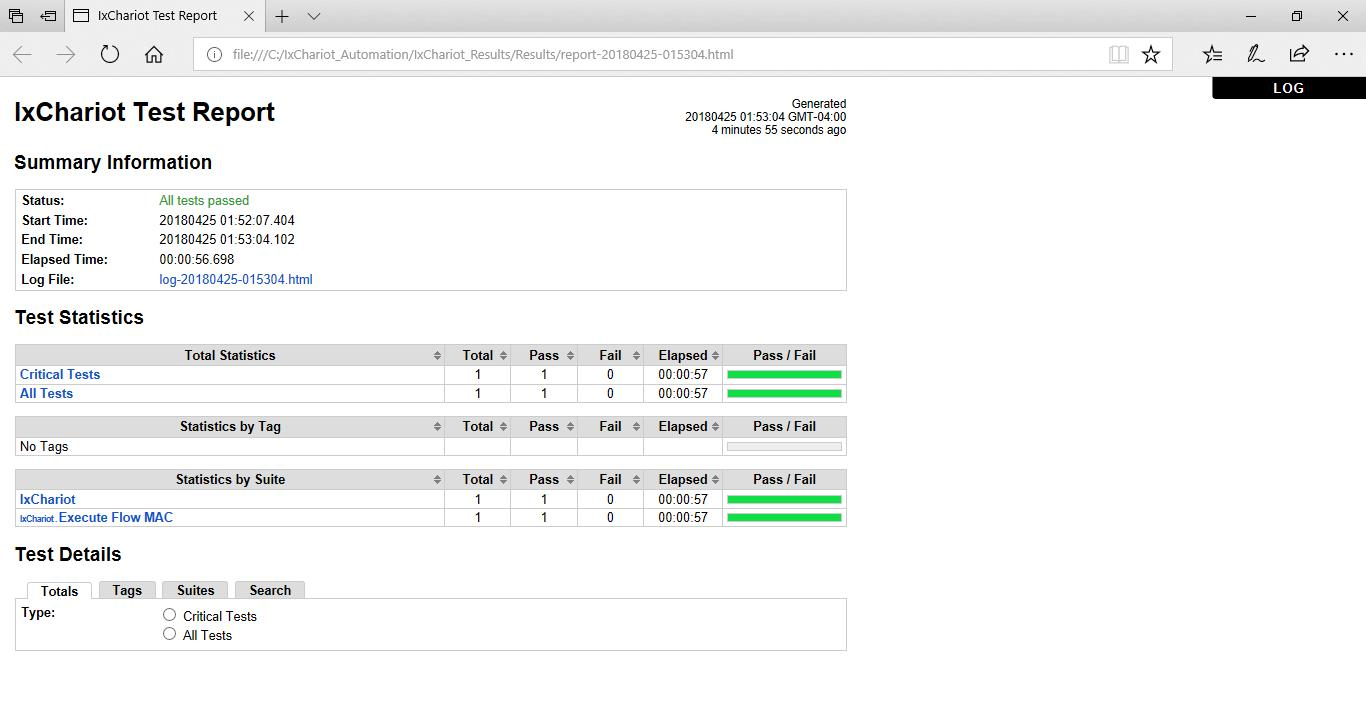
* **“C:/ IxChariot\_Automation/ IxChariot\_ExecutionResults/<HomeHub Version>/ <FlowGroup>/<Direction>/<EndPoint1>/<EndPoint2>\_<Script>\_<Timestamp>.pdf**”.
* **“C:/ IxChariot\_Automation/ IxChariot\_ExecutionResults/<HomeHub Version>/ <FlowGroup>/<Direction>/<EndPoint1>/<EndPoint2>\_<Script>\_<Timestamp>.csv**”.
* **“C:/ IxChariot\_Automation/ IxChariot\_ExecutionResults/<HomeHub Version>/ <FlowGroup>/<Direction>/<EndPoint1>/<EndPoint2>\_<Script>\_<Timestamp>**”.



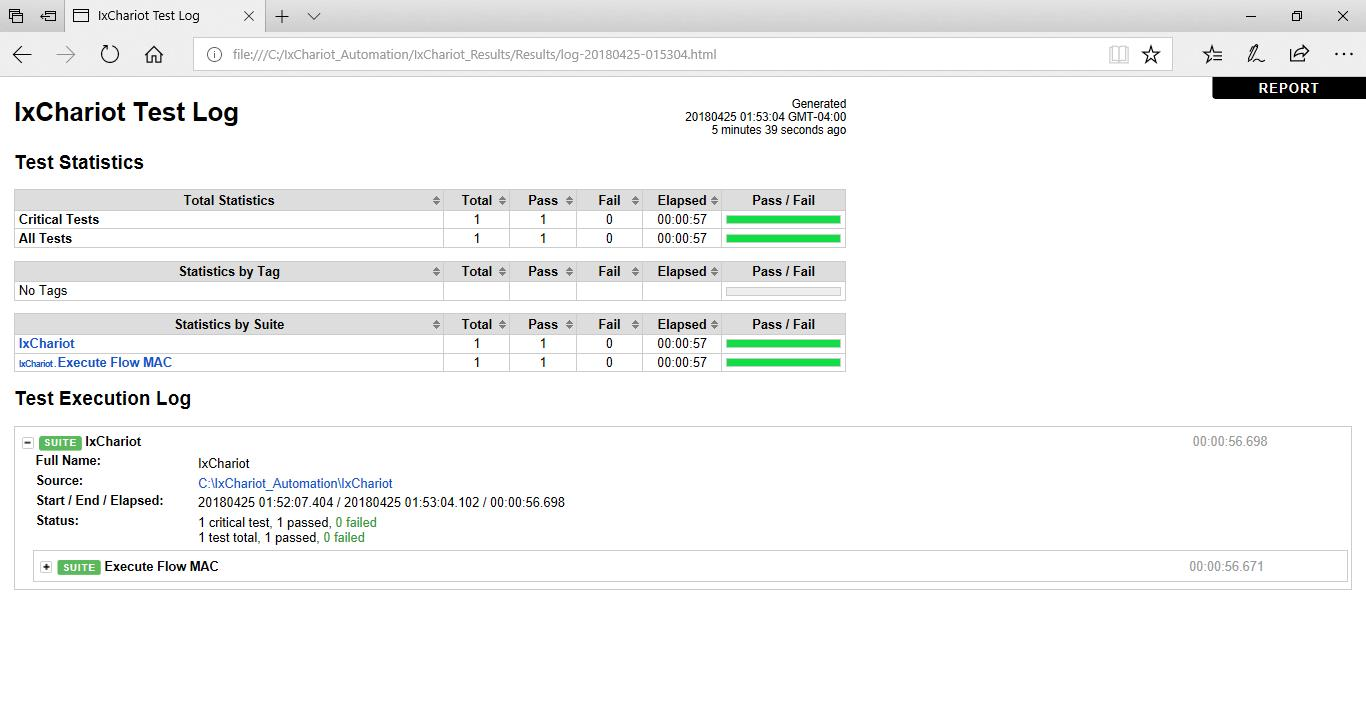
1. Click on the **Log / Report** button to view the result in the RIDE. The button becomes active on executing the test case.



1. On click of the Report button, in the browser, the report appears.



1. In the browser on the top right corner, the log button is there. Clicking on it, will show the log report and vice versa.



1. The user can find the Log files in the file location:

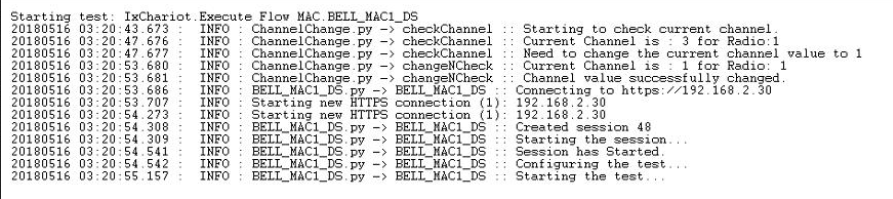
**“C:/ IxChariot\_Automation/ IxChariot\_Results/ Results/log - <Timestamp>.html”.**

1. The user can find the report files in the file location:

**“C:/ IxChariot\_Automation/ IxChariot\_Results/ Results/report - <Timestamp>.html”.**

## 7. Execution Logs

1. The user can find the log of the executed flow group test case in 2 places – RIDE and Detailed Log file
2. The user can see the log in the RIDE after execution.



1. The user can find the Detailed Log Report in the folder:

**“C:/ IxChariot\_Automation/ IxChariot\_Results/DetailedLog<Timestamp>”.**

This file will be created every day and is stored in the above location.

