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1. KATANA: AN INTRODUCTION

Katana is Warrior Framework's web based case creation and execution tool. From Katana, users can create cases, suites, projects, input data files and testdata files. Cases, suites, projects, input data files and testdata files in Katana are web based forms that once saved, create the appropriate xml files. Each field in the form has a tooltip explaining its functionality. Katana also allows you to execute cases, suites, and projects from the execution app.

1.0 WHERE IS KATANA LOCATED?

Katana is available as pip installable module at pypi server.

<https://pypi.org/project/katanaframework/>

1.1 THE PREREQUISITES

The katanaframework pip module requires python 3.6 and above.

1.2 HOW TO INSTALL KATANA?

1.2.1 PIP INSTALLABLE

Katana can install through PIP installable by using below command.

pip install katanaframework

It will install all packages which are required to bring up the katana. Use the below command to bring up the katana through user interface.

Manage.py runserver

This starts up Katana on the localhost at the port 8000. You can access Katana by opening any browser and typing in:

localhost:8000

If you wish to start up Katana on a different port, you can use the following command:

manage.py runserver portnumber

This starts up Katana on the localhost at the different port. Now, you can access Katana by opening any browser and typing in:

localhost:portnumber

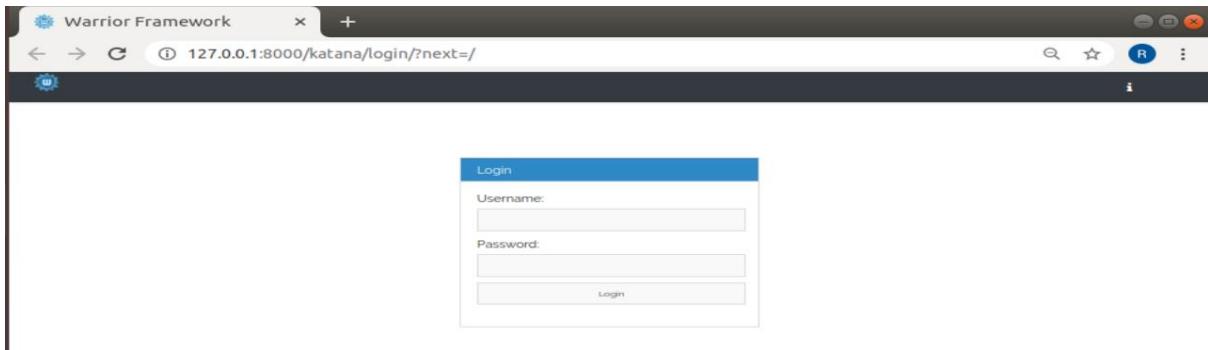
1.2.2 UNINSTALL KATANAFRAMEWORK

Katana can uninstall by using below command.

pip uninstall katanaframework

2. GETTING STARTED WITH KATANA

Katana starts up on the localhost and this page shows up

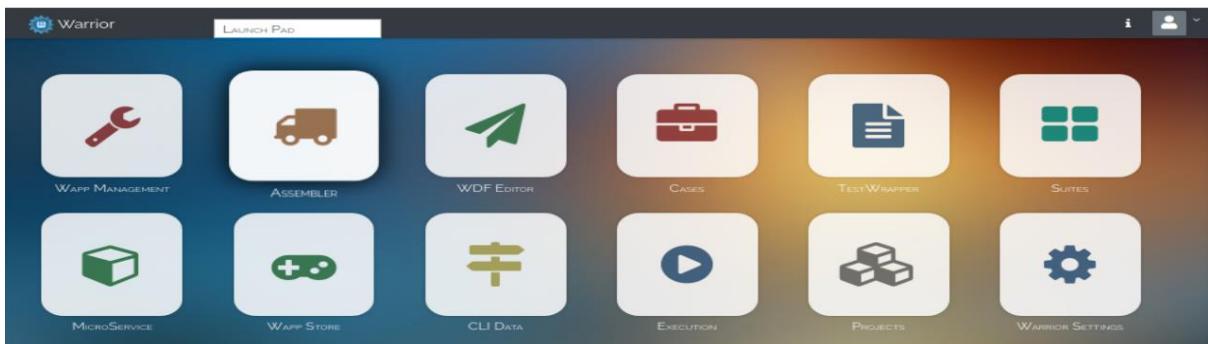


Need to enter Username and password.

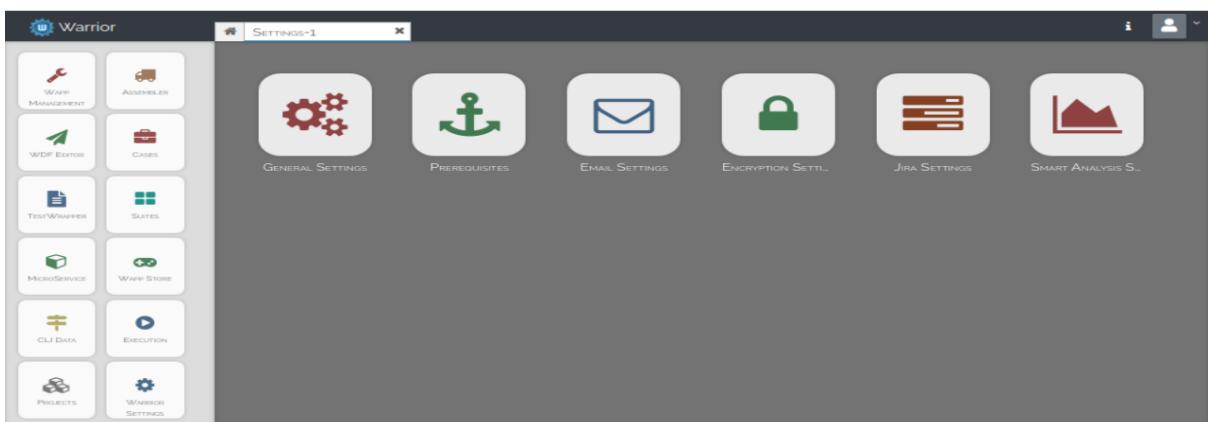
Username: Admin

Password: warriorframework

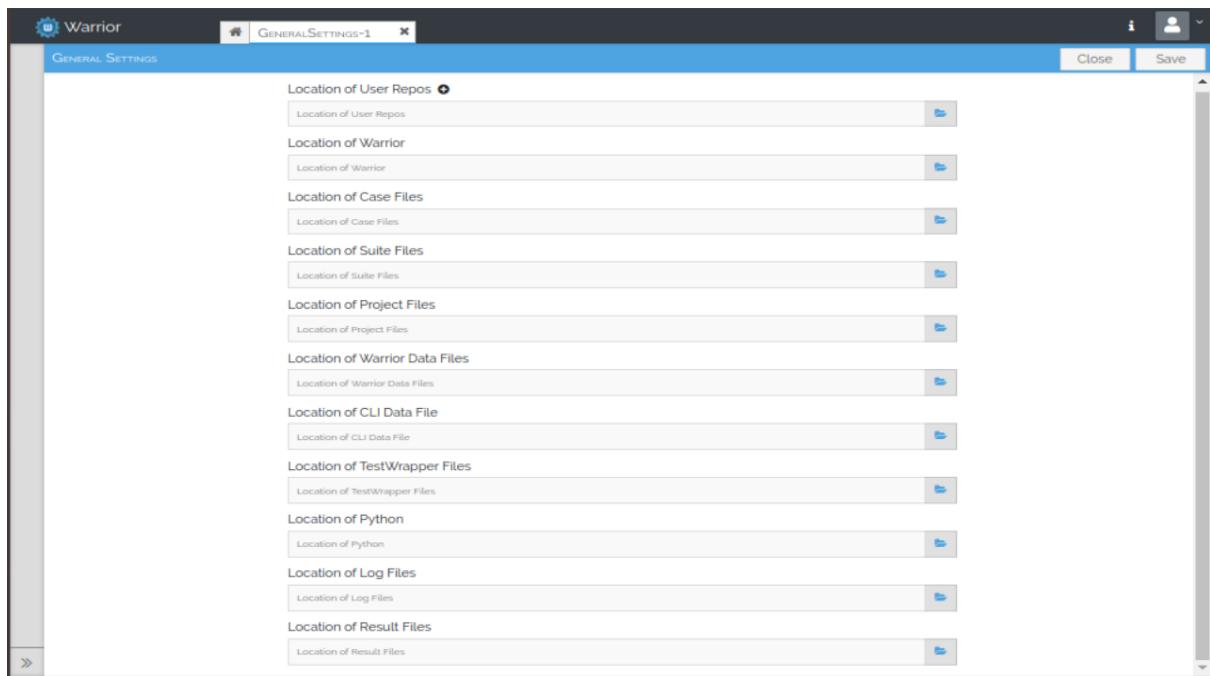
This starts up the Katana UI page and will display all apps.



To configure Katana to your system, you will need to click on the Warrior Settings app – and this page would show up.



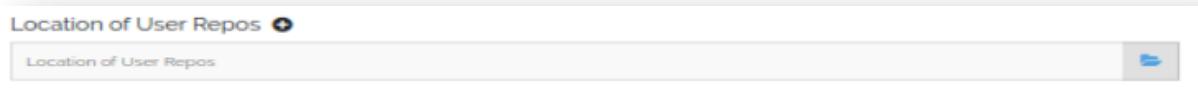
You will need to click on the **General settings** to configure the settings.



Now, the information on this page is supposed to be filled in once by the User when Katana is fired up for the first time. Each field is explained below:

Location of User Repos:

This field should contain the keywords repository directory and provided an option to select the path by clicking on folder icon.



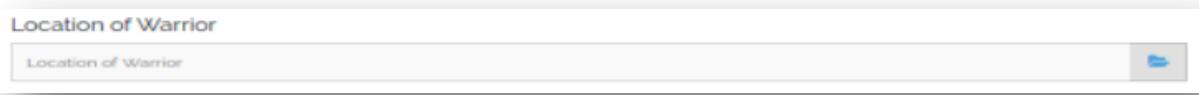
After providing the path, click on **save** button. It will pop up a message box as below to select the same path for Cases, Suites, Projects, Input Data Files and Test Data files.

Click on **Yes** to populate same path for others, if not Click on **No**.



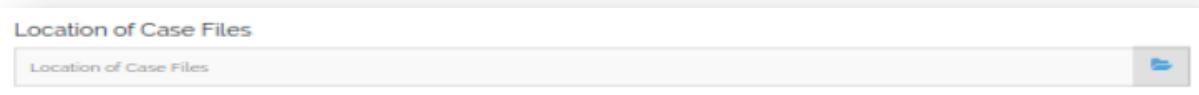
Location of Warrior:

This field should contain the path to the Warrior Framework directory in your machine.



Location of Case Files:

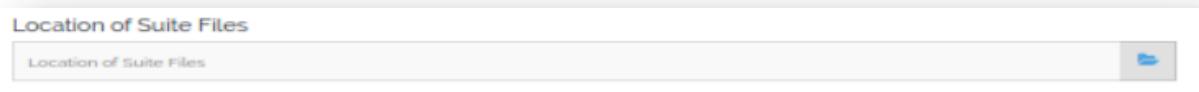
This field should contain the path to the Case directory in your machine. This directory may or may not be inside your Warrior Framework directory.



To understand what Warrior Cases are, refer to Warrior Framework User Guide: Cases. To create cases in Katana, refer to Katana User Guide: Section 3.

Location of Suite Files:

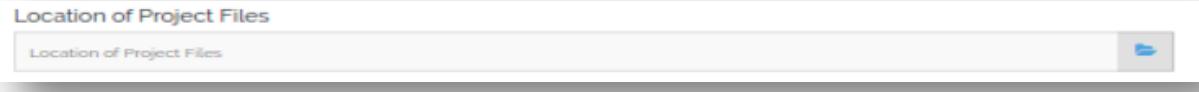
This field should contain the path to the Suite directory in your machine. This directory may or may not be inside your Warrior Framework directory.



To understand what Warrior Framework Suites are, refer to Warrior Framework User Guide: Suites. To create suites in Katana, refer to Katana User Guide: Section 4.

Location of Project Files:

This field should contain the path to the Project directory in your machine. This directory may or may not be inside your Warrior Framework directory.



Location of Warrior Data Files:

This field should contain the path to the warrior data files directory in your machine. This directory may or may not be inside your Warrior Framework directory

Location of Warrior Data Files

Location of Warrior Data Files



Location of CLI Data File:

This field should contain the path to the CLI data file directory in your machine. This directory may or may not be inside your Warrior Framework directory

Location of CLI Data File

Location of CLI Data File



Location of Testwrapper Files:

This field should contain the path to the Testwrapper files directory in your machine. This directory may or may not be inside your Warrior Framework directory.

Location of TestWrapper Files

Location of TestWrapper Files



Location of Python:

Here, a path to an alternate Python that you may want to use for executing Warrior Framework can be added here. If this field is left empty, then the default Python on your system would be used.

Location of Python

Location of Python



Location of Log Files:

This field should contain the path to the Log files directory in your machine.

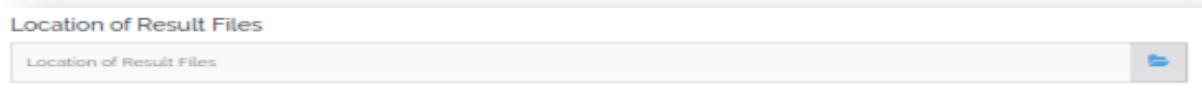
Location of Log Files

Location of Log Files



Location of Result Files:

This field should contain the path to the resulted files directory in your machine.



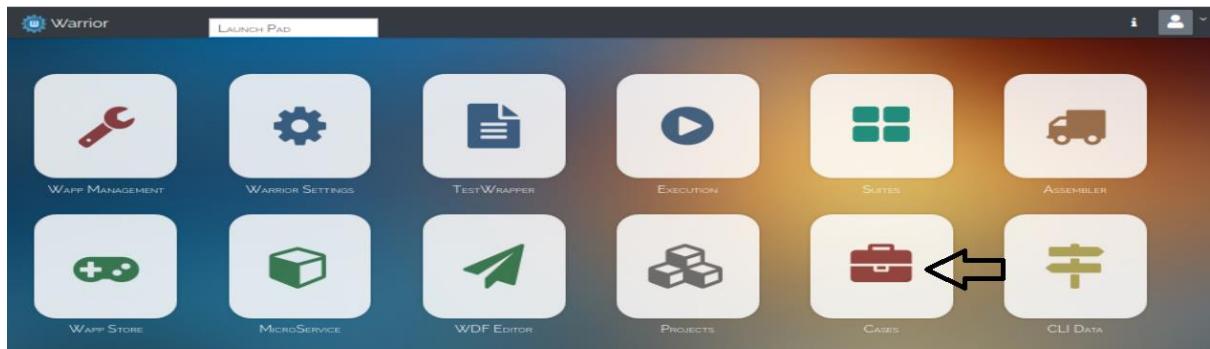
Finally, hit save to save the configuration.



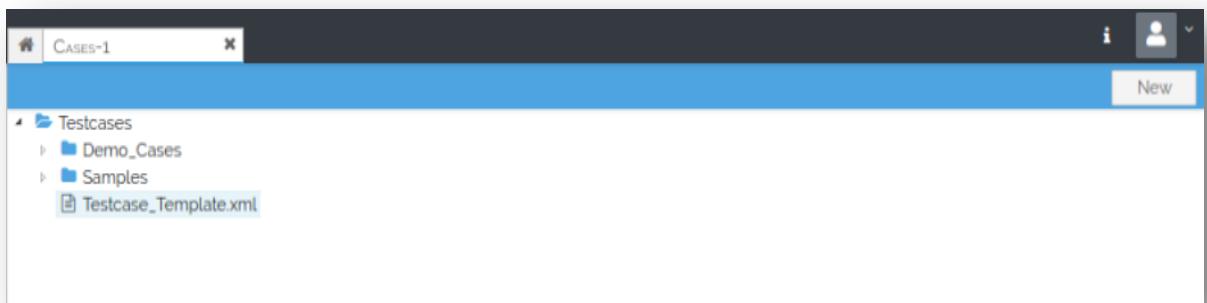
Katana is now ready to be used.

3. CREATING CASES WITH KATANA

Katana allows you to create Cases through its user interface. You have to start up Katana and go to its Cases app.

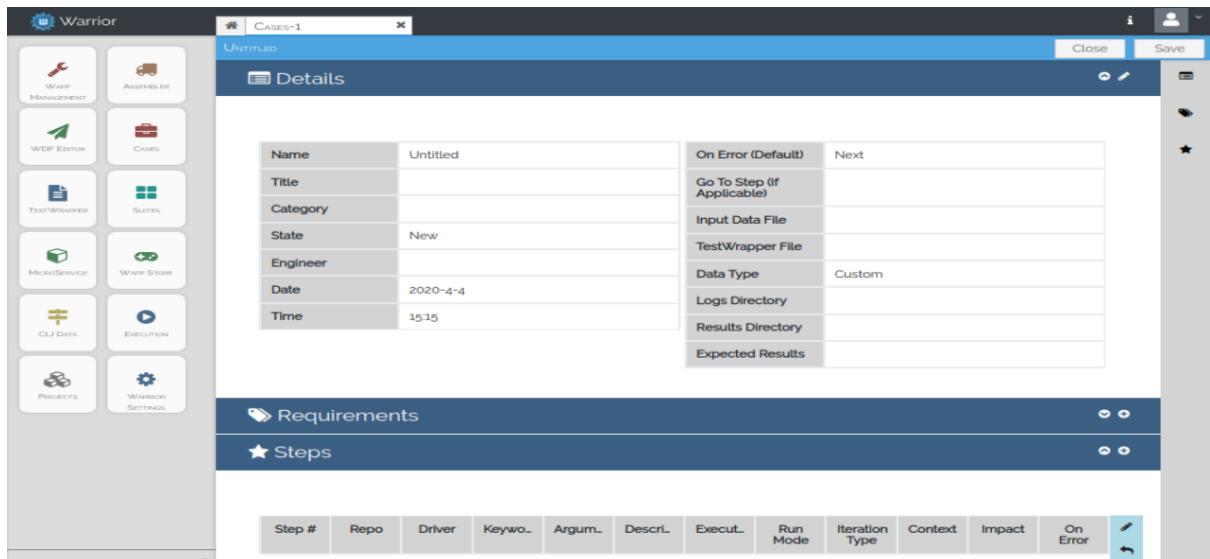


There, you will see a “New” button:



Note: The list of cases below the “New” button may differ as Katana would show the Cases saved in your case directory.

On clicking that button, you will be directed to a new page:



On Clicking on Edit Details button, you will be redirected to edit or add the details section data.



A step by step guide to create a case in Katana is given below.

3.1. NAME

Name*	Untitled
-------	----------

Here enter the name of the case. A name can be anything that you recognize. This is a **mandatory** field.

Name*	Testcase_01
-------	-------------

3.2. TITLE

Title*	
--------	--

A Title (or description) is a field where you can add a descriptive title to identify what this case does. This is a **mandatory** field.

Title*	Testcase_01_Title
--------	-------------------

3.3. CATEGORY

Category	
----------	--

In this field, you can classify this case into a particular “category”. Categorization of cases is important when you have to run all the cases in the same category together. Please refer [Warrior Framework User Guide: Section 17.1.13](#) to better understand how a category works. This is an optional field, although, it is recommended that you categorize your cases.

Category	Sanity
----------	--------

3.4 STATE:

State	
-------	--

A case state is informative when you have to keep track of which cases are new, released, or in review. These are the in-build categories that are available to you. This is an optional field, but it is recommended that you fill out this field so as to keep track of which case is in which state of development.

State	<div style="border: 1px solid black; padding: 5px; width: 150px;"><ul style="list-style-type: none">NewTest-AssignedReleased</div>
-------	---

You can select any state of your choice, like “New”. This would mark your case as “**New**” meaning that this is a newly created case.

State	New
-------	-----

Furthermore, if the available categories do not really fit your case state, you can go ahead and type the required information.

3.5. ENGINEER

This field indicates the name of the Engineer who created this Case. You can add the name of the engineer. This is a mandatory field.

A screenshot of a software interface showing a text input field. The field is labeled "Engineer*" and contains a placeholder character "I".

3.6. Date

This field indicates the Date on which this Case was last updated. This is a prefilled field, but the contents cannot be changed.

A screenshot of a software interface showing a date input field. The field is labeled "Date" and contains the value "2020-4-4".

3.6. TIME

This field indicates the time on which this Case was last updated. This is a prefilled field, but the contents cannot be changed.

A screenshot of a software interface showing a time input field. The field is labeled "Time" and contains the value "16:5".

3.7. ON ERROR (DEFAULT)

This is field where you can specify what the Case should do it case it errors out. By default, it is “next”, that is, if you don’t make a change, the Case will proceed to the next Case available for execution if the current case throws an error.

A screenshot of a software interface showing a dropdown menu for "On Error (Default)". The menu is currently set to "Next".

Clicking on the dropdown shows all the options that are available to you to tell Warrior Framework what to do in the case where the current Case errors out. You have the ability to choose any one of them.

A screenshot of a software interface showing a dropdown menu for "On Error (Default)". The menu is expanded, showing several options: "Next", "Abort", "Abort As Error", and "Go To". The option "Next" is highlighted with a red background.

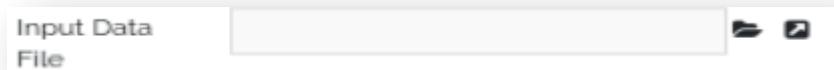
On selecting “Go To”, another pops up and lets you add the Case number that Warrior should go to in case of an error.



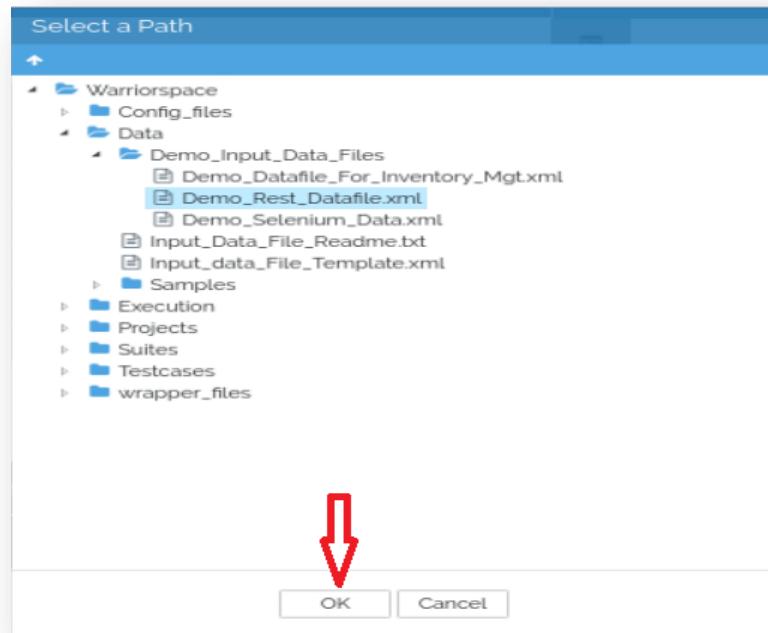
For further information about what Default on Error does, please go through [**Warrior Framework User Guide: Section 6**](#)

3.8. INPUT DATA FILE

This is field wherein you can add the path to a datafile (Warrior Framework User Guide: Section 9) that you want this case to use. This field is not mandatory.



You can click on “Folder” icon, which would open up a file explorer which would let you select a file.

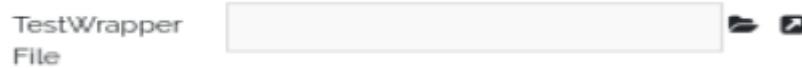


You can also directly enter the path into the field.

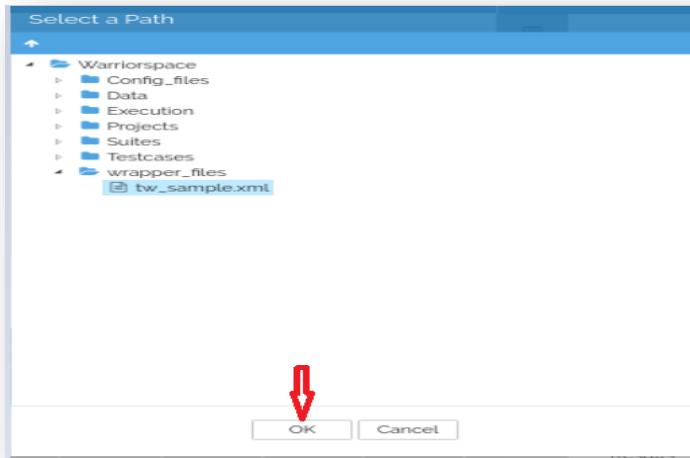


3.8. TEST WRAPPER FILE

This is field wherein you can add the path to a test wrapper file that you want this case to use. This field is not mandatory.



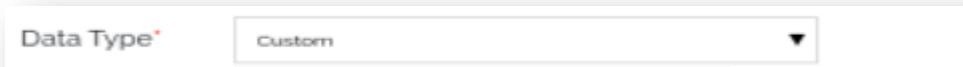
You can click on the “Folder” icon, which would open up a file explorer which would let you select a file.



You can also directly enter the path into the field.

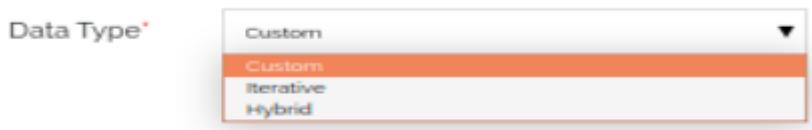


3.8. DATATYPE

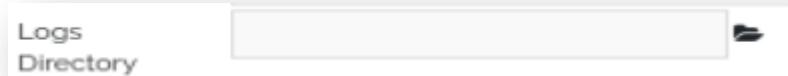


This dropdown field lets you indicate what kind how a case should interact with the datafile (Warrior

Framework User Guide: Section 9.0). This is a mandatory field.



3.10. LOGS DIRECTORY

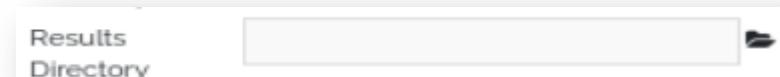


This field lets you specify the path to the Logs directory – this directory is where all the logs returned by Warrior would be stored. This is an optional field.



If left empty, the logs would be directed and stored in the default location.

3.11. RESULTS DIRECTORY



This field lets you specify the path to the Results directory – this directory is where all the results returned by Warrior would be stored. This is an optional field.



If left empty, the results would be directed and stored in the default location.

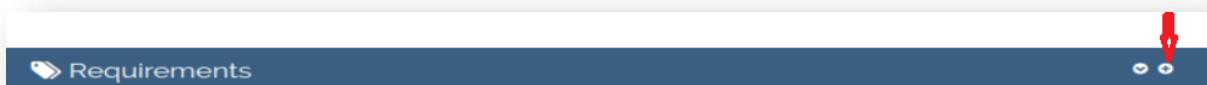
3.11. EXPECTED RESULTS

This field is where you can specify what kind of a result is expected from the case. This is an optional field as it is an informative field for you.

Expected Results	
------------------	--

3.12. REQUIREMENTS

This field is for you add any requirements that this case may have. This is an optional field. You can add a new requirement by clicking on the “Add New Requirement” button



This opens up a new field in which you can specify the requirement.

New Requirement

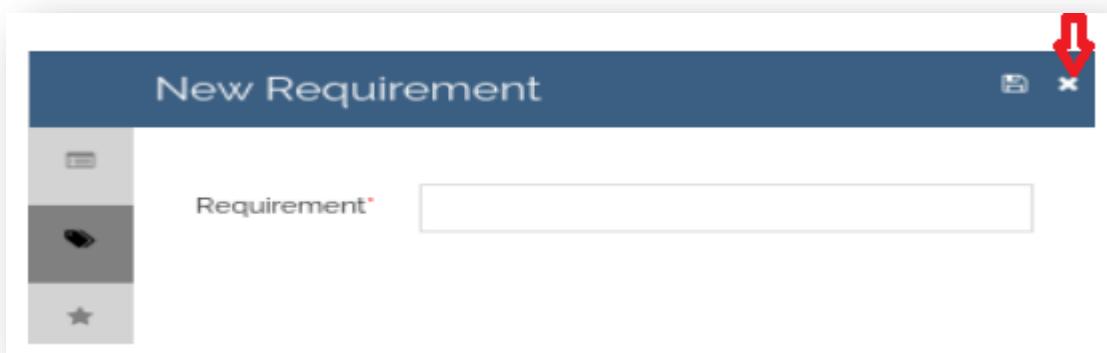
Requirement*

Once typed in, you can click on save button to save it or “X” to discard all changes.

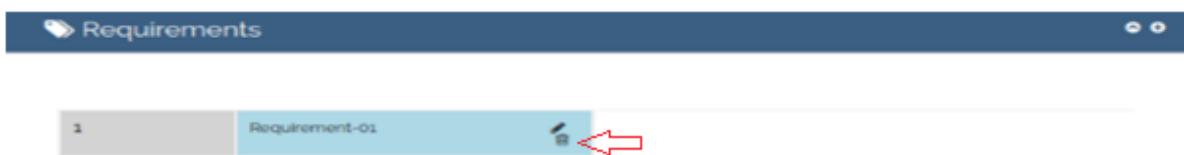
New Requirement

Requirement*

Save X

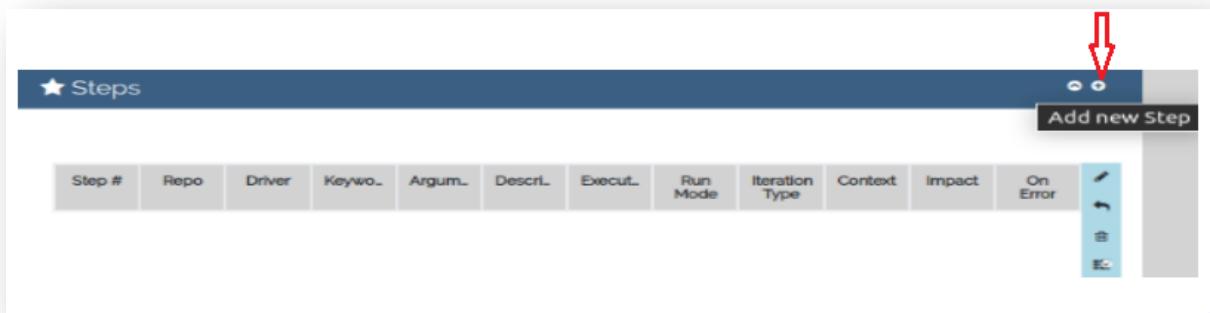


You can also delete an added requirement by clicking the delete icon against the Requirement that you want to delete.



3.13. STEPS

Every Case requires at least one step. A new step can be added to the Case by clicking the “Add new Step” button. The first entire step is mandatory. Every step after that is optional.



On clicking the “Add new Step” button, a new set of fields drop down for you to be filled. All the newly appeared fields are a part of this new “step”.

New Step

Step Number*	1
Repo*	
Driver*	
Keyword*	
Description	
Execute	Yes
Run Mode	Standard
Iteration Type	Standard
Context	Positive
Impact	Impact
On Error	Next

3.13. STEP NUMBER

This field indicates the step number. This is a prefilled field, but the contents cannot be changed.

Step Number	1
-------------	---

3.13. REPO

This field indicates the repo structure, by default, will display as blank and can choose by using the dropdown. This is a **mandatory** field.

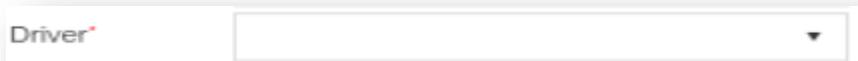
Repo*	
-------	--

Repo*	
-------	--

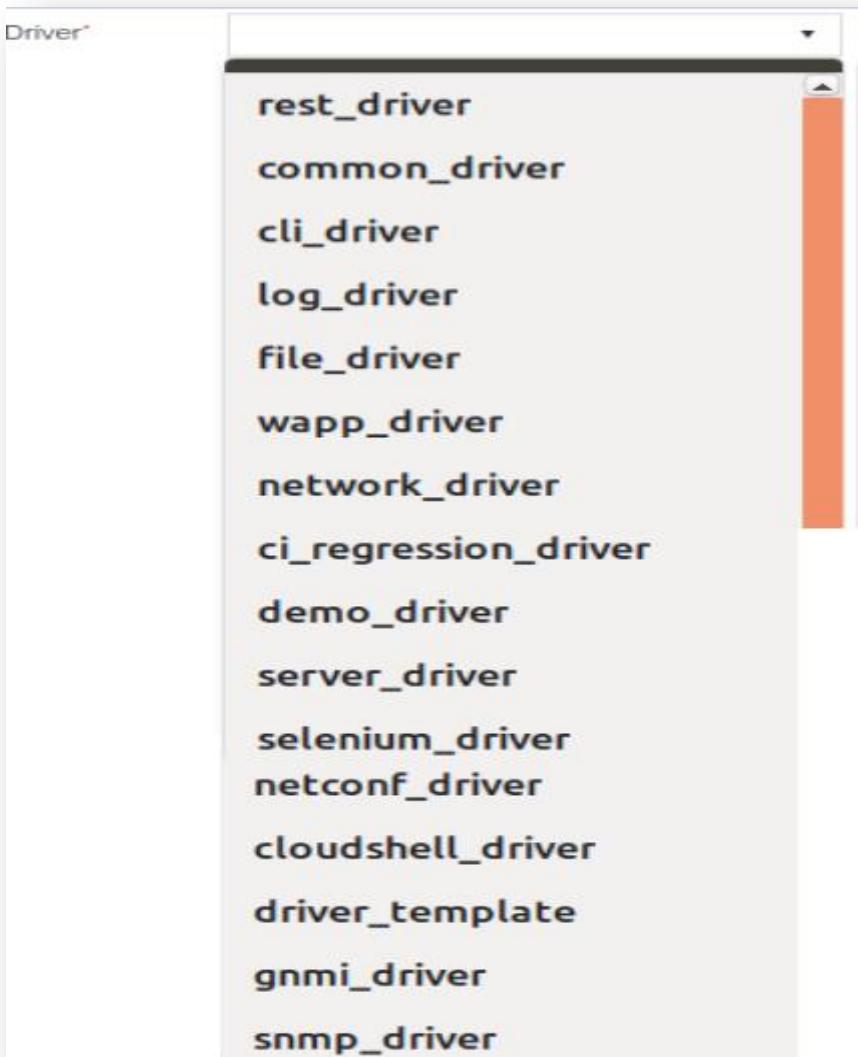
warrior

3.14. DRIVER

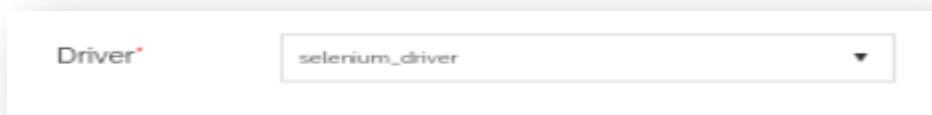
Every step must have an associated driver to it. This is a mandatory field.



Katana lets you select a driver by showing all the drivers that you have in your Warrior Framework directory in the dropdown. You can select any driver out of those. You would not be able to select any driver which lies outside of the Product Drivers directory. This is because Warrior enforces a strict directory structure for the Actions and Product Drivers.



You can then select any driver from that list:



3.15. KEYWORDS

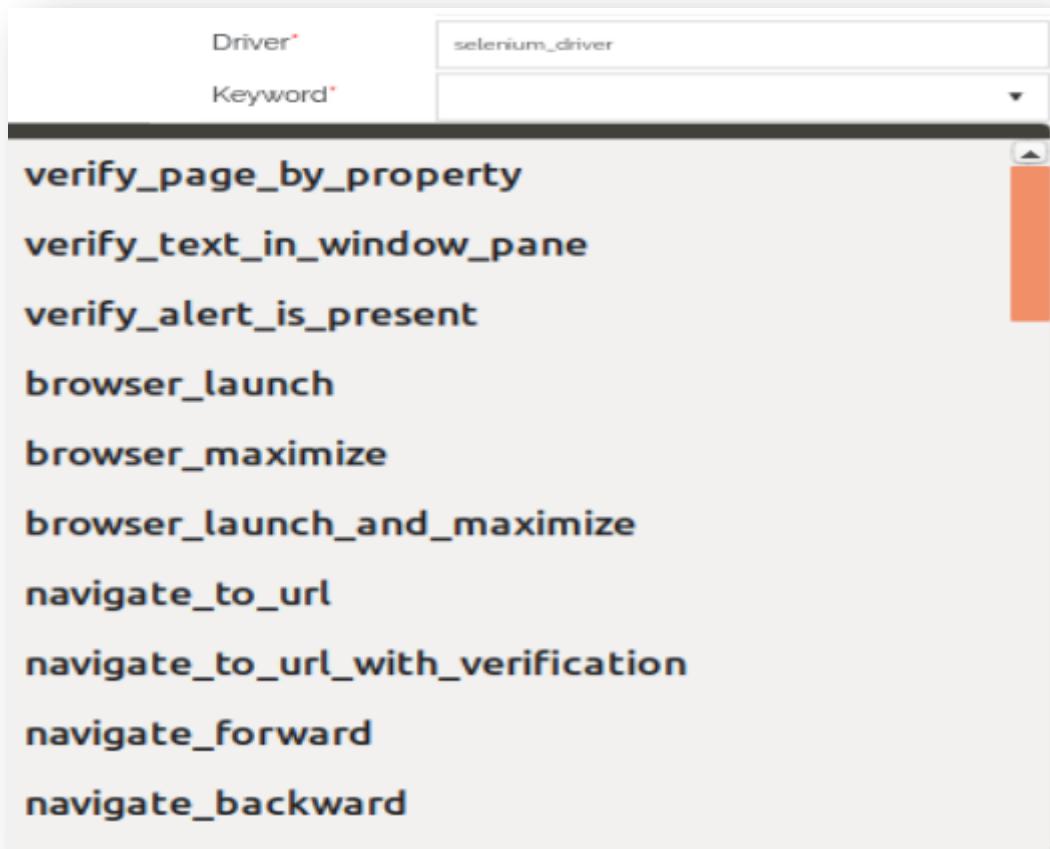
Every step must have an associated keyword to it. This is a mandatory field.



If no driver is selected, no keywords will show up in the dropdown. You have to choose the driver before you can choose the Keyword.

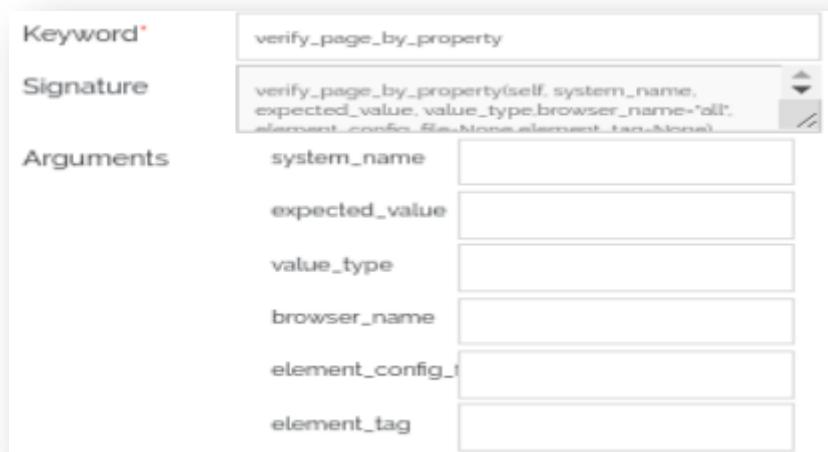


If the driver is chosen, a list of Keywords would show up. You can select any Keyword out of those.



You can then select any keyword that you need.

This space gets populated when a developed keyword is selected. All the arguments accepted by the Keyword show up here. You can type in the values associated with each value against that argument name.



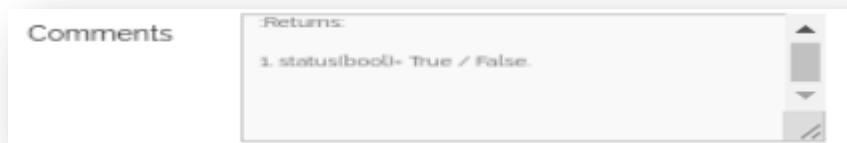
3.16. WDESCRIPTION

This field is populated when the Keyword is chosen. The description is for your reference, so that, you know exactly what this keyword does. This field is a non-editable field.



3.17. COMMENTS

This field also appears prepopulated when a developed Keyword is selected. This is for your benefit, so that you understand what the keyword does when it runs, what kind of arguments it accepts, and what kind of values it returns.



3.18. DESCRIPTION

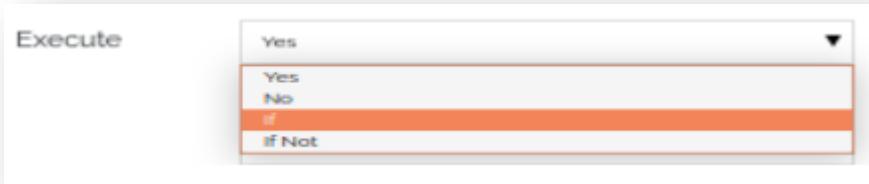
This field is provided to you so that you can add a description of your own for the chosen Keyword. This description would be displayed when this step is run. This is an optional field.

Description	<input type="text"/>
Description	<input type="text" value="Open Chrome Browser"/>

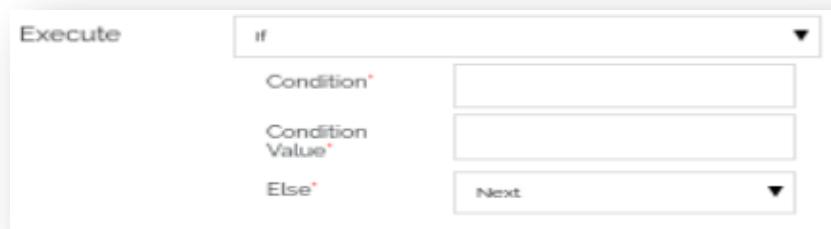
3.18. EXECUTE

Execute	<input type="button" value="Yes"/>
---------	------------------------------------

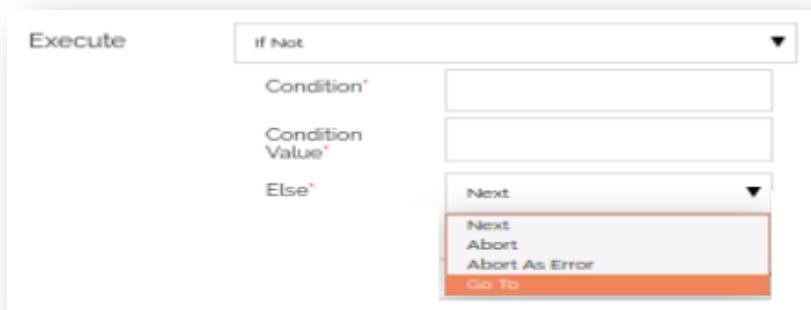
The Execute Type is by default set to 'Yes'. You can change it by clicking on the dropdown. This reveals all the options you have available to you.



On clicking on 'If' and 'If Not', two other input boxes show up that let you add your conditions.



The third input box is a dropdown consisting of the condition that handles the scenario where the condition in 'If'/'If Not' is not met and hence Warrior would need to know what to do in such a case.



The screenshot shows the 'Execute' configuration dialog box. It includes fields for 'If Not' (a dropdown menu), 'Condition*' (text input), 'Condition Value*' (text input), 'Else*' (a dropdown menu), and 'Else Value*' (text input).

3.19. RUN MODE

This field lets you select if you want this keyword to run until pass (RUP), run until failure (RUF), or run multiple times (RMT). This is an optional field.

The screenshot shows the 'Run Mode' dropdown menu with 'Standard' selected.

The Run Mode field is dropdown consisting of values “Run Multiple Times”, “Run Until Pass”, and “Run Until Failure”.

The screenshot shows the 'Run Mode' dropdown menu with the following options: Standard, Run Multiple Times, Run Until Pass, and Run Until Failure. 'Run Multiple Times' is highlighted with an orange background.

Whenever a value from the dropdown is selected, and new field “Value” pops up that lets you fill in the maximum number of times you want to run this step – if Run Until Pass or Run Until Failure is selected or the number of times you want to run this step if Run Multiple Times is selected.

The screenshot shows the 'Run Mode' configuration dialog box. 'Run Mode' is set to 'Run Multiple Times'. Below it is a 'Value' input field.

You can input the number of times you want this particular step to run here.

Value*

To read about how to fully utilize this feature, please refer to **Warrior User Guide: Section 11.2, Section 11.3, Section 11.4, and Section 11.5**.

3.19. ITERATION TYPE

This field lets you select the type of iteration. This will come as prefilled and can change if required.

Iteration Type

3.20. CONTEXT

Context

On clicking the dropdown you would be able to select from one of the options presented to you. **The default is 'positive'**.

Context

3.20. IMPACT

Impact

On clicking the dropdown you would be able to select from one of the options presented to you. The default is 'Impact'.



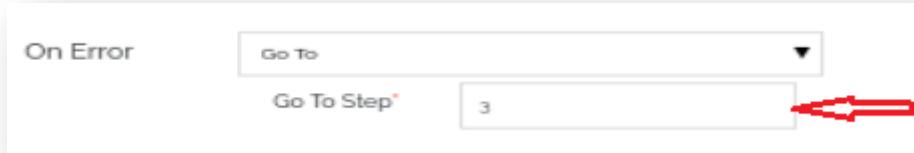
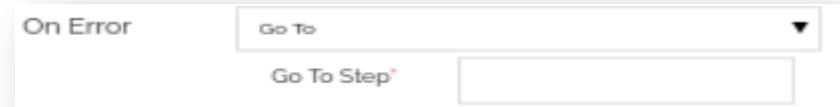
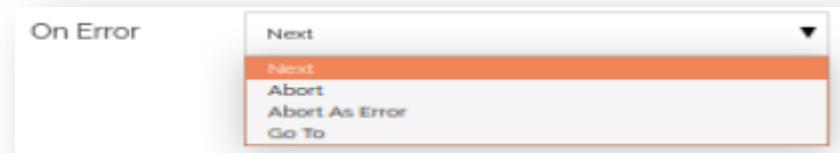
To read about how to fully utilize this feature, please refer to [Warrior User Guide: Section 11.6 and Section 11.7](#).

3.21. ON ERROR

This tag handles the Error condition. You can click on the dropdown to choose an option. The default is whatever the case onError value is.



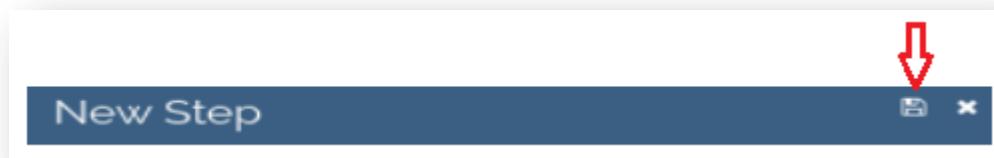
You can click on the dropdown to assign a different error handling for this step.



To read about how to fully utilize this feature, please refer to [Warrior User Guide: Section 11.10, Section 11.11, Section 11.12, and Section 11.13](#).

3.22. SAVE STEP

Clicking on the ‘Save Step’ button saves this step. This DOES NOT save the case – only that particular step. A step must be saved



Once the step is saved, a summary of it would appear on that page. This would look something like this:

Step #	Repo	Driver	Keywo..	Argum..	Descri..	Execut..	Run Mode	Iteration Type	Context	Impact	On Error
1	warrior	seleniu..driv..	verify_p.._prop..		Open C..hrome Brow..	Yes	Standar..	Standar..	Positive	Impact..	Go To + 3

3.23. CANCEL STEP

On the other hand, clicking on ‘X’ discards all the changes made to this step.



3.24. EDIT STEP

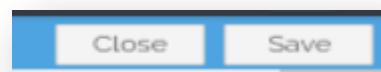
Clicking on the step lets you edit an already created step.



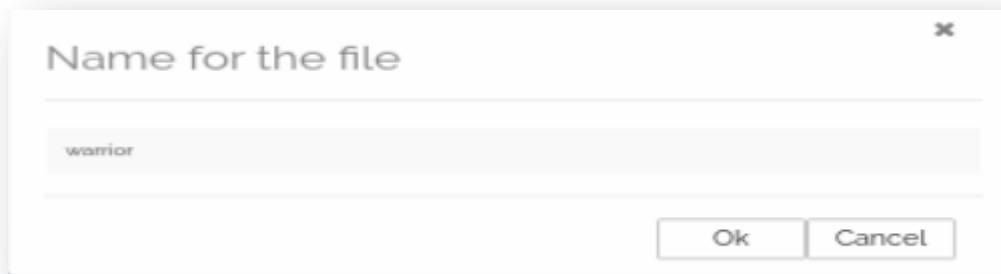
This opens up the step editor once again and you can make the desired changes.

3.25. SAVE CASE

Clicking on ‘Save’ saves the entire Case. If any unsaved step is present when this button is clicked, that unsaved step will get saved.



On clicking the Save button; a pop message box will open to mention the case name as below.



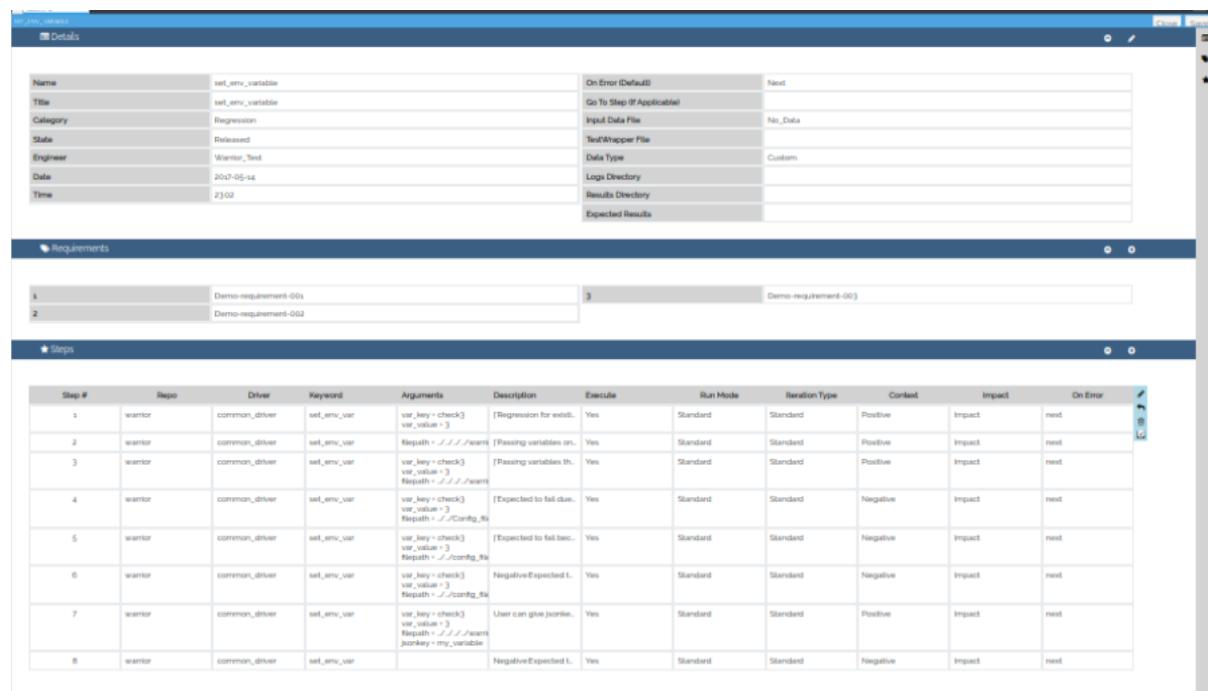
On clicking “Ok” button, Testcase will save.

3.26. CANCEL CASE

Clicking on ‘Close’ discards all the changes performed.



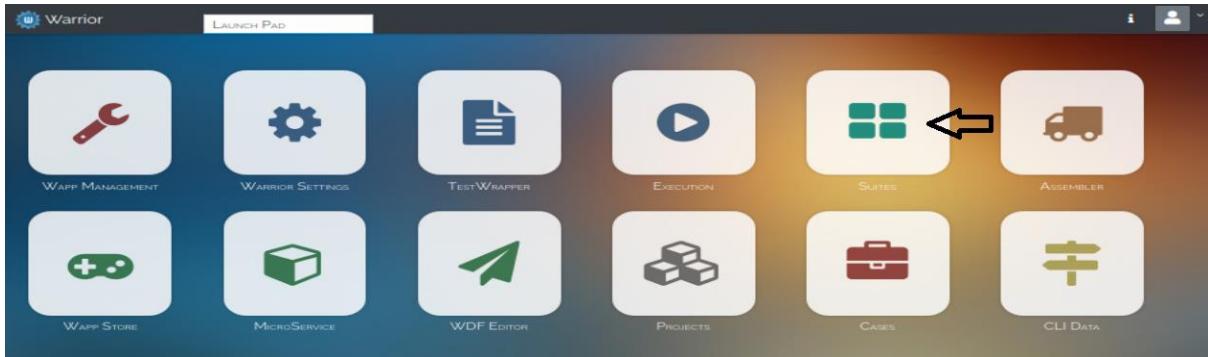
The case thus created would look something like this:



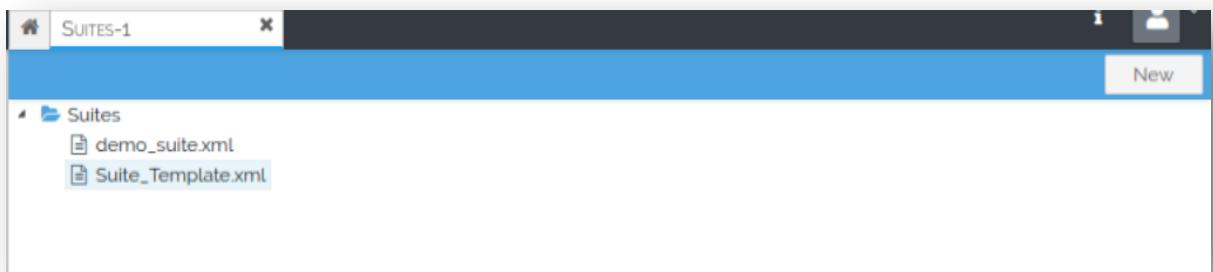
Step #	Repo	Driver	Keyword	Arguments	Description	Execute	Run Mode	Iteration Type	Context	Impact	On Error
1	warrior	common_driver	set_env_var	var_key=check3 var_value=3	(Regression for exists.	Yes	Standard	Standard	Positive	Impact	next
2	warrior	common_driver	set_env_var	RepPath = ../../../../warrior	(Passing variables on.	Yes	Standard	Standard	Positive	Impact	next
3	warrior	common_driver	set_env_var	var_key=check3 var_value=3 RepPath = ../../../../warrior	(Passing variables th.	Yes	Standard	Standard	Positive	Impact	next
4	warrior	common_driver	set_env_var	var_key=check3 var_value=3 RepPath = ../../../../warrior	(Expected to fail due.	Yes	Standard	Standard	Negative	Impact	next
5	warrior	common_driver	set_env_var	var_key=check3 var_value=3 RepPath = ../../../../config.xls	(Expected to fail bec.	Yes	Standard	Standard	Negative	Impact	next
6	warrior	common_driver	set_env_var	var_key=check3 var_value=3 RepPath = ../../../../config.xls	NegativeExpected L.	Yes	Standard	Standard	Negative	Impact	next
7	warrior	common_driver	set_env_var	var_key=check3 var_value=3 RepPath = ../../../../warrior monkey = my_variable	User can give jsonke.	Yes	Standard	Standard	Positive	Impact	next
8	warrior	common_driver	set_env_var		NegativeExpected L.	Yes	Standard	Standard	Negative	Impact	next

4. CREATING SUITES WITH KATANA

Katana allows you to create Suites through its user interface. You have to start up Katana and go to its Suites app.

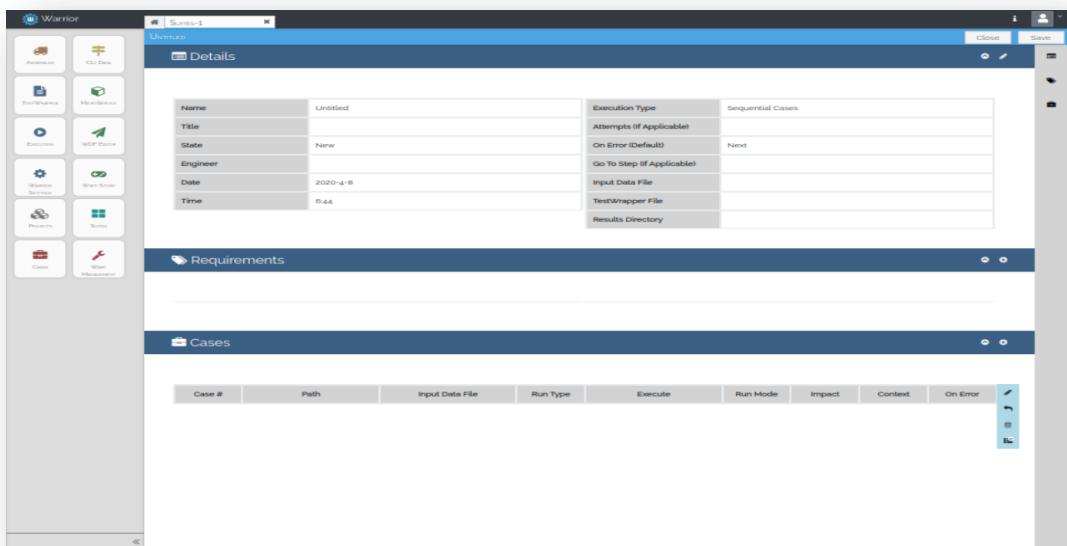


There, you will see a “New” button:



Note: The list of suites below the “New” button may differ as Katana would show the Suites saved in your suite directory.

On clicking that button, you will be directed to a new page



On Clicking on Edit Details button, you will be redirected to edit or add the details section data.



A step by step guide to create a case in Katana is given below.

4.1. NAME

A screenshot of a software interface showing a 'Name*' label next to a text input field. The input field contains the text 'Untitled'. Above the input field is a blue toolbar with icons for edit, save, and cancel.

Here enter the name of the suite. A name can be anything that you recognize. This is a mandatory field.

A screenshot of a software interface showing a 'Name*' label next to a text input field. The input field contains the text 'Suite_01'. Above the input field is a blue toolbar with icons for edit, save, and cancel.

4.2. TITLE

A screenshot of a software interface showing a 'Title*' label next to an empty text input field. Above the input field is a blue toolbar with icons for edit, save, and cancel.

A suite Title (or description) is a field where you can add a descriptive title to identify what this suite does. This is a mandatory field.

A screenshot of a software interface showing a 'Title*' label next to a text input field. The input field contains the text 'Suite_01_Title'. Above the input field is a blue toolbar with icons for edit, save, and cancel.

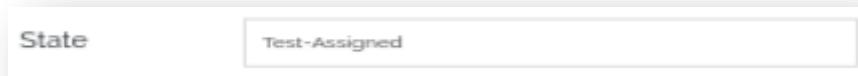
4.3. STATE

A screenshot of a software interface showing a 'State' label next to a text input field. The input field contains the text 'New'. Above the input field is a blue toolbar with icons for edit, save, and cancel.

A state is informative when you have to keep track of which suites are new, released, or in review. These are the in-build categories that are available to you. This is an optional field, but it is recommended that you fill out this field so as to keep track of which suite is in which state of development.

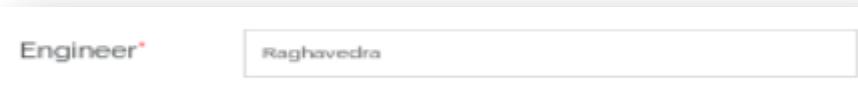


You can select any state of your choice, like “**New**”. This would mark your suite as “New” meaning that this is a newly created suite. Furthermore, you can select the state by using above dropdown options.



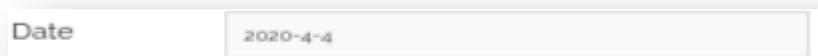
4.4. ENGINEER

This field indicates the name of the Engineer who created this Case. This is a prefilled field but, you can change it if you want to. This is a mandatory field.



4.5. Date

This field indicates the Date on which this Suite was last updated. This is a prefilled field, but the contents cannot be changed.



4.6. TIME

This field indicates the time on which this Suite was last updated. This is a prefilled field, but the contents cannot be changed.

A screenshot of a software interface showing a 'Time' field. The field contains the value '16:5'. The field has a light gray background and a thin black border.

4.7. EXECUTION TYPE

A screenshot of a software interface showing an 'Execution Type' dropdown menu. The menu is open and displays several options: 'Sequential Cases' (selected), 'Parallel Cases', 'Iterative Sequential Cases', 'Iterative Parallel Cases', 'Run Until Fail', 'Run Until Pass', and 'Run Multiple Times'. The 'Sequential Cases' option is highlighted with a light orange background.

This is a **mandatory** field that lets you determine how the suite should run. You can click on the dropdown and select the 'execution type' of the suite.

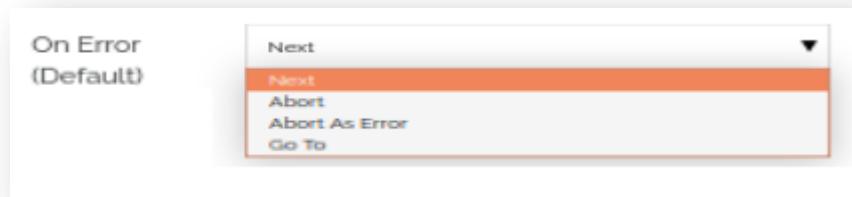
A screenshot of a software interface showing an 'Execution Type' dropdown menu. The menu is expanded and displays the following options: Sequential Cases, Parallel Cases, Iterative Sequential Cases, Iterative Parallel Cases, Run Until Fail, Run Until Pass, and Run Multiple Times. The 'Parallel Cases' option is highlighted with a light orange background.

4.8. ON ERROR (DEFAULT)

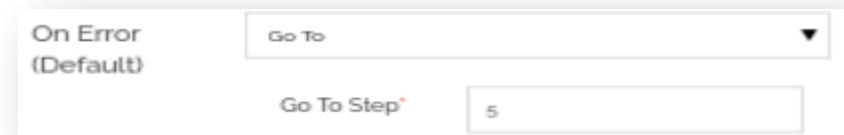
This is field where you can specify what the Suite should do it case it errors out. By default, it is "next", that is, if you don't make a change, the Suite will proceed to the next Suite available for execution if the current suite throws an error.

A screenshot of a software interface showing an 'On Error (Default)' dropdown menu. The menu is open and displays the option 'Next' (selected). The 'Next' option is highlighted with a light orange background.

Clicking on the dropdown shows all the options that are available to you to tell Warrior Framework what to do in the case where the current Case errors out. You have the ability to choose any one of them.

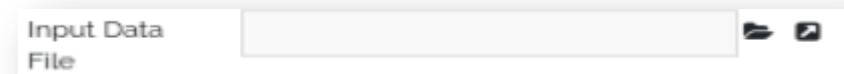


On selecting “Go To”, another pops up and lets you add the Case number that Warrior should go to in case of an error.

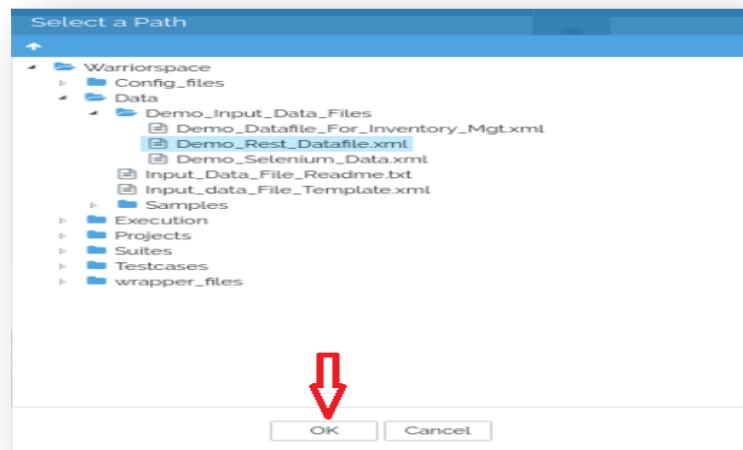


4.9. INPUT DATA FILE

This is field wherein you can add the path to a datafile (Warrior Framework User Guide: Section 9.0) that you want this case to use. This field is not mandatory.



You can click on the “Folder” icon, which would open up a file explorer which would let you select a file.

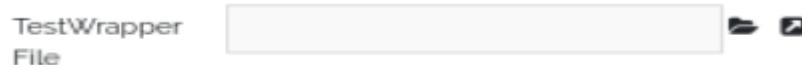


You can also directly enter the path into the field.

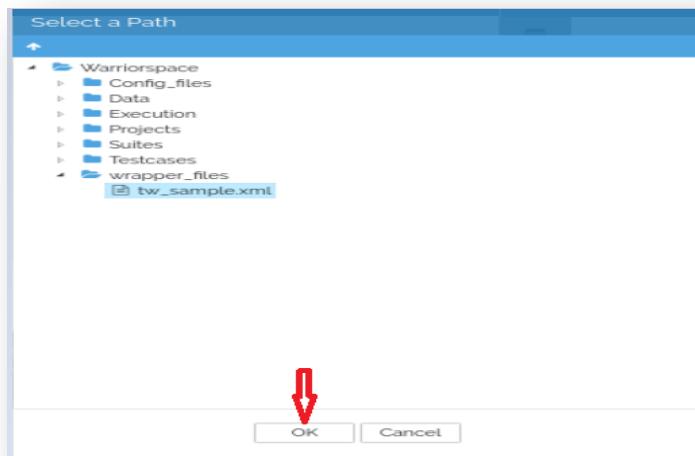


4.10. TEST WRAPPER FILE

This is field wherein you can add the path to a test wrapper file that you want this suite to use. This field is not mandatory.



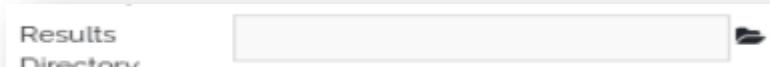
You can click on “Folder” icon, which would open up a file explorer which would let you select a file.



You can also directly enter the path into the field.



4.11. RESULTS DIRECTORY



This field lets you specify the path to the Results directory – this directory is where all the results returned by Warrior would be stored. This is an optional field.



If left empty, the results would be directed and stored in the default location.

4.11. REQUIREMENTS

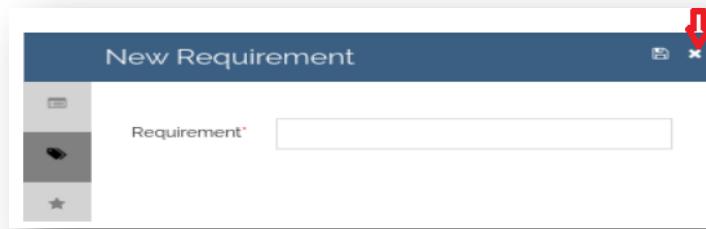
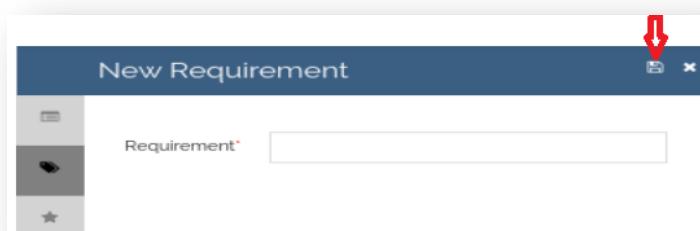
This field is for you add any requirements that this suite may have. This is an optional field. You can add a new requirement by clicking on the “Add New Requirement” button



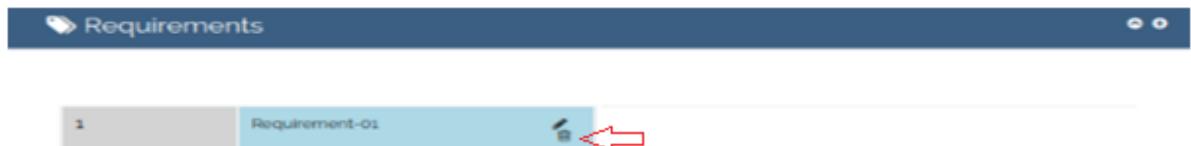
This opens up a new field in which you can specify the requirement.



Once typed in, you can click on save button to save it or “X” to discard all changes.



You can also delete an added requirement by clicking the delete icon against the Requirement that you want to delete.



After this point, every input is related to the case:



On clicking the “Add new Case” button, a new set of fields drop down for you to be filled. All the newly appeared fields are a part of this new “case”.

A screenshot of a "New Case" dialog box. The dialog has a title bar "New Case" and a close button. On the left is a sidebar with icons for folder, file, and star. The main area contains the following fields:

Case Number	<input type="text" value="1"/>
Case Path*	<input type="text"/> [file browser icons]
Data File Path	<input type="text"/> [file browser icons]
Run Type	Sequential Keywords
Execute	Yes
Run Mode	Standard
Context	Positive
Impact	Impact
On Error	Next

4.12. CASE #

This field indicates the case number. This is a prefilled field, but the contents cannot be changed.

A screenshot of a software interface showing a 'Case Number' input field. The field contains the number '1'. To the left of the field is the label 'Case Number'.

4.13. CASE PATH

This is the second field in case part of the Suite creation. You can add a path to the case by clicking on the folder icon



Then, you will be able to select a path to your case, and to enter this path you can click on 'OK'

A screenshot of the 'Case Path' input field. The path './Testcases/Demo_Cases/Demo_Warrior_Rest...' is entered. Below the input field are 'OK' and 'Cancel' buttons. The 'OK' button is highlighted with a red arrow.

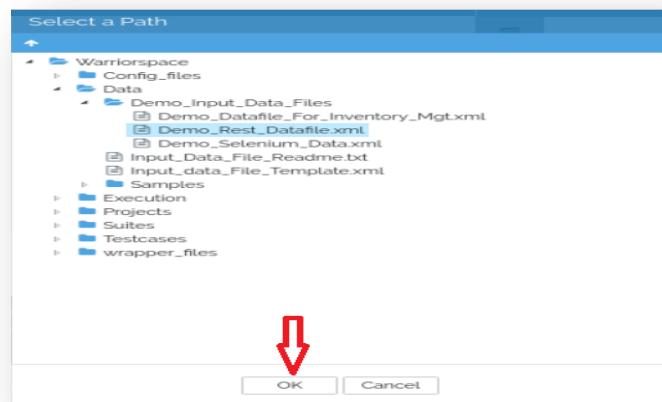
You can also manually add a path to your case. This is a mandatory field.

4.14 DATA FILE

This field is for a path to the data file. You can enter the path by clicking on the folder icon.



A pop up would appear so that you can select a data file.



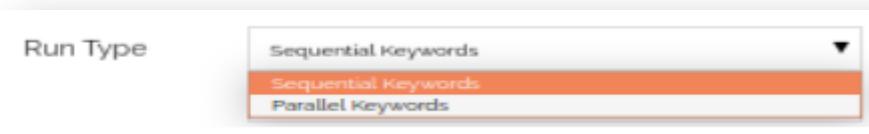
You can also directly enter the path into the field.



4.15. RUN TYPE



The run type dictates how the steps in a Case would run. The default is “Sequential_keywords”.



4.16. EXECUTE

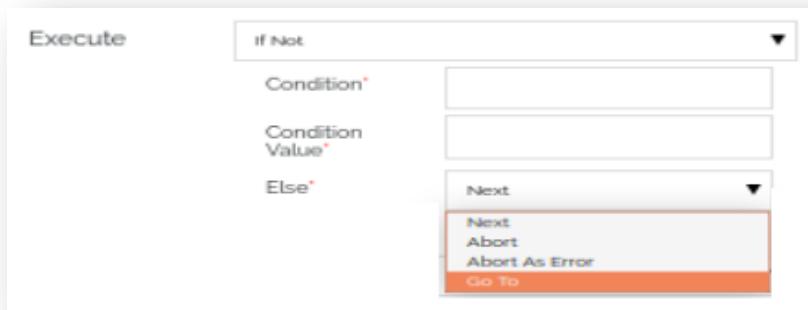
The Execute Type is by **default set to 'Yes'**. You can change it by clicking on the dropdown. This reveals all the options you have available to you.



On clicking on 'If' and 'If Not', two other input boxes show up that let you add your conditions.



The third input box is a dropdown consisting of the condition that handles the scenario where the condition in 'If'/'If Not' is not met and hence Warrior would need to know what to do in such a case.

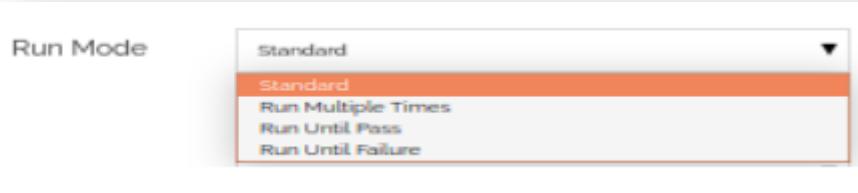


4.17. RUN MODE

This field lets you select if you want this keyword to run until pass (RUP), run until failure (RUF), or run multiple times (RMT). This is an [optional](#) field.



The Run Mode field is dropdown consisting of values “Run Multiple Times”, “Run Until Pass”, and “Run Until Failure”.



Whenever a value from the dropdown is selected, and new field “Value” pops up that lets you fill in the maximum number of times you want to run this step – if Run Until Pass or Run Until Failure is selected or the number of times you want to run this step if Run Multiple Times is selected.

Run Mode

Run Multiple Times

Value*

You can input the number of times you want this particular step to run here.

Run Mode

Run Multiple Times

Value*

4.18. CONTEXT

Context

Positive

On clicking the dropdown you would be able to select from one of the options presented to you. **The default is 'positive'.**

Context

Positive

Positive

Negative

4.19. IMPACT

Impact

Impact

On clicking the dropdown you would be able to select from one of the options presented to you. The default is '**Impact**'.

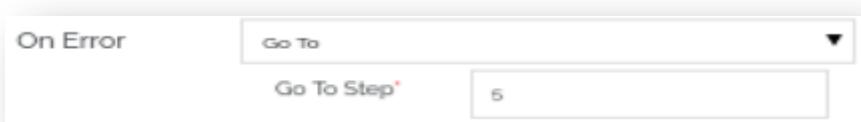


4.20 ON ERROR

This tag handles the Error condition. You can click on the dropdown to choose an option.

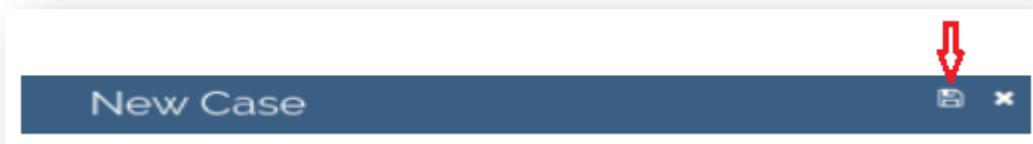


If goto is selected, then, another input box appears that lets you add the number of case to which you want to jump in case of failure.



4.21. SAVE CASE

Clicking on the 'Save Case' button saves this case. This DOES NOT save the suite – only that particular case. A case must be saved.



Once the case is saved, a summary of it would appear on that page. This would look something like this:

Case #	Path	Input Data File	Run Type	Execute	Run Mode	Impact	Context	On Error			
1	./Testcases/Testcase_Template.xml	./Data/Demo_Input_Data_Files/Demo_Rest_Datafile.xml	Sequential Key words	Yes	Standard	Positive	Impact	Next			

4.22. CANCEL CASE

On the other hand, clicking on ‘X’ discards all the changes made to this step.



4.23. EDIT CASE

Clicking on the case lets you edit an already created case.

Case #	Path	Input Data File	Run Type	Execute	Run Mode	Impact	Context	On Error	Actions
1	./Testcases/Testcase_Template.xml	./Data/Demo_Input_Data_Files/Demo_REST_Datasheet.xml	Sequential Key words	Yes	Standard	Positive	Impact	Next	

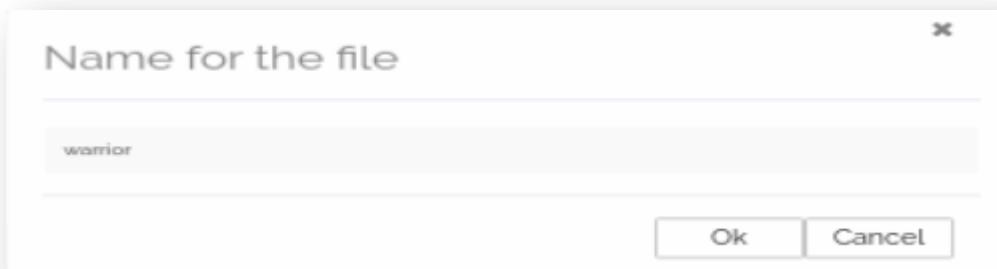
This opens up the case editor once again and you can make the desired changes.

4.24 SAVE SUITE

Clicking on ‘Save’ saves the entire Suite. If any unsaved case is present when this button is clicked, that unsaved case will get saved.



On clicking the Save button; a pop message box will open to mention the case name as below.



On clicking “Ok” button, Testsuite will save.

4.25. CANCEL SUITE

Clicking on ‘Close’ discards all the changes performed.



The suite thus created would look something like this:

The screenshot shows a software application window for managing test suites. At the top, there's a toolbar with icons for 'New', 'Open', 'Save', 'Print', and 'Exit'. Below the toolbar, the title bar reads 'Suite-1 TS_COMMON_ACTION_SUITE_WRAPPER'. The main area has tabs: 'Details', 'Requirements', and 'Cases'. The 'Details' tab is active, displaying configuration details in a grid:

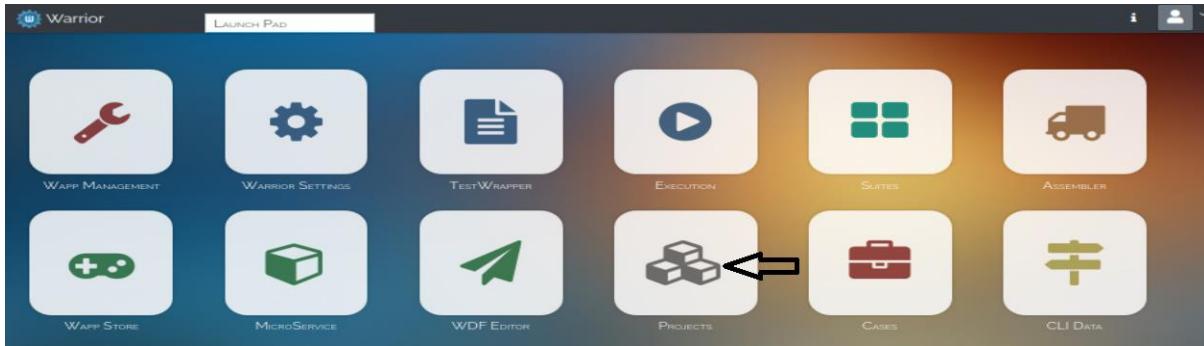
Name	ts_common_action_suite_wrapper	Execution Type	Run Multiple Times
Title	ts_common_action_suite_wrapper	Attempts (if Applicable)	2
State	New	On Error (Default)	Next
Engineer	Warrior_user	Go To Step (if Applicable)	
Date	11/17/2017	Input Data File	No_Data
Time	10:37:44	TestWrapper File	./wrapper_files/common_actions_tests/tw_store_in_repo.x
		Results Directory	

The 'Cases' tab is also visible, showing a table with one row:

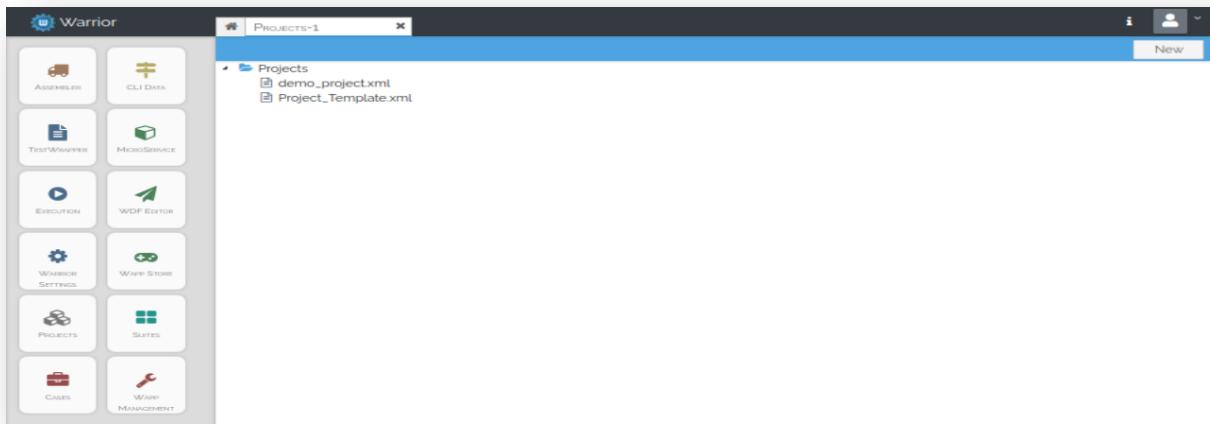
Case #	Path	Input Data File	Run Type	Execute	Run Mode	Impact	Context	On Error
1	./testcases/common_acti...	None	Sequential...	Yes	Standard	Positive	Impact	Next

5. CREATING PROJECTS WITH KATANA

Katana allows you to create Projects through its user interface. You have to start up Katana and go to its Projects app.

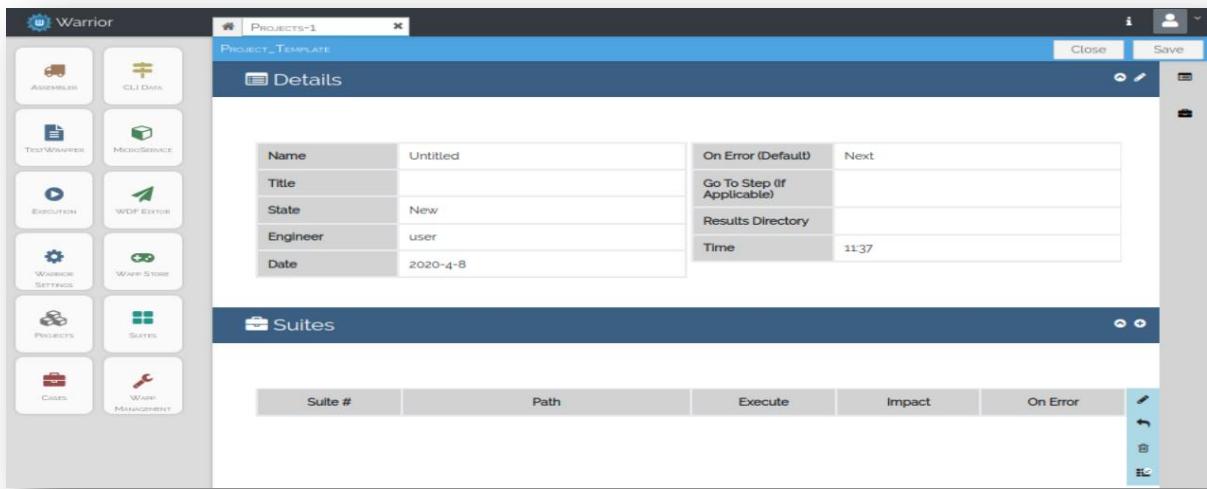


There, you will see a “New” button:



Note: The list of projects below the “New” button may differ as Katana would show the Projects saved in your project directory.

On clicking that button, you will be directed to a new page:



A step by step guide to create a project in Katana is given below:

5.1. NAME

Name*

Here enter the name of the project. A name can be anything that you recognize. This is a mandatory field.

Name*

5.2. TITLE

Title*

A Title (or description) is a field where you can add a descriptive title to identify what this project does. This is a mandatory field.

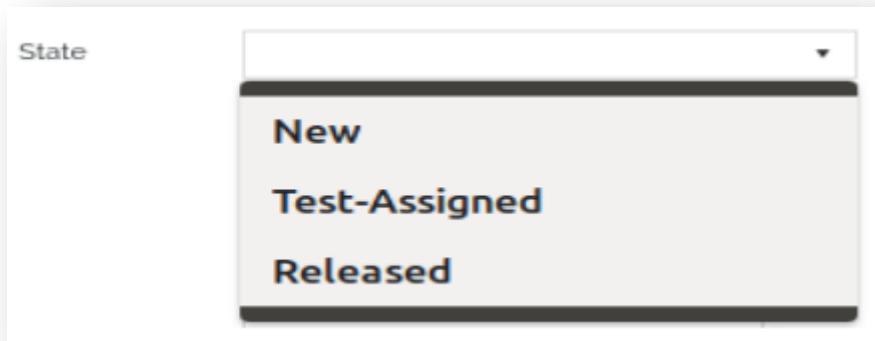
Title*

5.3. STATE



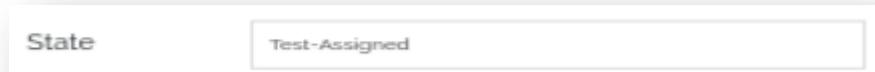
A screenshot of a software interface showing a 'State' field. The field has a dropdown arrow icon. A dropdown menu is open, listing three options: 'New', 'Test-Assigned', and 'Released'. The 'New' option is highlighted.

A project state is informative when you have to keep track of which projects are new, released, or in test assigned. These are the in-build categories that are available to you. This is an optional field, but it is recommended that you fill out this field so as to keep track of which project is in which state of development.



A screenshot of a software interface showing a 'State' field. The field has a dropdown arrow icon. A dropdown menu is open, listing three options: 'New', 'Test-Assigned', and 'Released'. The 'Test-Assigned' option is highlighted.

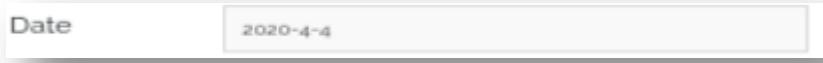
You can select any state of your choice, like "New". This would mark your suite as "New" meaning that this is a newly created project. Furthermore, you can choose from the drop downs.



A screenshot of a software interface showing a 'State' field. The field has a dropdown arrow icon. A dropdown menu is open, listing three options: 'New', 'Test-Assigned', and 'Released'. The 'Test-Assigned' option is highlighted.

5.4. Date

This field indicates the Date on which this project was last updated. This is a prefilled field, but the contents cannot be changed.



A screenshot of a software interface showing a 'Date' field. The field contains the pre-filled value '2020-4-4'.

5.5. TIME

This field indicates the time on which this project was last updated. This is a prefilled field, but the contents cannot be changed.

Time	10:5
------	------

5.6. ON ERROR(DEFAULT)

This is field where you can specify what the Project should do it case it errors out. By default, it is “next”, that is, if you don’t make a change, the Project will proceed to the next Project available for execution if the current suite throws an error.

On Error (Default)	Next
-----------------------	------

Clicking on the dropdown shows all the options that are available to you to tell Warrior what to do in the case where the current Project errors out. You have the ability to choose any one of them.

On Error (Default)	Next
	Next
	Abort
	Abort As Error
	Go To

On selecting “Go To”, another pops up and lets you add the project number that Warrior should go to in case of an error.

On Error (Default)	Go To
	Go To Step*
	5

5.7. RESULTS DIRECTORY

Results Directory	<input type="text"/> 
----------------------	--

This field lets you specify the path to the Results directory – this directory is where all the results returned by Warrior would be stored. This is an **optional** field.

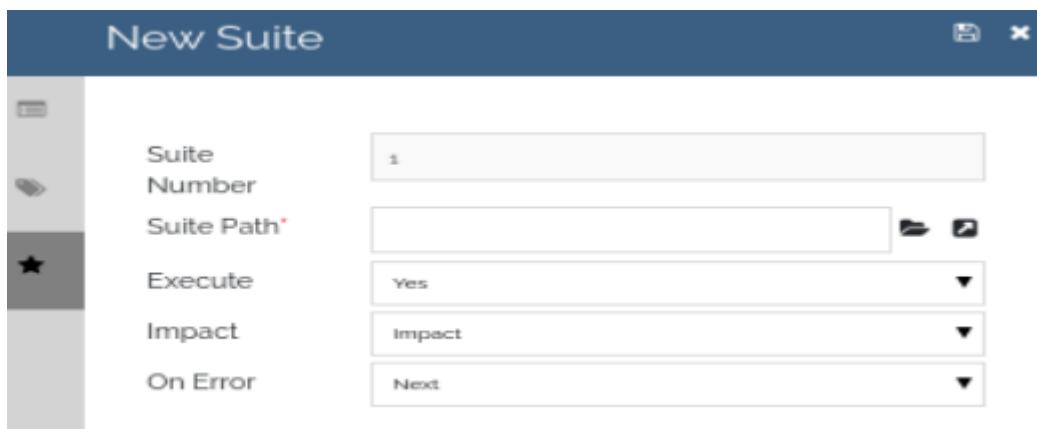


If left empty, the results would be directed and stored in the default location.

After this point, every input is related to the suite:



On clicking the “Add new Suite” button, a new set of fields drop down for you to be filled. All the newly appeared fields are a part of this new “suite”.



5.8. SUITE

This field indicates the Suite number. This is a prefilled field, but the contents cannot be changed.

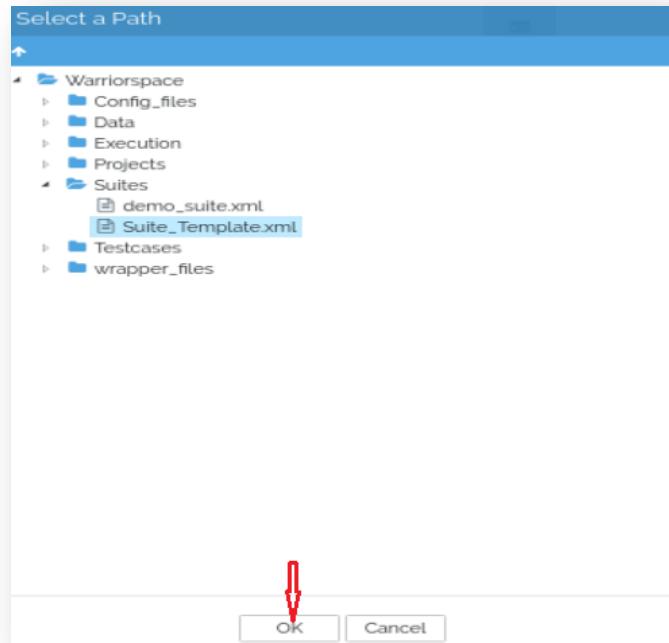
Suite Number	1
--------------	---

5.9 SUITE PATH

Suite Path*	/home/raghuram/results
-------------	------------------------

This is the first field in case part of the Suite creation. You can add a path to the case by clicking on the folder icon.

Then, you will be able to select a path to your case, and to enter this path you can hit 'OK'.



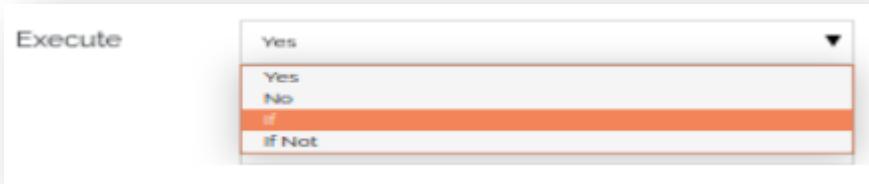
You can also manually add a path to your suite. This is a **mandatory** field.

A screenshot of a user interface element for specifying a suite path. It consists of a text input field labeled 'Suite Path*' containing the path './suites/suite_Template.xml'. To the right of the input field are two small icons: a folder symbol and a magnifying glass symbol.

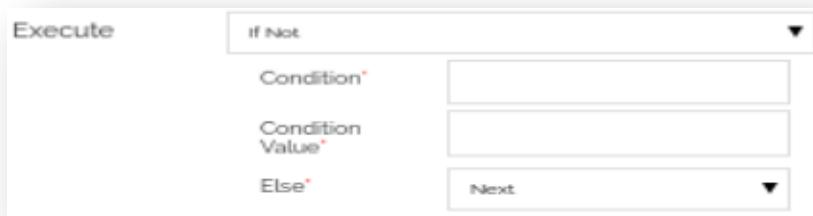
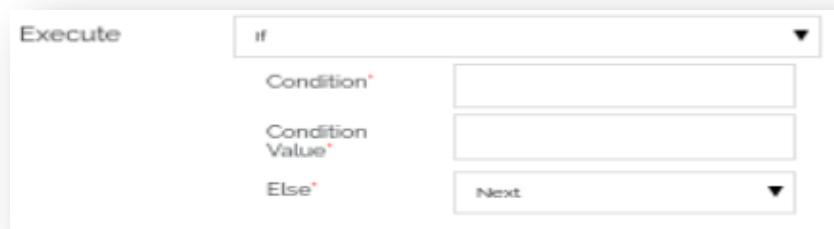
5.10 EXECUTE

The Execute Type is by **default set to 'Yes'**. You can change it by clicking on the dropdown. This reveals all the options you have available to you.

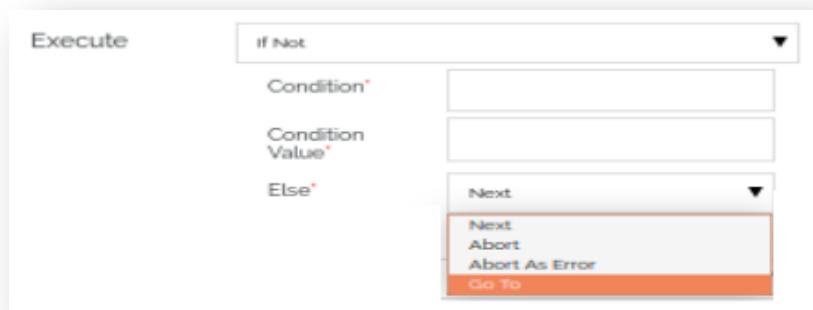
A screenshot of a dropdown menu for the 'Execute' setting. The menu is open and shows the word 'Yes' as the selected option. There is a small downward arrow icon to the right of the menu items.



On clicking on 'If' and 'If Not', two other input boxes show up that let you add your conditions.

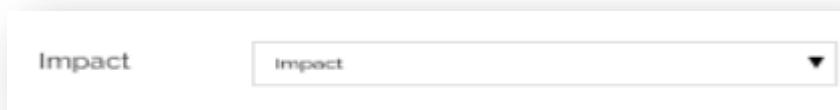


The third input box is a dropdown consisting of the condition that handles the scenario where the condition in 'If'/'If Not' is not met and hence Warrior would need to know what to do in such a case.





5.11 IMPACT



On clicking the dropdown you would be able to select from one of the options presented to you. The default is '**Impact**'.



5.12 ON ERROR

This tag handles the Error condition. You can click on the dropdown to choose an option.

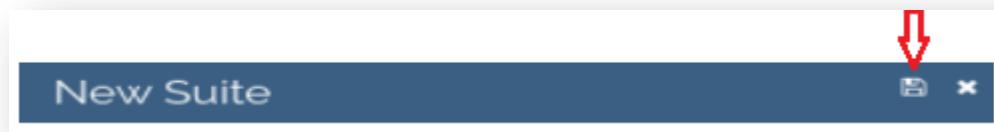


If goto is selected, then, another input box appears that lets you add the number of case to which you want to jump in case of failure.



5.13 SAVE SUITE

Clicking on the ‘Save Suite’ button saves this case. This DOES NOT save the suite – only that particular suite. A suite must be saved.



Once the suite is saved, a summary of it would appear on that page. This would look something like this:

Suite #	Path	Execute	Impact	On Error	
1	./Suites/Suite_Template.xml	Yes	Impact	Go To - 5	

5.14 EDIT SUITE

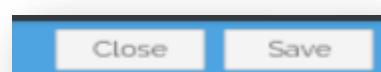
Clicking on the edit button lets you edit an already created suite.

Suite #	Path	Execute	Impact	On Error	
1	./Suites/Suite_Template.xml	Yes	Impact		Select a Suite to edit it

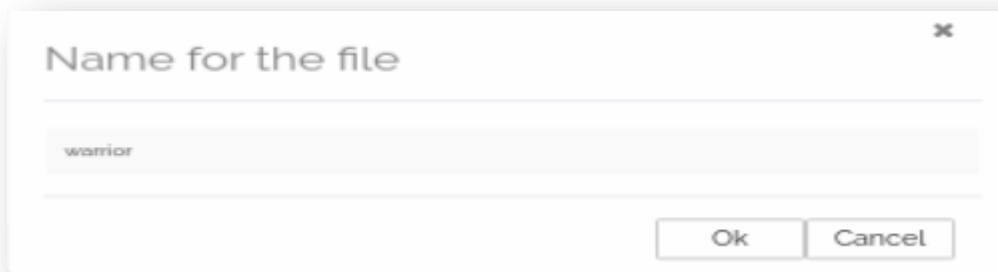
This opens up the suite editor once again and you can make the desired changes.

5.15 SAVE PROJECT

Clicking on ‘Save’ saves the entire project. If any unsaved project is present when this button is clicked, that unsaved project will get saved.



On clicking the Save button; a pop message box will open to mention the project name as below.



On clicking “Ok” button, Project will save.

5.16. CANCEL PROJECT

Clicking on ‘Close’ discards all the changes performed.



The project thus created would look something like this:

The screenshot shows the TestRail interface for a project named "pj_common_actions".

Project Details:

Name	pj_common_actions
Title	pj_common_actions
State	New
Engineer	Arvind Kumar Sethuraman
Date	23/01/2017

On Error (Default): Next

Go To Step (If Applicable): (empty)

Results Directory: (empty)

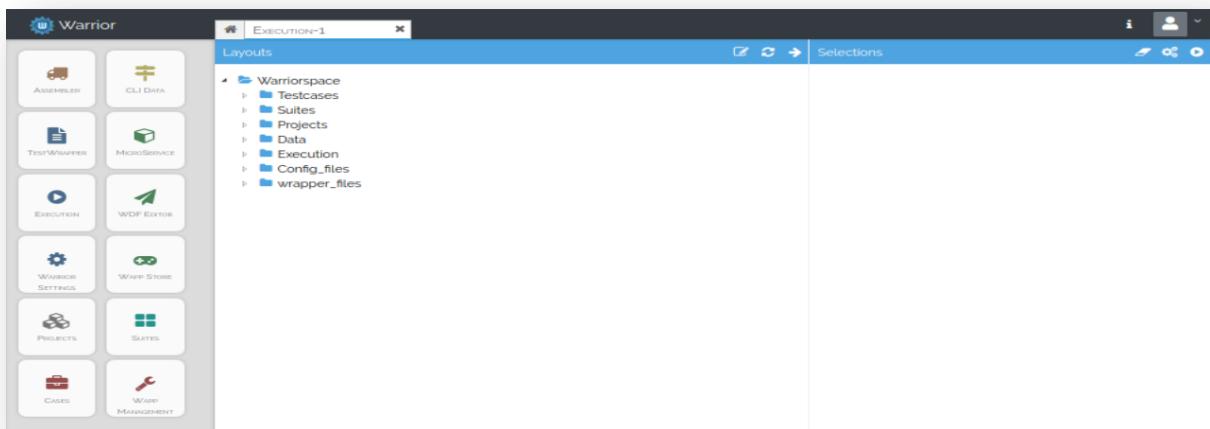
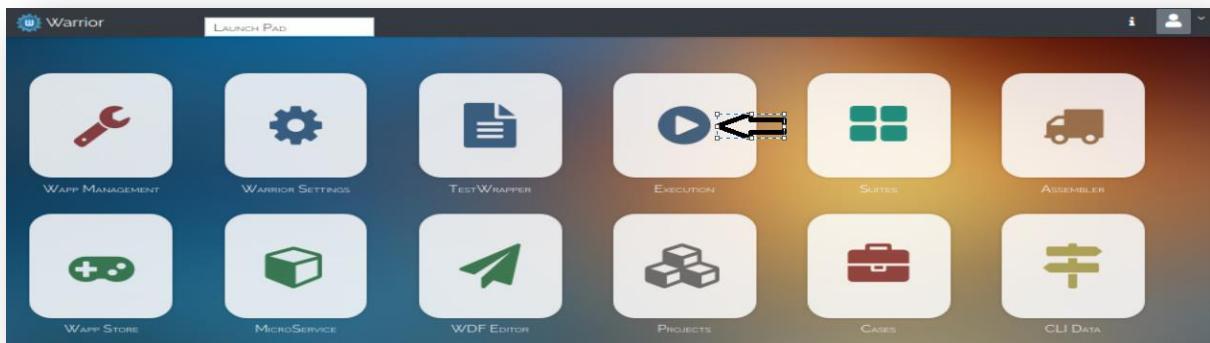
Time: 13:07:26

Suites:

Suite #	Path	Execute	Impact	On Error
1	../suites/common_action_tests/common...	Yes	Impact	Next
2	../suites/framework_tests/random_execu...	Yes	Impact	Next

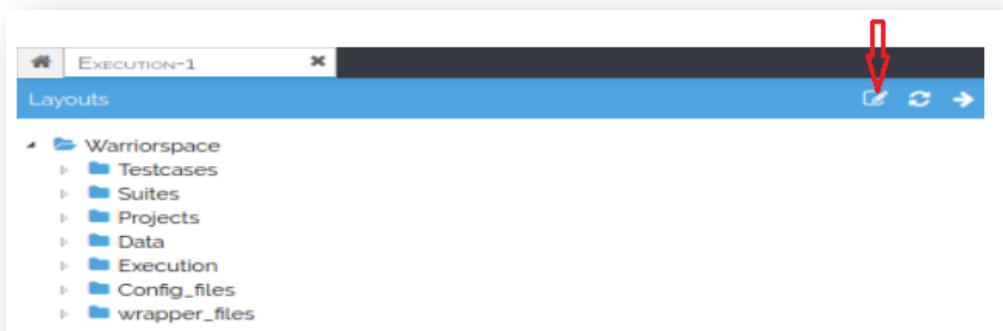
6. EXECUTING THROUGH KATANA

Katana allows you to execute a case through its user interface. You have to start up Katana and go to its Execution app.

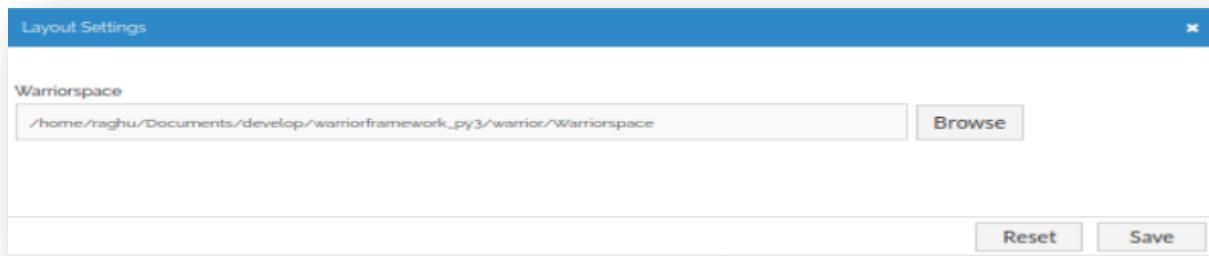


Note: The list of files below the Warriorspace will display cases to run through execution app.

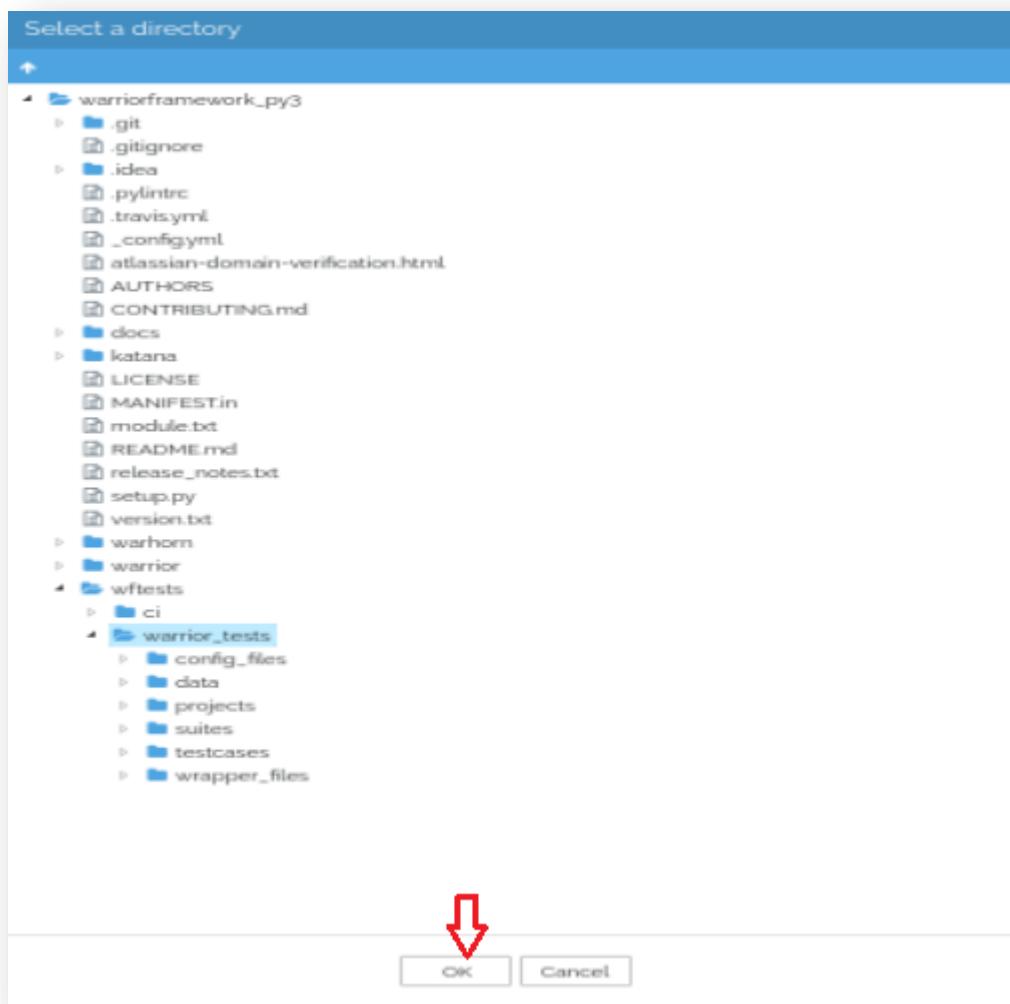
To pick the cases in your local directory, click on the **Layout settings** button to configure the directory path of your XML files



You can change the directory path by clicking the browse button and select the path.

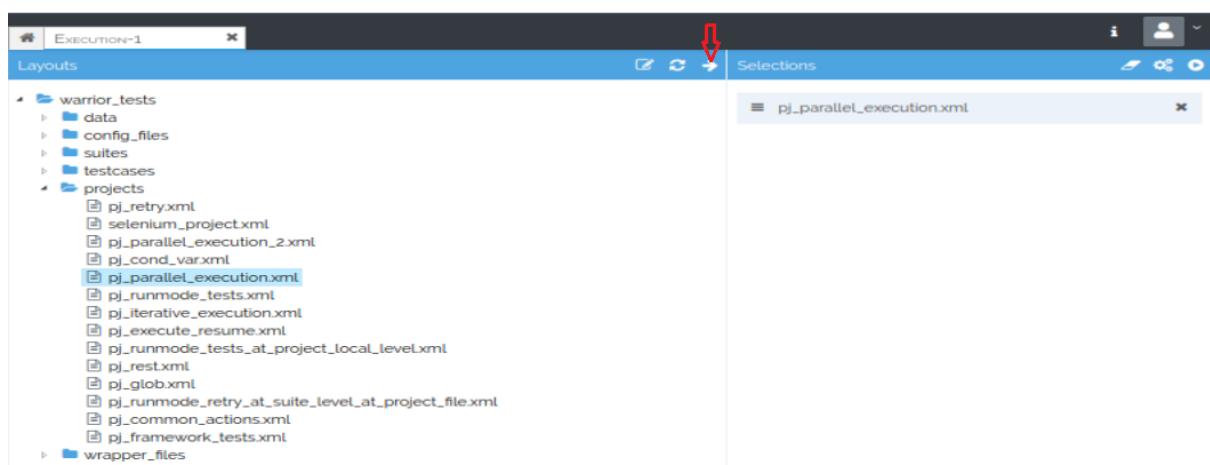


Click OK button to configure the directory path for executing the case by selecting appropriate file.





On clicking the save button, your executable files will display in user interface and select the file and click on “**copy to selections area button**”, can see the selected file under the selections.



Click on Execute button to execute a testcase and a template will open, Console logs will display by running the case as mentioned in below screen print.

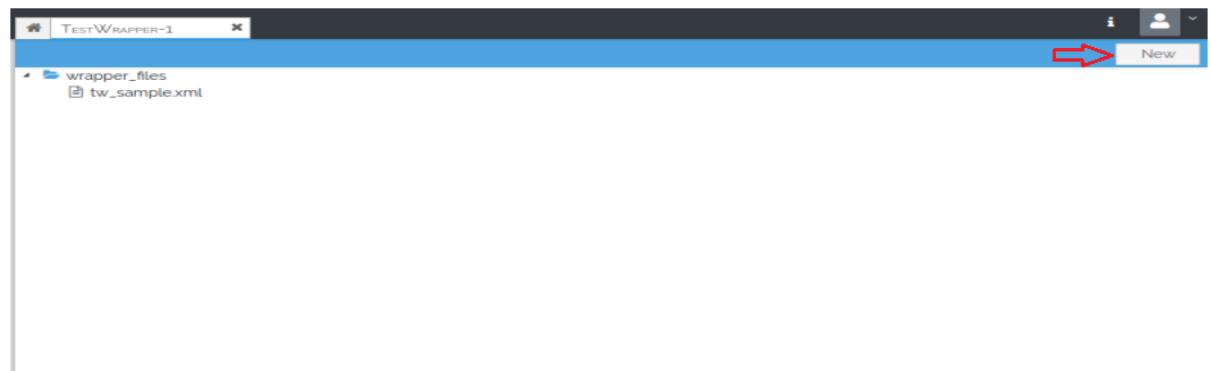
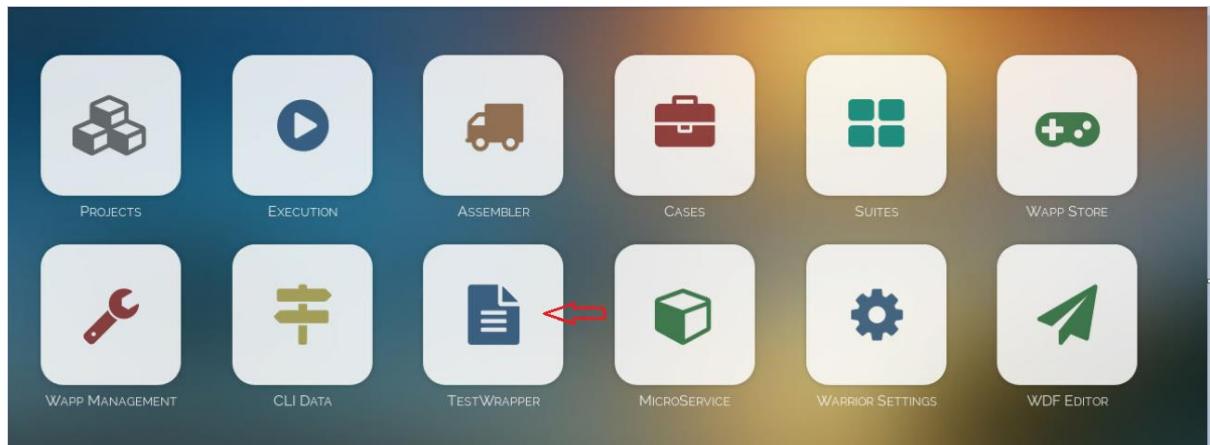


You can see the results on another tab “HTML Results” and can identify the status of the case.

Type	Name	Info	Timestamp	Duration	Status	Impact	On Error	Logs (1)	Defects (0)	Summ..
v case	tc_sel_		2020-01-01 10:00:00	7:0	FAIL					

7. CREATING A WRAPPER FILE FROM KATANA

Katana allows you to create wrapper files through its user interface. You have to start up Katana and go to its test wrapper app. There, you will see a “New” button.



Note: The list of wrapper files below the “wrapper_files” button may differ as Katana would show the wrapper files saved in your wrapper file directory.

On clicking that “New” button, you will be directed to a new page:



A step by step guide to create a wrapper file is Katana is given below

7.1. NAME

Name*	<input type="text" value="Untitled"/>
-------	---------------------------------------

Here enter the name of the wrapper file. A name can be anything that you recognize. This is a **mandatory** field.

Name*	<input type="text" value="sample_tw_file"/>
-------	---

7.2. TITLE

Title*	<input type="text"/>
--------	----------------------

A Title (or description) is a field where you can add a descriptive title to identify what this wrapper file does. This is a **mandatory** field.

Title*	<input type="text" value="sample wrapper file"/>
--------	--

7.3. ENGINEER

This field indicates the name of the Engineer who created this wrapper file. This is a **mandatory** field.

Engineer*	<input type="text" value="Raghavendra"/>
-----------	--

7.4. Date

This field indicates the Date on which this wrapper was last updated. This is a prefilled field, but the contents cannot be changed.

Date	<input type="text" value="2020-4-4"/>
------	---------------------------------------

7.5. TIME

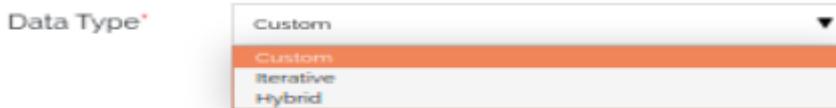
This field indicates the time on which this wrapper was last updated. This is a prefilled field, but the contents cannot be changed.

Time	<input type="text" value="10:5"/>
------	-----------------------------------

7.6. DATATYPE

Data Type*	Custom
------------	--------

This dropdown field lets you indicate what kind how a test wrapper should interact with the datafile. This is a mandatory field.



7.7 SETUP STEPS

Setup steps are optional. A new setup step can be added to the wrapper file setup section by clicking the “Add New Step” button.



On clicking the “Add New Step” button, a new set of fields drop down for you to be filled. All the newly appeared fields are a part of this new “step”.

New Step	
	Step Number
	Repo*
	Driver*
	Keyword*
	Description
	Execute
	Run Mode
	Iteration Type
	Context
	Impact
	On Error

7.7.1. STEP NUMBER

This field indicates the step number. This is a prefilled field, but the contents cannot be changed.

Step Number	1
----------------	---

7.7.2. REPO

This field indicates the repo structure, by default, will display as blank and can choose by using the dropdown. This is a **mandatory** field.

Repo*

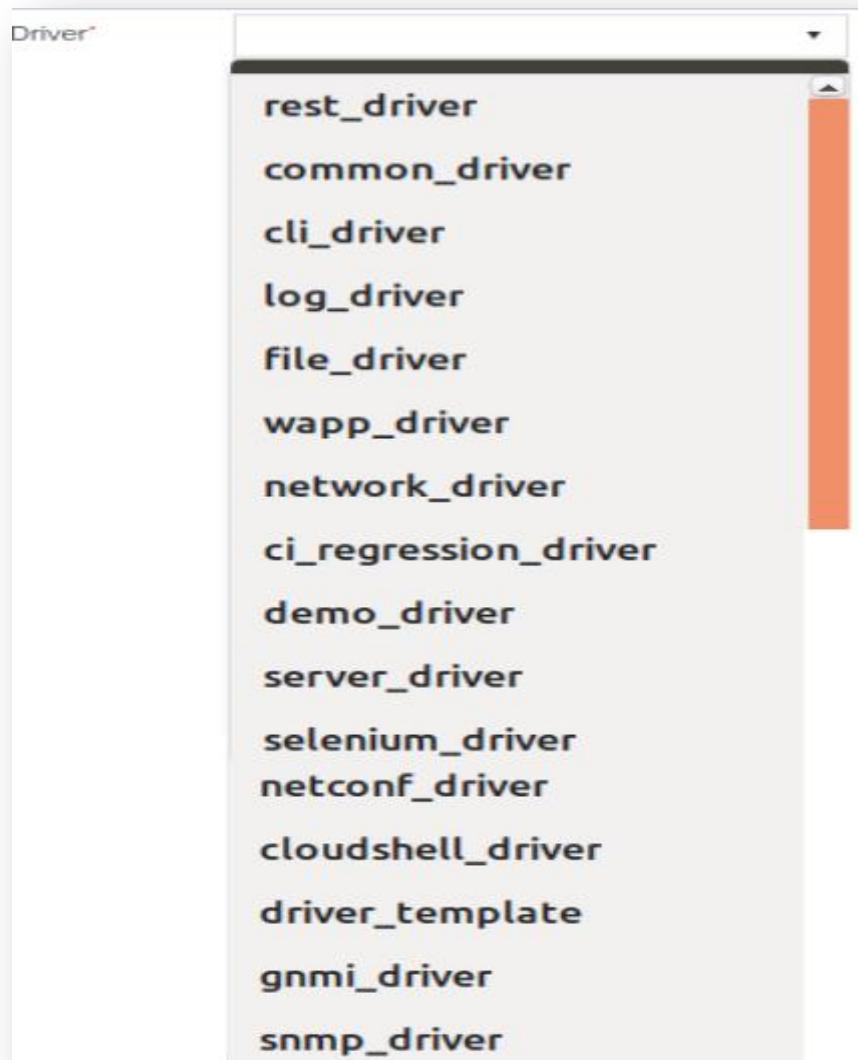
Repo*

7.7.3. DRIVER

Every step must have an associated driver to it. This is a mandatory field.

Driver*

Katana lets you select a driver by showing all the drivers that you have in your Warrior Framework directory in the dropdown. You can select any driver out of those. You would not be able to select any driver which lies outside of the Product Drivers directory. This is because Warrior enforces a strict directory structure for the Actions and Product Drivers.



You can then select any driver from that list:



7.7.4. KEYWORDS

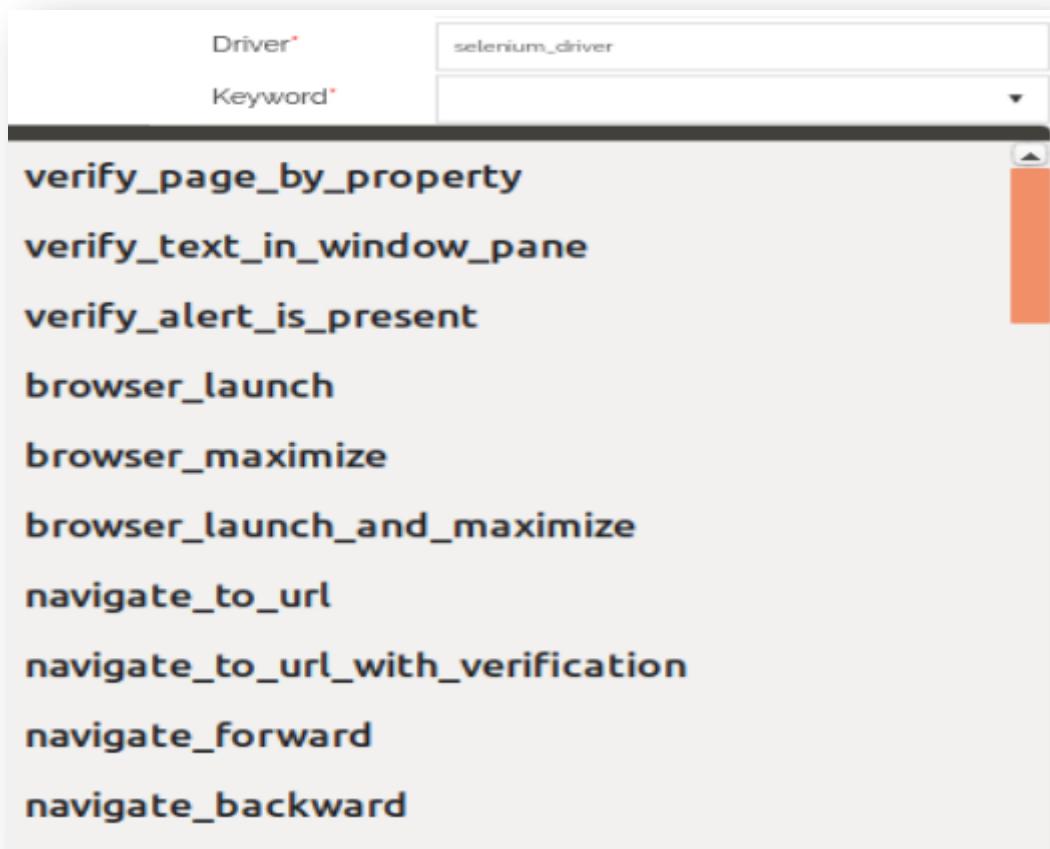
Every step must have an associated keyword to it. This is a mandatory field.



If no driver is selected, no keywords will show up in the dropdown. You have to choose the driver before you can choose the Keyword.



If the driver is chosen, a list of Keywords would show up. You can select any Keyword out of those.



You can then select any keyword that you need.

This space gets populated when a developed keyword is selected. All the arguments accepted by the Keyword show up here. You can type in the values associated with each value against that argument name.

Keyword*	verify_page_by_property												
Signature	verify_page_by_property(self, system_name, expected_value, value_type, browser_name='all', element_config_file=None, element_address=None, element_tag=None)												
Arguments	<table border="1"> <tr><td>system_name</td><td></td></tr> <tr><td>expected_value</td><td></td></tr> <tr><td>value_type</td><td></td></tr> <tr><td>browser_name</td><td></td></tr> <tr><td>element_config_f</td><td></td></tr> <tr><td>element_tag</td><td></td></tr> </table>	system_name		expected_value		value_type		browser_name		element_config_f		element_tag	
system_name													
expected_value													
value_type													
browser_name													
element_config_f													
element_tag													

7.7.5. WDESCRIPTION

This field is populated when the Keyword is chosen. The description is for your reference, so that, you know exactly what this keyword does. This field is a non-editable field.

WDescription	The browser will verify page by lol"format!value_type
--------------	---

7.7.6. COMMENTS

This field also appears prepopulated when a developed Keyword is selected. This is for your benefit, so that you understand what the keyword does when it runs, what kind of arguments it accepts, and what kind of values it returns. 8

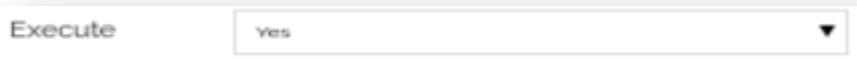
Comments	<p>Returns:</p> <ol style="list-style-type: none"> status(bool): True / False.
----------	---

7.7.7. DESCRIPTION

This field is provided to you so that you can add a description of your own for the chosen Keyword. This description would be displayed when this step is run. This is an optional field.

Description	
Description	Open Chrome Browser

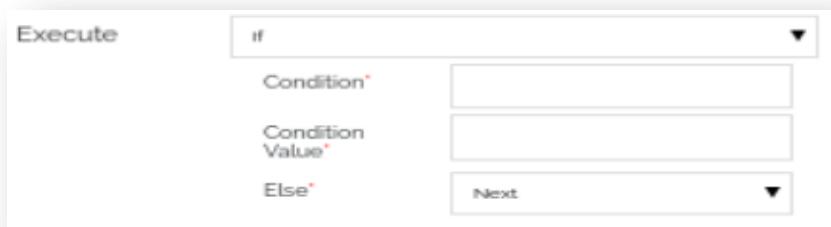
7.7.8. EXECUTE



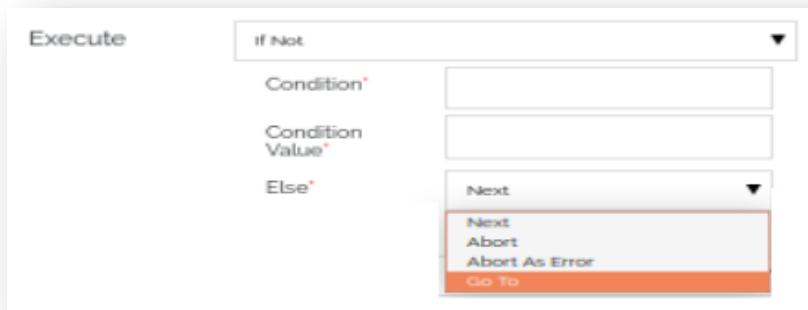
The Execute Type is by default set to 'Yes'. You can change it by clicking on the dropdown. This reveals all the options you have available to you.



On clicking on 'if' and 'If Not', two other input boxes show up that let you add your conditions.



The third input box is a dropdown consisting of the condition that handles the scenario where the condition in 'if'/'If Not' is not met and hence Warrior would need to know what to do in such a case.

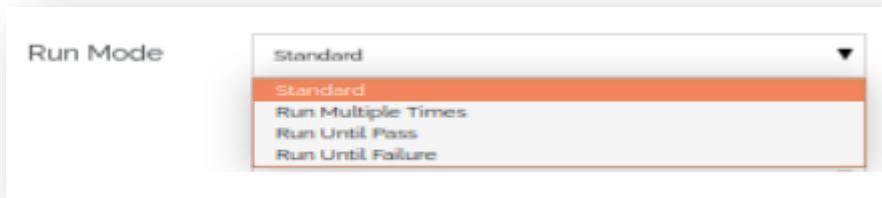


7.7.9. RUN MODE

This field lets you select if you want this keyword to run until pass (RUP), run until failure (RUF), or run multiple times (RMT). This is an optional field.



The Run Mode field is dropdown consisting of values “Run Multiple Times”, “Run Until Pass”, and “Run Until Failure”.



Whenever a value from the dropdown is selected, and new field “Value” pops up that lets you fill in the maximum number of times you want to run this step – if Run Until Pass or Run Until Failure is selected or the number of times you want to run this step if Run Multiple Times is selected.

Run Mode

Run Multiple Times

Value*

You can input the number of times you want this particular step to run here.

Value*

4

To read about how to fully utilize this feature, please refer to **Warrior User Guide: Section 11.2, Section 11.3, Section 11.4, and Section 11.5**.

7.7.10. ITERATION TYPE

This field lets you select the type of iteration. This will come as prefilled and can change if required.

Iteration Type

Standard

7.7.11. CONTEXT

Context

Positive

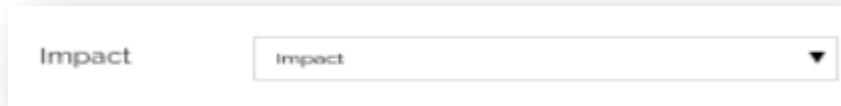
On clicking the dropdown you would be able to select from one of the options presented to you. **The default is 'positive'**.

Context

Positive

Positive
Negative

7.7.12. IMPACT



On clicking the dropdown you would be able to select from one of the options presented to you. **The default is 'impact'**.



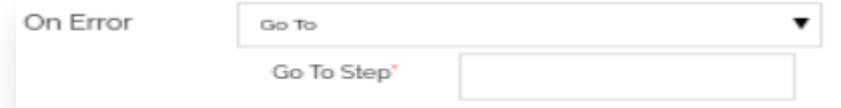
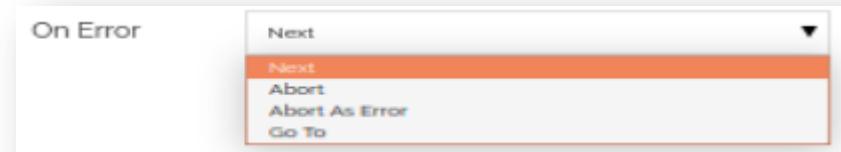
To read about how to fully utilize this feature, please refer to [Warrior User Guide: Section 11.6 and Section 11.7](#).

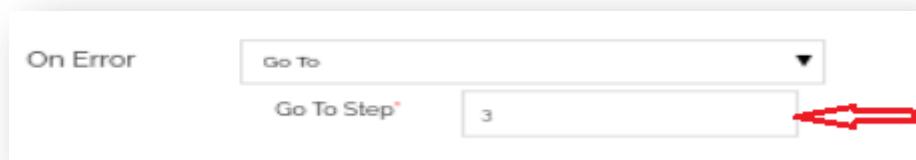
7.7.13. ON ERROR

This tag handles the Error condition. You can click on the dropdown to choose an option. The default is whatever the onError value is.



You can click on the dropdown to assign a different error handling for this step.

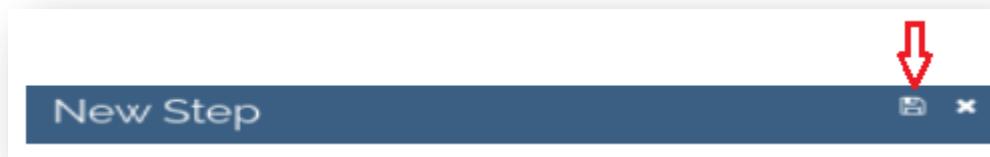




To read about how to fully utilize this feature, please refer to [Warrior User Guide: Section 11.10](#), [Section 11.11](#), [Section 11.12](#), and [Section 11.13](#).

7.7.14. SAVE STEP

Clicking on the 'Save Step' button saves this step. This DOES NOT save the wrapper – only that particular step. A step must be saved



Once the step is saved, a summary of it would appear on that page. This would look something like this:

Step #	Repo	Driver	Keywo...	Argum...	Descri...	Execut...	Run Mode	Iteration Type	Context	Impact	On Error
1	warrior	seleniu... m_driver	verify_... page_b... y_property		Open C... hrome... Browser	Yes	Standar... d	Standar... d	Positive	Impact	Go To + 3

7.7.15. CANCEL STEP

On the other hand, clicking on 'X' discards all the changes made to this step.



7.7.16. EDIT STEP

Clicking on the step lets you edit an already created step.

Step #	Repo	Driver	Keyword	Argum.	Descr.	Execut.	Run Mode	Iteration Type	Context	Impact	On Error
1	warrior	selenide	verify_		Open -	Yes	Stand.	Standard	Positive	Impact	

This opens up the step editor once again and you can make the desired changes.

7.8 CLEANUP STEPS

Setup steps are optional. A new setup step can be added to the wrapper file setup section by clicking the “Add New Step” button.

Step #	Repo	Driver	Keyword	Argum.	Descr.	Execut.	Run Mode	Iteration Type	Context	Impact	On Error
--------	------	--------	---------	--------	--------	---------	----------	----------------	---------	--------	----------

On clicking the “Add New Step” button, a new set of fields drop down for you to be filled. All the newly appeared fields are a part of this new “step”.

Step Number	1
Repo*	
Driver*	
Keyword*	
Description	
Execute	Yes
Run Mode	Standard
Iteration Type	Standard
Context	Positive
Impact	Impact
On Error	Next

7.8.1. STEP NUMBER

This field indicates the step number. This is a prefilled field, but the contents cannot be changed.

Step Number	1
----------------	---

7.8.2. REPO

This field indicates the repo structure, by default, will display as blank and can choose by using the dropdown. This is a **mandatory** field.

Repo*	
-------	--

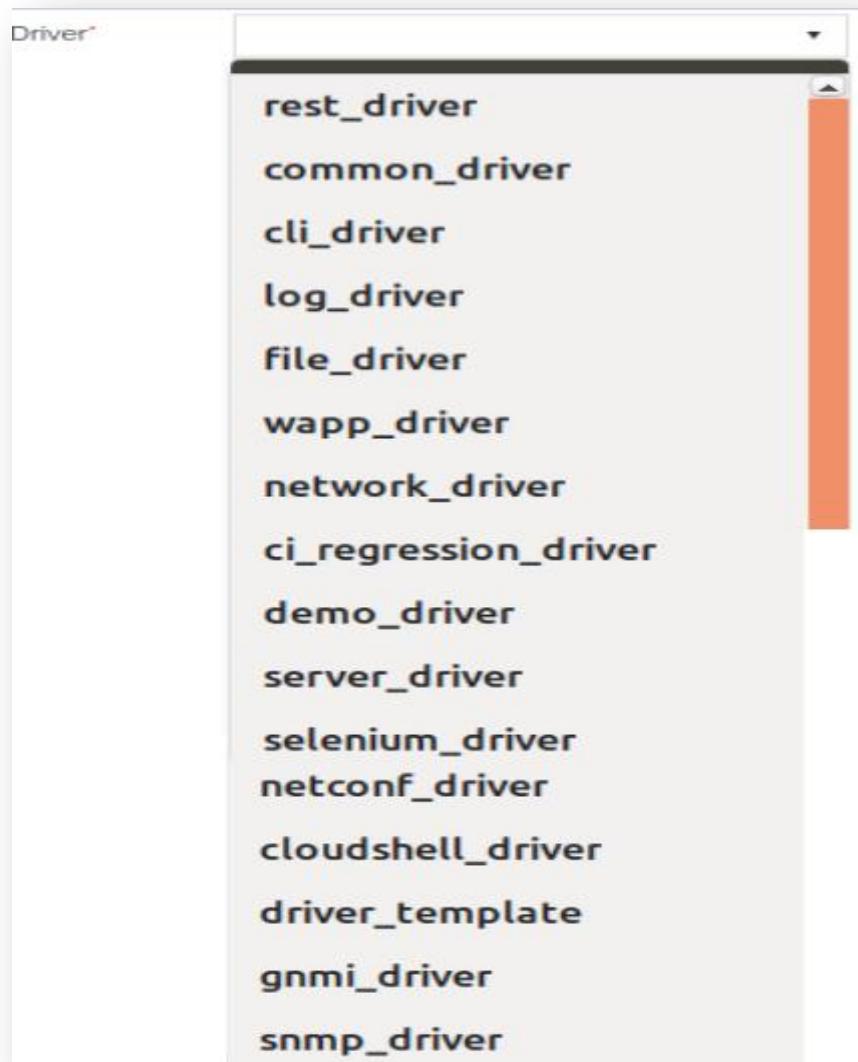
Repo*	<input type="button" value="warrior"/>
-------	--

7.8.3. DRIVER

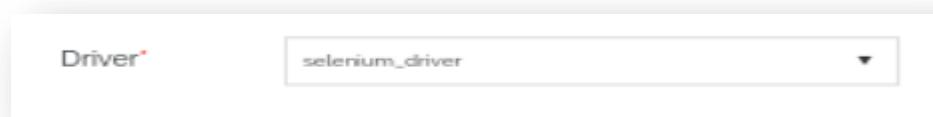
Every step must have an associated driver to it. This is a mandatory field.

Driver*	
---------	--

Katana lets you select a driver by showing all the drivers that you have in your Warrior Framework directory in the dropdown. You can select any driver out of those. You would not be able to select any driver which lies outside of the Product Drivers directory. This is because Warrior enforces a strict directory structure for the Actions and Product Drivers.

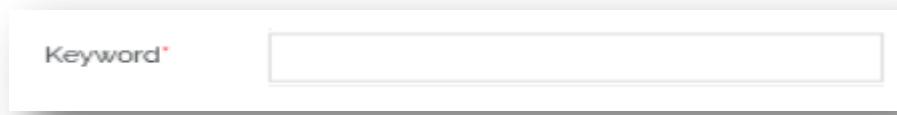


You can then select any driver from that list:



7.8.4. KEYWORDS

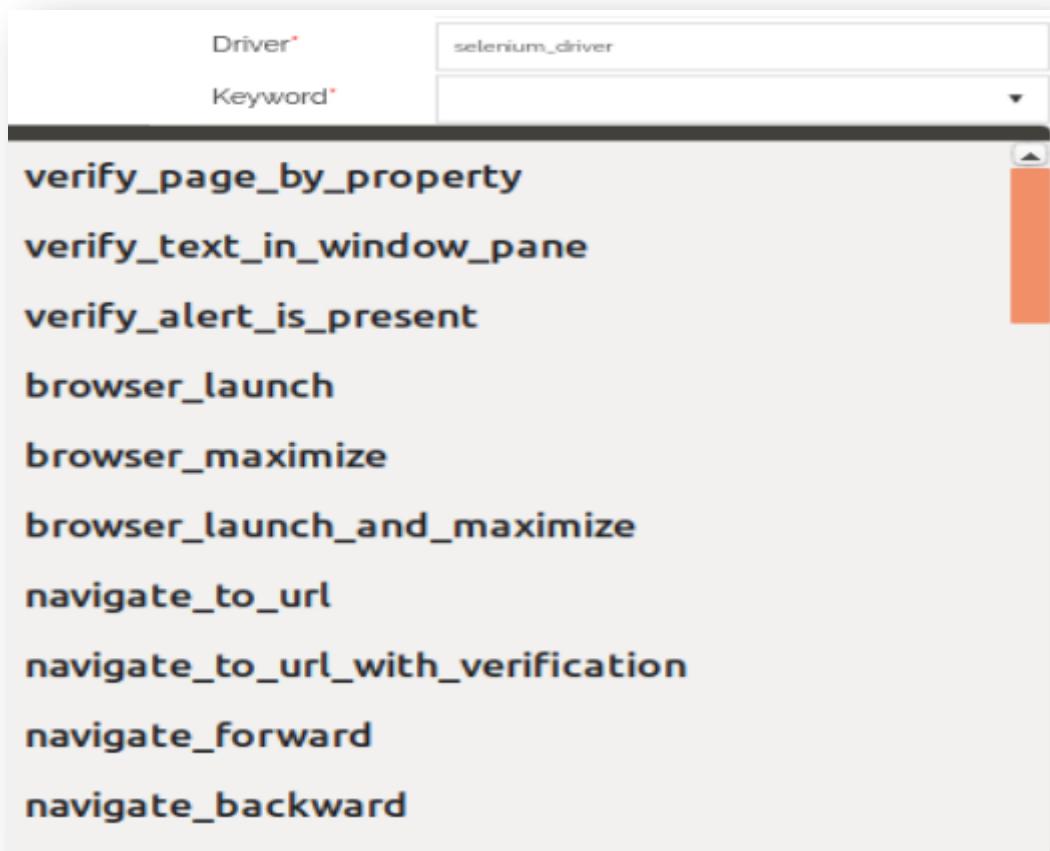
Every step must have an associated keyword to it. This is a mandatory field.



If no driver is selected, no keywords will show up in the dropdown. You have to choose the driver before you can choose the Keyword.



If the driver is chosen, a list of Keywords would show up. You can select any Keyword out of those.



You can then select any keyword that you need.

This space gets populated when a developed keyword is selected. All the arguments accepted by the Keyword show up here. You can type in the values associated with each value against that argument name.

Keyword*	verify_page_by_property												
Signature	verify_page_by_property(self, system_name, expected_value, value_type, browser_name='all', element_config_file=None, element_address=None, element_tag=None)												
Arguments	<table border="1"> <tr><td>system_name</td><td></td></tr> <tr><td>expected_value</td><td></td></tr> <tr><td>value_type</td><td></td></tr> <tr><td>browser_name</td><td></td></tr> <tr><td>element_config_f</td><td></td></tr> <tr><td>element_tag</td><td></td></tr> </table>	system_name		expected_value		value_type		browser_name		element_config_f		element_tag	
system_name													
expected_value													
value_type													
browser_name													
element_config_f													
element_tag													

7.8.5. WDESCRIPTION

This field is populated when the Keyword is chosen. The description is for your reference, so that, you know exactly what this keyword does. This field is a non-editable field.

WDescription	The browser will verify page by lol"format!value_type
--------------	---

7.8.6. COMMENTS

This field also appears prepopulated when a developed Keyword is selected. This is for your benefit, so that you understand what the keyword does when it runs, what kind of arguments it accepts, and what kind of values it returns. 8

Comments	<p>Returns:</p> <ol style="list-style-type: none"> status(bool): True / False.
----------	---

7.8.7. DESCRIPTION

This field is provided to you so that you can add a description of your own for the chosen Keyword. This description would be displayed when this step is run. This is an optional field.

Description	
Description	Open Chrome Browser

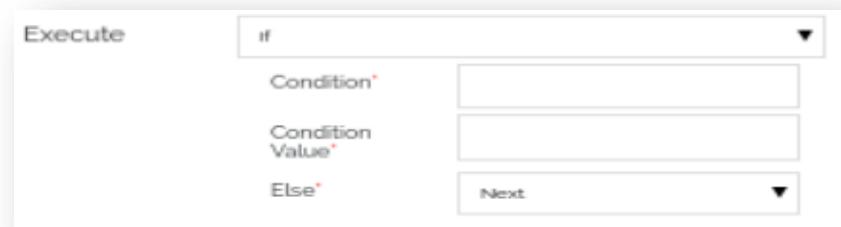
7.8.8. EXECUTE



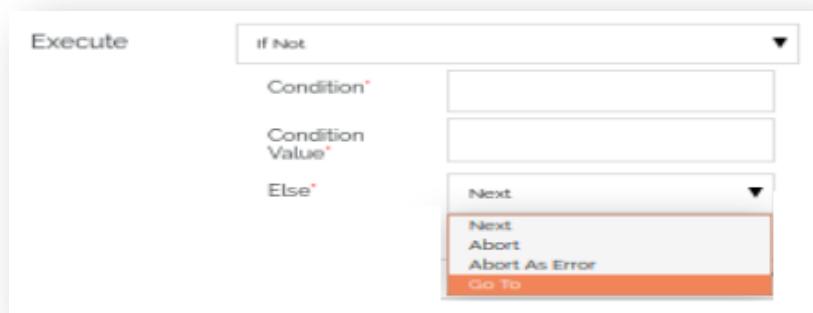
The Execute Type is by default set to 'Yes'. You can change it by clicking on the dropdown. This reveals all the options you have available to you.



On clicking on 'if' and 'If Not', two other input boxes show up that let you add your conditions.



The third input box is a dropdown consisting of the condition that handles the scenario where the condition in 'If'/'If Not' is not met and hence Warrior would need to know what to do in such a case.

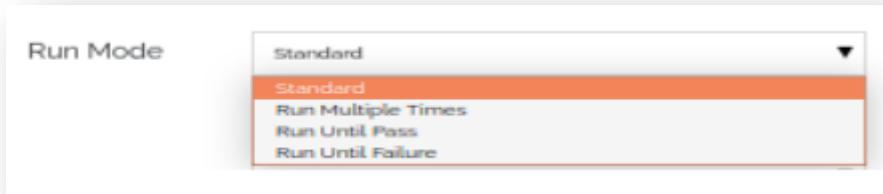


7.8.9. RUN MODE

This field lets you select if you want this keyword to run until pass (RUP), run until failure (RUF), or run multiple times (RMT). This is an optional field.



The Run Mode field is dropdown consisting of values “Run Multiple Times”, “Run Until Pass”, and “Run Until Failure”.



Whenever a value from the dropdown is selected, and new field “Value” pops up that lets you fill in the maximum number of times you want to run this step – if Run Until Pass or Run Until Failure is selected or the number of times you want to run this step if Run Multiple Times is selected.

Run Mode

Run Multiple Times

Value*

You can input the number of times you want this particular step to run here.

Value*

4

To read about how to fully utilize this feature, please refer to **Warrior User Guide: Section 11.2, Section 11.3, Section 11.4, and Section 11.5**.

7.8.10. ITERATION TYPE

This field lets you select the type of iteration. This will come as prefilled and can change if required.

Iteration Type

Standard

7.8.11. CONTEXT

Context

Positive

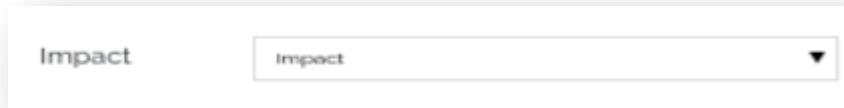
On clicking the dropdown you would be able to select from one of the options presented to you. **The default is 'positive'**.

Context

Positive

Positive
Negative

7.8.12. IMPACT



On clicking the dropdown you would be able to select from one of the options presented to you. **The default is 'impact'**.



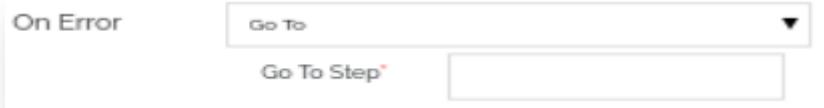
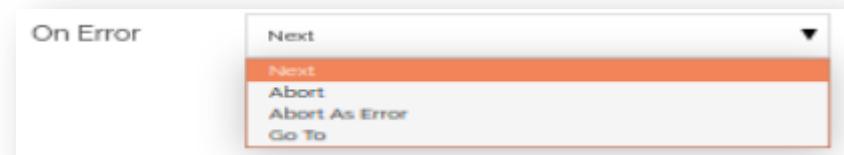
To read about how to fully utilize this feature, please refer to [Warrior User Guide: Section 11.6 and Section 11.7](#).

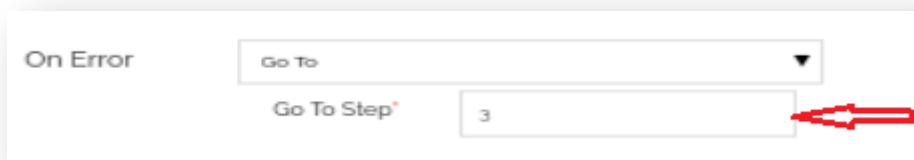
7.8.13. ON ERROR

This tag handles the Error condition. You can click on the dropdown to choose an option. The default is whatever the testwrapper onError value is.



You can click on the dropdown to assign a different error handling for this step.

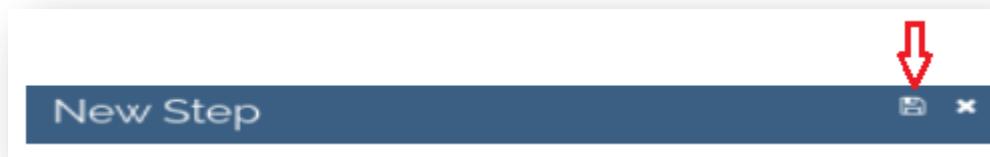




To read about how to fully utilize this feature, please refer to [Warrior User Guide: Section 11.10](#), [Section 11.11](#), [Section 11.12](#), and [Section 11.13](#).

7.8.14. SAVE STEP

Clicking on the 'Save Step' button saves this step. This DOES NOT save the wrapper – only that particular step. A step must be saved



Once the step is saved, a summary of it would appear on that page. This would look something like this:

Step #	Repo	Driver	Keywo...	Argum...	Descri...	Execut...	Run Mode	Iteration Type	Context	Impact	On Error
1	warrior	seleniu... m_driver	verify_... page_b... y_property		Open C... hrome... Browser	Yes	Standar... d	Standar... d	Positive	Impact	Go To + 3

7.8.15. CANCEL STEP

On the other hand, clicking on 'X' discards all the changes made to this step.



7.8.16. EDIT STEP

Clicking on the step lets you edit an already created step.

Step #	Repo	Driver	Keyword	Argum.	Descr.	Execut.	Run Mode	Iteration Type	Context	Impact	On Error
1	warrior	selenide	verify_-		Open -	Yes	Stand..	Standard	Positive	Impact	Next

This opens up the step editor once again and you can make the desired changes.

7.9 DEBUG STEPS

Setup steps are optional. A new setup step can be added to the wrapper file setup section by clicking the “Add New Step” button.

Step #	Repo	Driver	Keyword	Argum.	Descr.	Execut.	Run Mode	Iteration Type	Context	Impact	On Error

On clicking the “Add New Step” button, a new set of fields drop down for you to be filled. All the newly appeared fields are a part of this new “step”.

Step Number	1
Repo*	
Driver*	
Keyword*	
Description	
Execute	Yes
Run Mode	Standard
Iteration Type	Standard
Context	Positive
Impact	Impact
On Error	Next

7.9.1. STEP NUMBER

This field indicates the step number. This is a prefilled field, but the contents cannot be changed.

Step Number	1
----------------	---

7.9.2. REPO

This field indicates the repo structure, by default, will display as blank and can choose by using the dropdown. This is a **mandatory** field.

Repo*	
-------	--

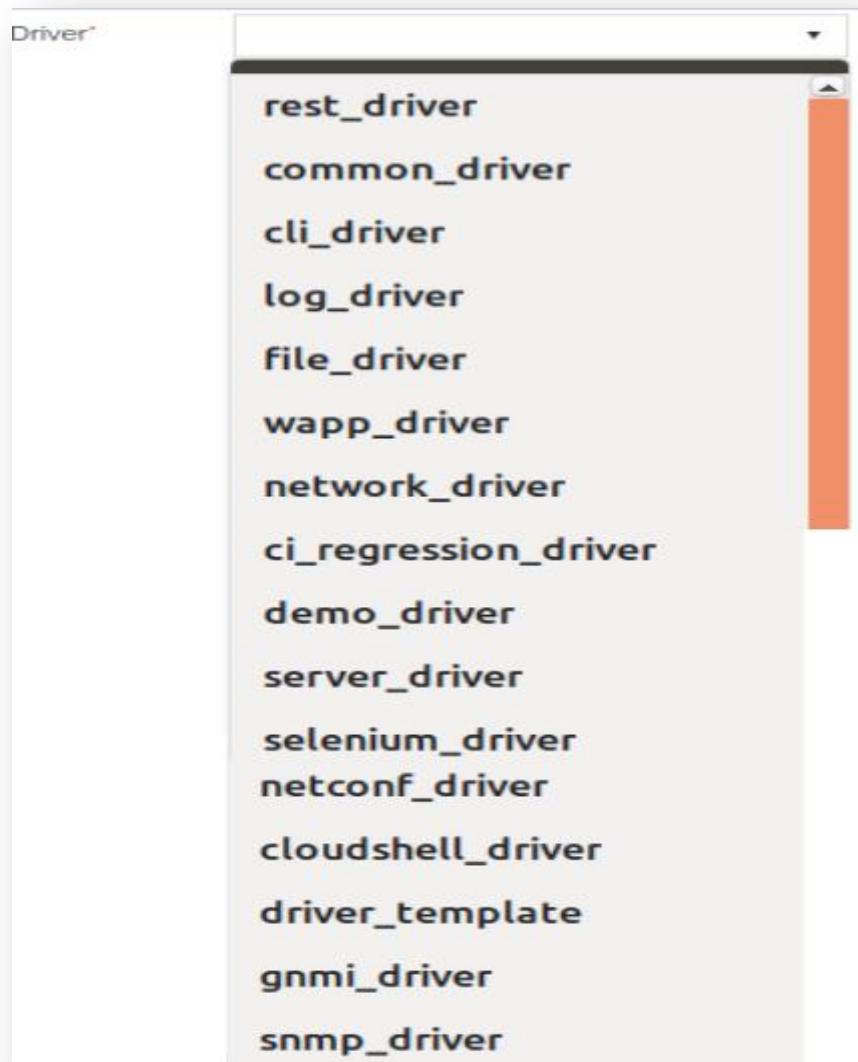
Repo*	<input type="button" value="warrior"/>
-------	--

7.9.3. DRIVER

Every step must have an associated driver to it. This is a mandatory field.

Driver*	
---------	--

Katana lets you select a driver by showing all the drivers that you have in your Warrior Framework directory in the dropdown. You can select any driver out of those. You would not be able to select any driver which lies outside of the Product Drivers directory. This is because Warrior enforces a strict directory structure for the Actions and Product Drivers.

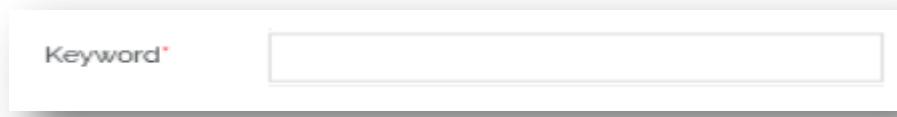


You can then select any driver from that list:



7.9.4. KEYWORDS

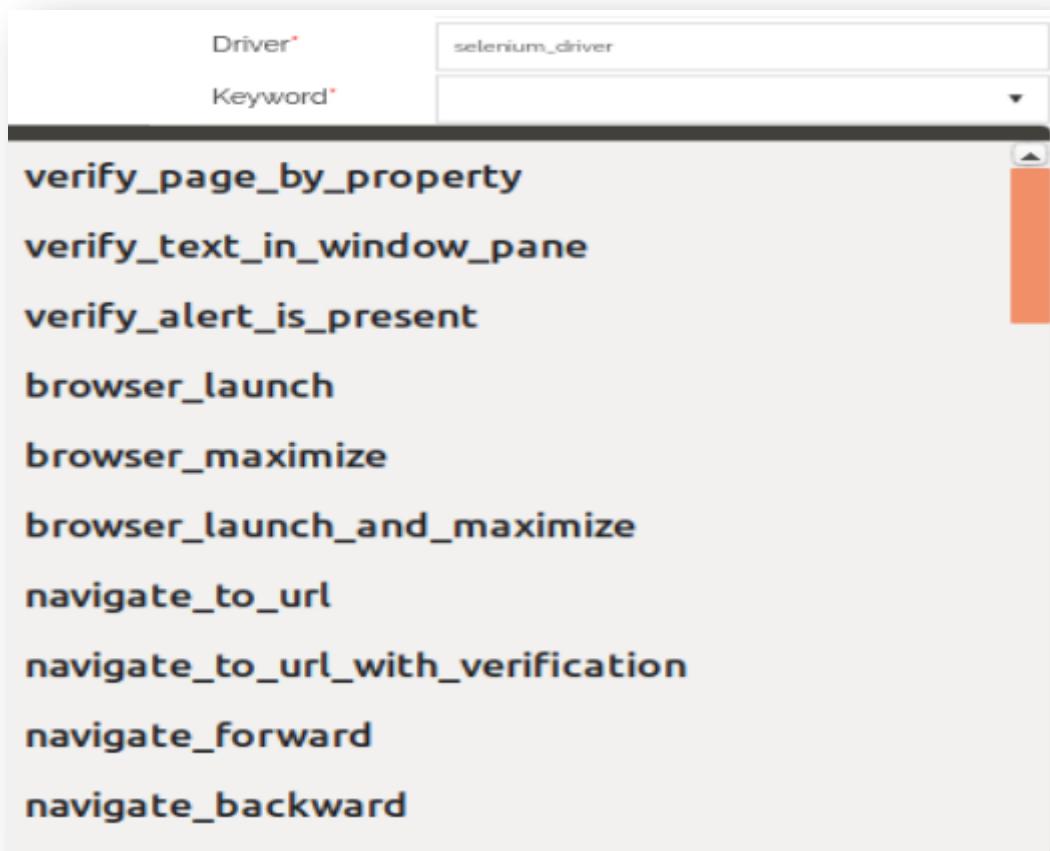
Every step must have an associated keyword to it. This is a mandatory field.



If no driver is selected, no keywords will show up in the dropdown. You have to choose the driver before you can choose the Keyword.



If the driver is chosen, a list of Keywords would show up. You can select any Keyword out of those.



You can then select any keyword that you need.

This space gets populated when a developed keyword is selected. All the arguments accepted by the Keyword show up here. You can type in the values associated with each value against that argument name.

Keyword*	verify_page_by_property												
Signature	verify_page_by_property(self, system_name, expected_value, value_type, browser_name='all', element_config_file=None, element_address=None, element_tag=None)												
Arguments	<table border="1"> <tr><td>system_name</td><td></td></tr> <tr><td>expected_value</td><td></td></tr> <tr><td>value_type</td><td></td></tr> <tr><td>browser_name</td><td></td></tr> <tr><td>element_config_f</td><td></td></tr> <tr><td>element_tag</td><td></td></tr> </table>	system_name		expected_value		value_type		browser_name		element_config_f		element_tag	
system_name													
expected_value													
value_type													
browser_name													
element_config_f													
element_tag													

7.9.5. WDESCRIPTION

This field is populated when the Keyword is chosen. The description is for your reference, so that, you know exactly what this keyword does. This field is a non-editable field.

WDescription	The browser will verify page by lol"format!value_type
--------------	---

7.9.6. COMMENTS

This field also appears prepopulated when a developed Keyword is selected. This is for your benefit, so that you understand what the keyword does when it runs, what kind of arguments it accepts, and what kind of values it returns. 8

Comments	<p>Returns:</p> <ol style="list-style-type: none"> status(bool): True / False.
----------	---

7.9.7. DESCRIPTION

This field is provided to you so that you can add a description of your own for the chosen Keyword. This description would be displayed when this step is run. This is an optional field.

Description	
Description	Open Chrome Browser

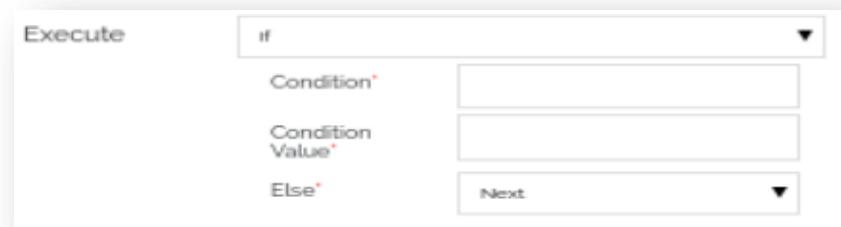
7.9.8. EXECUTE



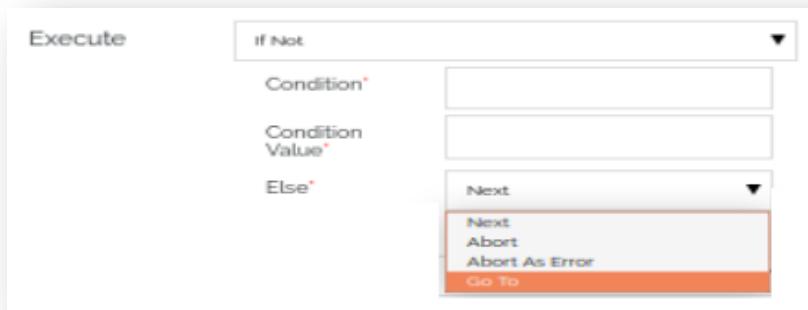
The Execute Type is by default set to 'Yes'. You can change it by clicking on the dropdown. This reveals all the options you have available to you.



On clicking on 'if' and 'If Not', two other input boxes show up that let you add your conditions.



The third input box is a dropdown consisting of the condition that handles the scenario where the condition in 'If'/'If Not' is not met and hence Warrior would need to know what to do in such a case.

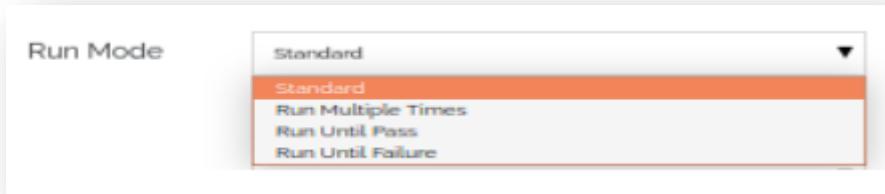


7.9.9. RUN MODE

This field lets you select if you want this keyword to run until pass (RUP), run until failure (RUF), or run multiple times (RMT). This is an optional field.



The Run Mode field is dropdown consisting of values “Run Multiple Times”, “Run Until Pass”, and “Run Until Failure”.



Whenever a value from the dropdown is selected, and new field “Value” pops up that lets you fill in the maximum number of times you want to run this step – if Run Until Pass or Run Until Failure is selected or the number of times you want to run this step if Run Multiple Times is selected.

Run Mode

Run Multiple Times

Value*

You can input the number of times you want this particular step to run here.

Value*

4

To read about how to fully utilize this feature, please refer to **Warrior User Guide: Section 11.2, Section 11.3, Section 11.4, and Section 11.5**.

7.9.10. ITERATION TYPE

This field lets you select the type of iteration. This will come as prefilled and can change if required.

Iteration Type

Standard

7.9.11. CONTEXT

Context

Positive

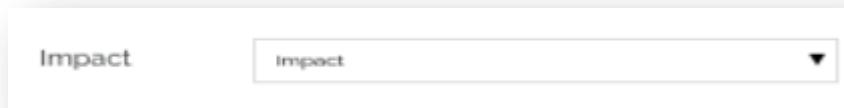
On clicking the dropdown you would be able to select from one of the options presented to you. **The default is 'positive'**.

Context

Positive

Positive
Negative

7.9.12. IMPACT



On clicking the dropdown you would be able to select from one of the options presented to you. **The default is 'impact'**.



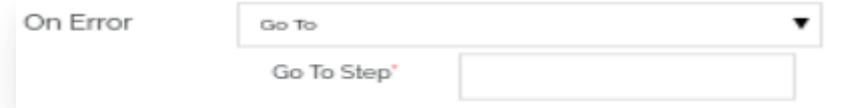
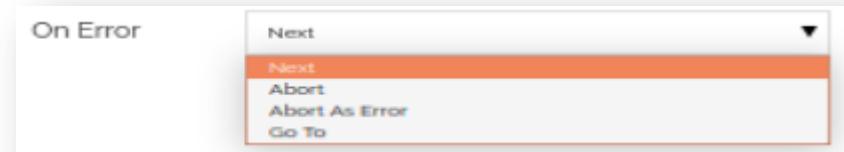
To read about how to fully utilize this feature, please refer to [Warrior User Guide: Section 11.6 and Section 11.7](#).

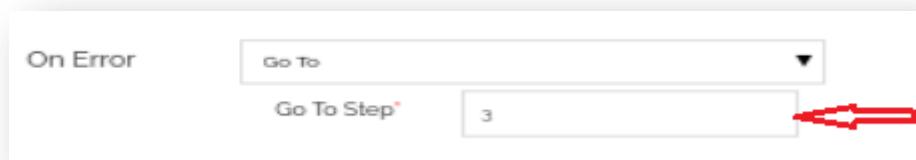
7.9.13. ON ERROR

This tag handles the Error condition. You can click on the dropdown to choose an option. The default is whatever the `onError` value is.



You can click on the dropdown to assign a different error handling for this step.

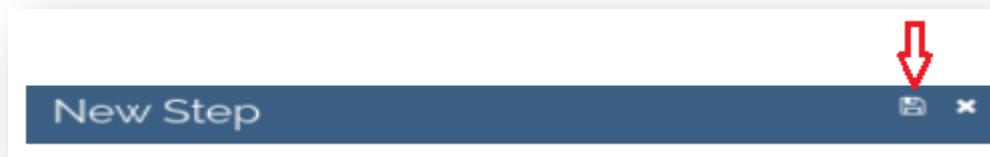




To read about how to fully utilize this feature, please refer to [Warrior User Guide: Section 11.10](#), [Section 11.11](#), [Section 11.12](#), and [Section 11.13](#).

7.9.14. SAVE STEP

Clicking on the 'Save Step' button saves this step. This DOES NOT save the wrapper – only that particular step. A step must be saved



Once the step is saved, a summary of it would appear on that page. This would look something like this:

Step #	Repo	Driver	Keywo...	Argum...	Descri...	Execut...	Run Mode	Iteration Type	Context	Impact	On Error
1	warrior	seleniu... m_driver	verify_... page_b... y_property		Open C... hrome... Browser	Yes	Standar... d	Standar... d	Positive	Impact	Go To + 3

7.9.15. CANCEL STEP

On the other hand, clicking on 'X' discards all the changes made to this step.



7.9.16. EDIT STEP

Clicking on the step lets you edit an already created step.

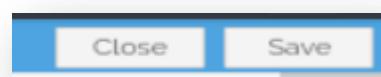
Step #	Repo	Driver	Keywo...	Argum...	Descri...	Execut...	Run Mode	Iteration Type	Context	Impact	On Error
1	warrior	seleni...	verify_...		Open -	Yes	Stand...	Standard	Positive	Impa...	

Select a step to edit it

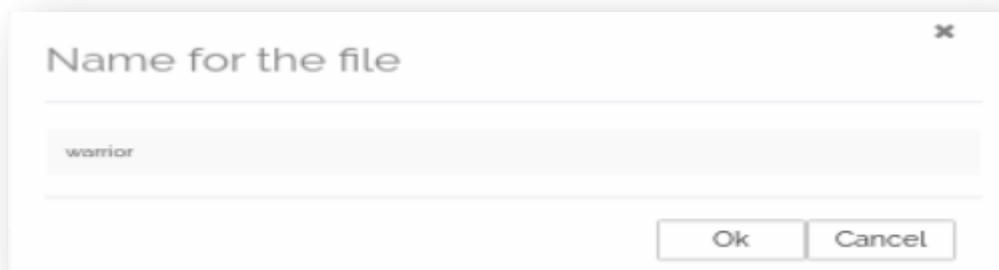
This opens up the step editor once again and you can make the desired changes.

7.10. SAVE WRAPPER FILE

Clicking on ‘Save’ saves the entire wrapper file. If any unsaved step is present when this button is clicked, hat unsaved step will get saved.



On clicking the Save button; a pop message box will open to mention the test wrapper file name as below.



On clicking “Ok” button, Testwrapper file will save.

7.11. CANCEL WRAPPER FILE

Clicking on ‘Close’ discards all the changes performed.



The test wrapper file thus created would look something like this:

Untitled

Name	Welcome	Data Type	Custom
Title	Wrapper_file		
Engineer	Raghavendra		
Date	2020-5-4		
Time	9:40		

★ Setup Steps

Step #	Repo	Driver	Keyword	Arguments	Description	Execute	Run Mode	Iteration Type	Context	Impact	On Error
1	Warrior	selenium_d...	send_keys_...		New	Yes	Standard	Standard	Positive	Impact	Next

★ Cleanup Steps

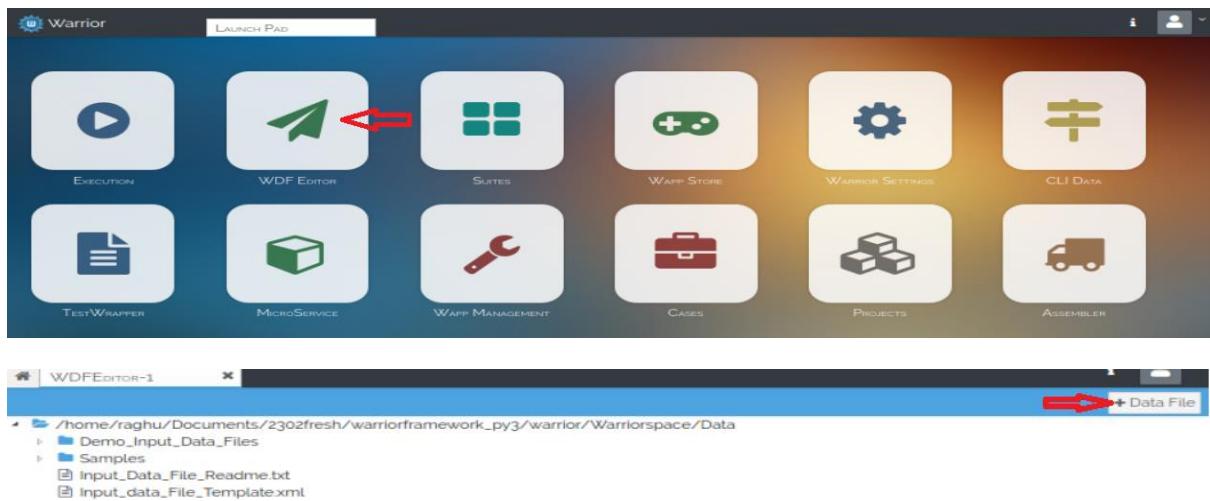
Step #	Repo	Driver	Keyword	Arguments	Description	Execute	Run Mode	Iteration Type	Context	Impact	On Error
1	Warrior	selenium_d...	navigate_to_...		New	Yes	Standard	Standard	Positive	Impact	Next

★ Debug Steps

Step #	Repo	Driver	Keyword	Arguments	Description	Execute	Run Mode	Iteration Type	Context	Impact	On Error
1	Warrior	selenium_d...	get_eleme...		New	Yes	Standard	Standard	Positive	Impact	Next

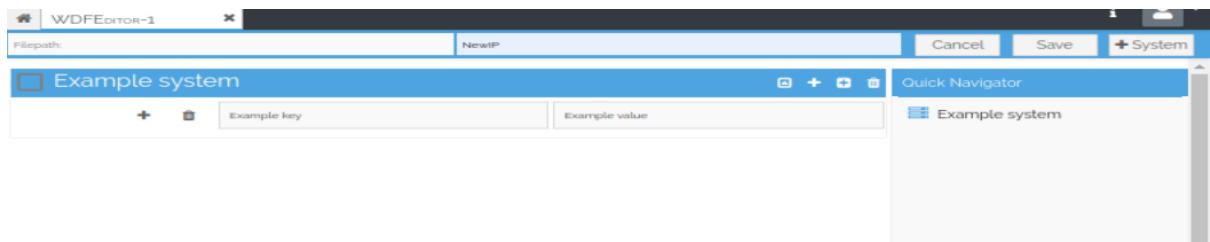
8. CREATING INPUT DATA FILES WITH KATANA

Katana allows you to create Input Data Files through its user interface. You have to start up Katana and go to its WDF Editor app. There, you will see a “+ Data File” button:



Note: The list of input data files below the “+ Data File” button may differ as Katana would show the input data files saved in your Data directory.

On clicking that button, you will be directed to a new page:



8.1. DATAFILE NAME

This field represents the name of the file that you will be creating. Type in a name for the input data file here.

8.2. DESCRIPTION

You can add a description for the data file here.

This is a sample data file

8.3. SYSTEM

You can start creating systems inside this Data file by clicking the “+ SYSTEM” button

8.4. SYSTEM NAME



You can add the name of the system in this New System field



8.5. DEFAULT SYSTEM



You can set any system as the default system by checking the “Default” checkbox.



If no system has been set as default then the first system would be treated as the default.

8.6. CREATE DATA AND SUBSYSTEMS

For any system, you can either create Tags for it or subsystems, but not both.



8.7. CREATING DATA

Clicking on the “Add Data Button” would display input boxes and other options to create the data.



		Data key	Data value
--	--	----------	------------

8.8. Data key

Since, the input data file does not dictate as to which data should be created for each system, you have to add the data names that you want. Immediately, on clicking dropdown, you would be able to view all the data key names that are already available to choose from.

		Data key	Data value
		conn_type	
		ip	
		password	
		prompt	
		ssh_port	
		telnet_port	
		testdata	
		timeout	
		url	
		username	
		variable_config	
		device_name	

If the data key name already exists in that list, you can select it from the dropdown list; or else you can add a data key name that you want. This is a **mandatory** field.

8.8. Data Value

A corresponding value to the data key created above can be added here.

	system			
		username	10	

8.9. ADD A SUB DATA KEY TO DATA KEY

A child data key can be added to each data key created by clicking the “**Sub Data**” button.

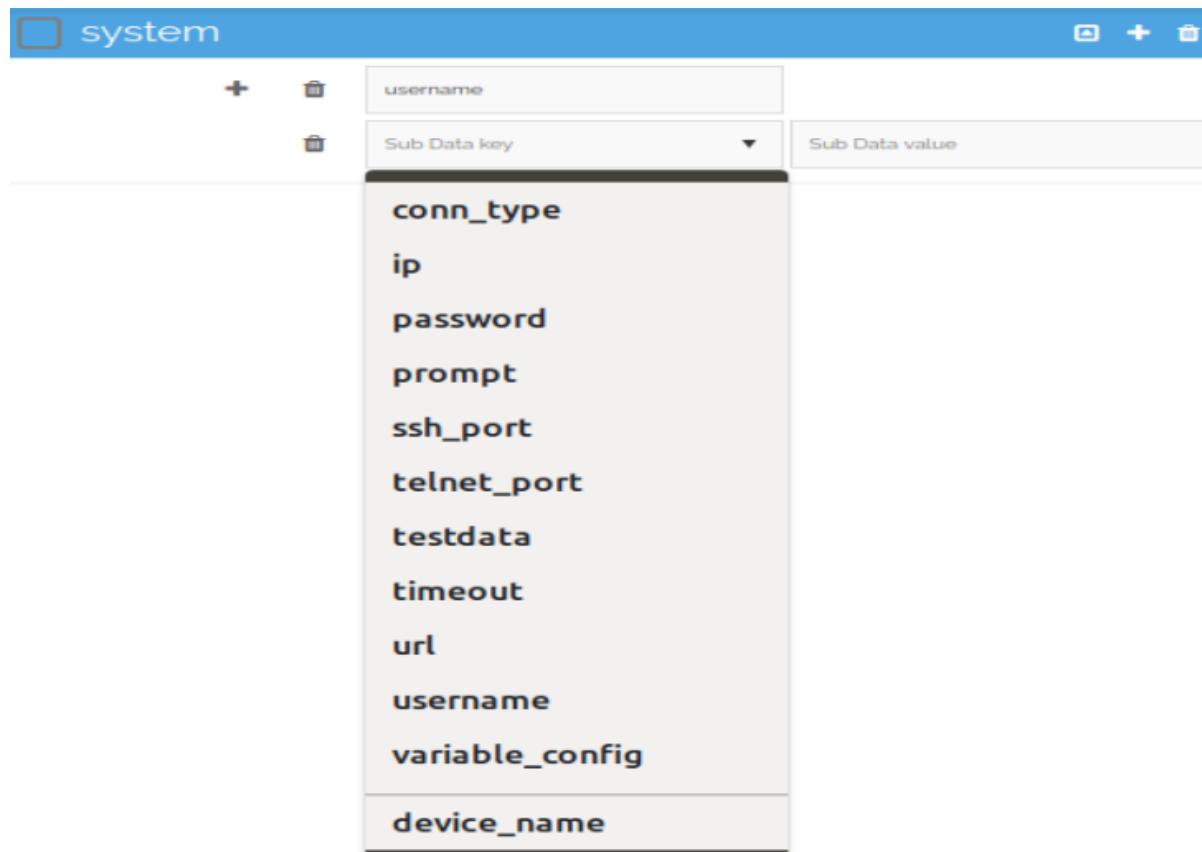


A section will emerge that you let you add a child data key to the data key.



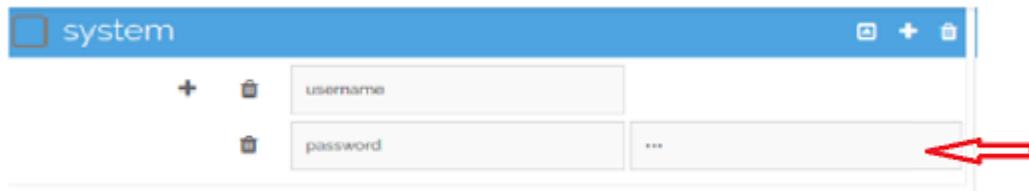
8.10. SUB DATA KEY NAME

Similar to Data key name, you can add a sub data key name. On clicking inside the dropdown input box, you would be able to view all the data key names that are already available to choose from. If the data key name already exists in that list, you can select it from the dropdown list; or else you can add a data key name that you want. This is a mandatory field.



8.11. SUB DATA KEY VALUE

A corresponding value to the sub data key created above can be added here.



8.12. DELETE SUB DATA KEY

You can delete a sub data key by clicking the “Delete” button



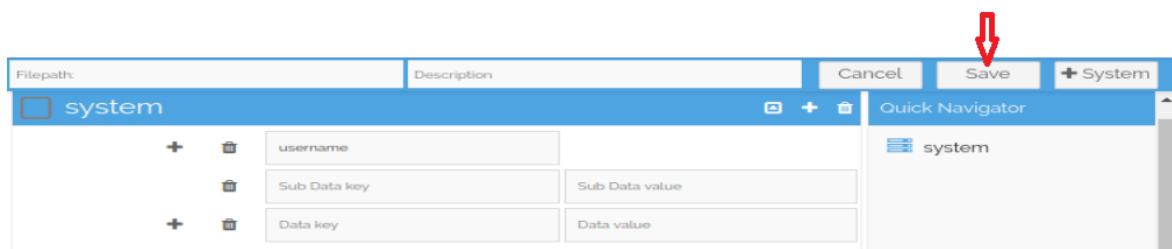
8.13. ADD ANOTHER DATA KEY

Clicking the “+” button lets you create another data key for the same system.



8.14. SAVE SYSTEM

Clicking on Save button, saves the system for you.



8.15. DELETE SYSTEM

You can delete a saved system by clicking on the delete icon next to it.



8.16. ADD SUBSYSTEM

Clicking on the “Add Subsystem” button lets you create subsystems for that System.



8.17. SUBSYSTEM NAME

You can add a name to the subsystem in the “New Subsystem” field. This is a mandatory field.



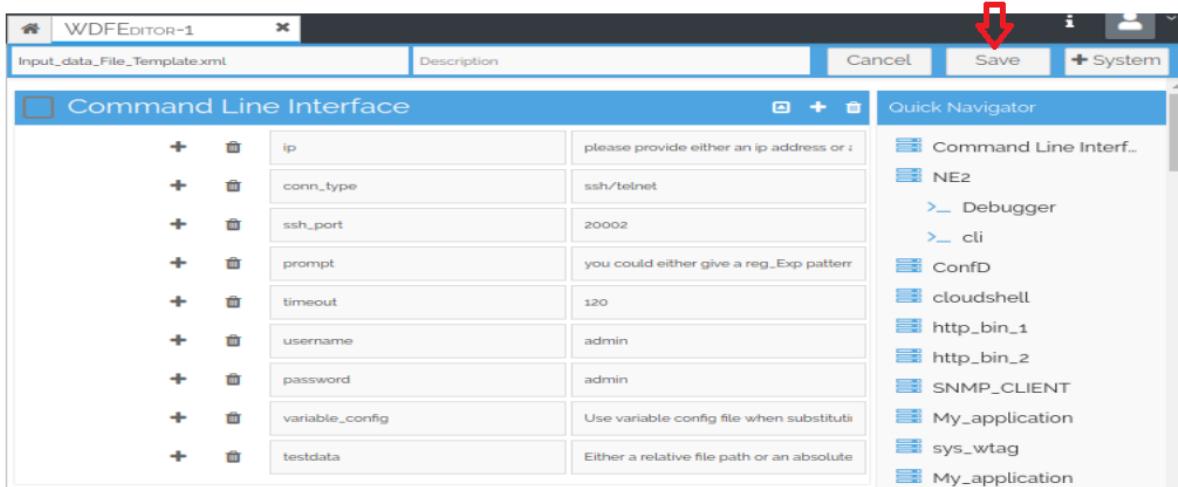
8.18. DELETE SUBSYSTEM

A saved subsystem can be deleted by clicking on the delete icon against it.



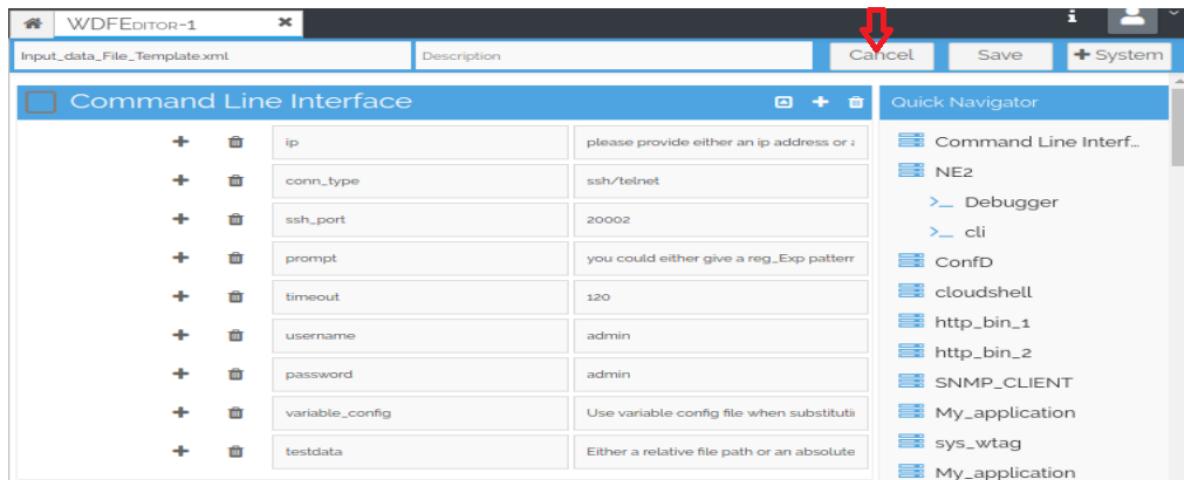
8.19. SAVE DATA FILE

To save the data file, you can click on the “Save” button.

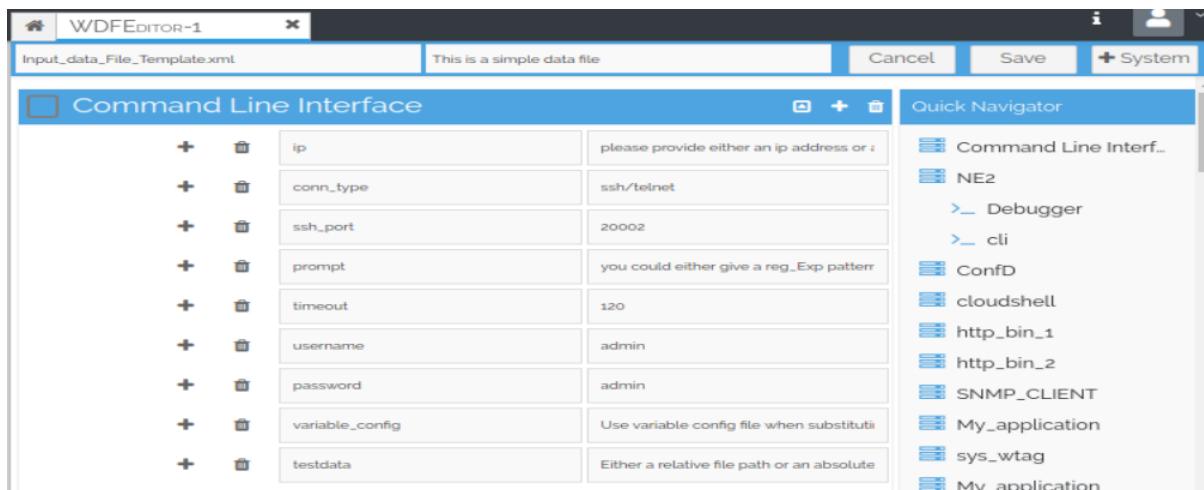


8.20. CANCEL DATA FILE CREATION

To exit data file creation without saving it, click “Cancel”.

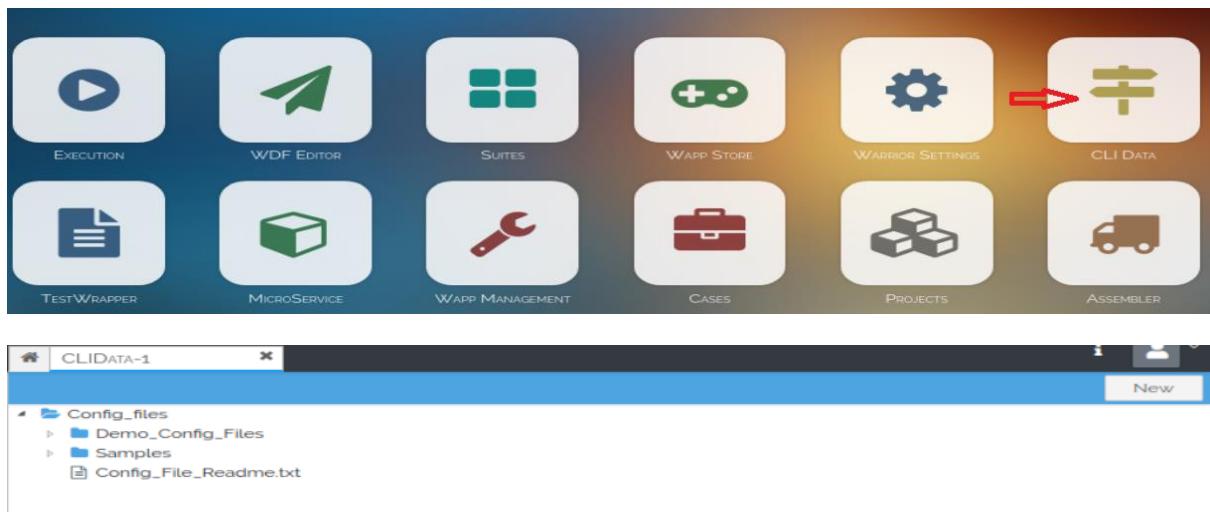


The final Data File thus created looks something like this:



9. THE CLIDATA FILE

Katana allows you to create TestData Files through its user interface. You have to start up Katana and go to its CLIData App. There, you will see a “New” button:



Note: The list of testdata files below the “New” button may differ as Katana would show the input data files saved in your Config_files directory.

On clicking that button, you will be directed to a new page where you will see the following fields.

9.1. GLOBAL SECTION

This is the global section of the testdata file. This section is the ‘default’ section, that is, if some information is not given in the testdata block, that information would be read from this global section.



9.2. GLOBAL SYSTEM

This is the system and/or subsystem on which the command should be executed. Connection to the system/subsystem should have been established earlier.

System

1. system = provide the system name directly

Example: "NE1", "server1"

2. system + subsystem = provide system+subsystem combination, only a single subsystem is supported

Example: "NE1[cli]", sever1["interface1"]

3. subsystem only = to refer only a subsystem provide the subsystem name enclosed by square brackets, In this case the system name provided in the testcase keyword will be used.

Example: [cli], [dip], [interface1]

9.3. GLOBAL SESSION

This is session name of the system or subsystem to connect to.

Session

|

9.4. GLOBAL START

This is starting prompt of the command. The default is ".*". Using the default ignores the check for start prompts. Variable substitution is supported for this parameter.

Start

|

9.5. GLOBAL END

This is ending prompt of the command. The command is considered to have completed successfully if the end prompt is found in the command's response. Variable substitution is supported for this parameter.

End

|

9.6. GLOBAL TIMEOUT

This is the time to wait to receive the end prompt. If a command times out, then the command status will be marked as error. After timeout, Warrior will wait for an additional 60 seconds to receive the end prompt, this is to provide an extra buffer to check if it is an intermittent delay or a long delay. Irrespective of whether or not the end prompt is received during this extra time the command will be marked as error. The default is 60 seconds.

Timeout

60

9.7. GLOBAL SLEEP

This is the time to wait in seconds after completion of a command.

Sleep

0|

9.8. GLOBAL VERIFY

This field takes in the verification tags created in the verification section. If multiple verification are required for a command, provide tag names separated by commas. Example: "v1,v2,v3"

Verify

9.9. GLOBAL RETRY, RETRY TIME, AND RETRY COUNT

When retry is set to "y"(yes), Warrior will retry sending a command if the command fails.

Retry

No



By default, retry is set to "no". You can click on the drop down and change its value to "yes" to reveal the fields for Retry Timer and Retry Count.

Retry

No



Yes

No

Retry

No



Retry Timer

60

Retry Count

5

Retry Timer is the time interval in seconds between subsequent re-trials.

Retry Count is number of attempts to keep on re-sending the command. If during one of the attempts the command passes, re trials will be passed.

9.10. GLOBAL RETRY ONMATCH

This can be a text or a regular expression. If provided and Retry is set to "yes", then re-trials will be attempted only when the response of the command has the provided text/regular expression.

Retry On Match

|

9.11. GLOBAL RESPONSE REQUIRED

This saves the response of the command in the framework's data repository. This feature is always enabled. You can turn it off by clicking on the dropdown and setting its value to "No"

Response Required	Yes	
Response Required	Yes	<div style="background-color: #f0f0f0; padding: 2px;"> Yes Yes No </div>

9.12. GLOBAL RESPONSE PATTERN REQUIRED

This saves only a particular text or regular expression from the response of the command into the framework's data repository.

Response Pattern Required	
---------------------------	--

9.13. GLOBAL RESPONSE REFERENCE

You can provide a reference text for the response of this command. The responses will be saved in the framework's data repository using this text as the key. If you do not provide response reference, then, framework automatically assigns this value based on the position of the command in the testdata section, that is, if the command is the second command in the testdata then resp_ref="2" will be used and so on.

Response Reference	
--------------------	--

9.14 GLOBAL MONITOR

Responses from the system names obtained from this parameter are printed out on the console.

Example: comma separated system names - NE1[cli].session, NE2, [dip] - where NE1, NE2 are the system names, [cli], [dip] are the subsystem names and .session is the session name.

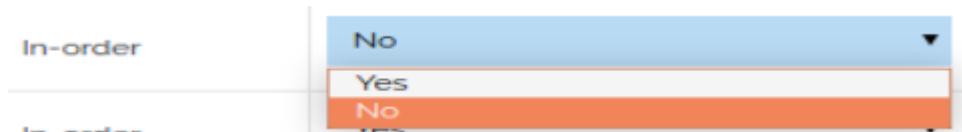
Monitor	
---------	--

9.15. GLOBAL IN-ORDER

When set to "yes", in-order of response will happen.

In-order	No	
----------	----	--

This feature is always disabled. You can turn it on selecting "yes" from the dropdown. If enabled, command passes only when the received response order matches with the order given in the 'verify' tag

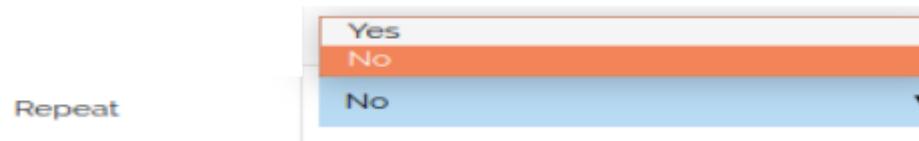


9.16. GLOBAL REPEAT

When iter_type='per_td_block' with repeat='yes', corresponding command in testdata block will be executed in each iteration.



This feature is always disabled, user can turn it on by selecting "yes" from the dropdown and this tag is applicable only for the testdata commands without any iteration pattern in it.



9.17. GLOBAL VERIFICATIONS

These are the global level verification



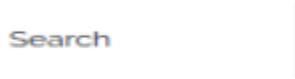
9.18. GLOBAL VERIFICATION NAME

Enter the name here. This is a mandatory field.



9.19. GLOBAL VERIFICATION SEARCH

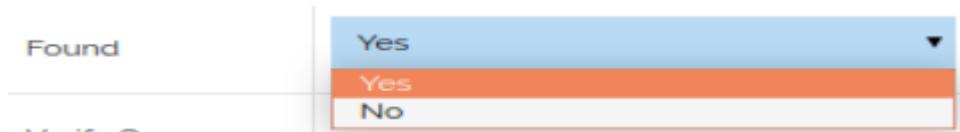
This is the search string that will be searched for in the command response



9.20. GLOBAL VERIFICATION FOUND

"Yes" will search for the presence of the search string the command response. "No" will search for the absence of the search string the command response





9.21. GLOBAL VERIFICATION VERIFY ON

This would contain the systems on which the verification would be performed.

Verify On

9.22 GLOBAL VERIFICATION CONDITION VALUE

This would contain the verification condition value.

Condition Value

9.23 GLOBAL VERIFICATION CONDITION TYPE

This would contain the verification condition type. By default, It would reflect as “String”, can change as per requirement.

Condition Type

String

Condition Type

String

String
Integer
Float

9.24 GLOBAL VERIFICATION OPERATOR

This would contain the verification operator. By default, it would reflect as “Equal To”, can change as per requirement.

Operator

Equal To

Operator

Equal To

Equal To
Not Equal To
Greater Than
Greater Than Or Equal To
Lesser Than
Lesser Than Or Equal To

9.24 GLOBAL VERIFICATION COMBINATION

These are the global level combinations.



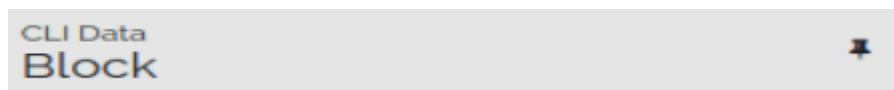
9.25. GLOBAL COMBINATION NAME

You can add the combination name here. This is a mandatory field.

Combination Name	combination
------------------	-------------

9.26 CLI DATA BLOCK

You can add a testdata block by clicking on this CLI Data block:



A form like below will be displayed:

CLI Data Block	
Title	
Row Number	
Execute	Yes
Monitor	
Iteration Type	Per CLI-Data Block

9.26 CLI DATA BLOCK TITLE

This would be the title of the CLI data block

Title	

9.27 CLI DATA BLOCK ROW NUMBER

This would be the row number of the CLI data block

Row Number	

9.28. CLI DATA EXECUTE

This would indicate if this CLI Data block should be executed. The default is “yes”.

Execute	Yes
Execute	Yes
	No

9.29. CLI DATA MONITOR

This is the CLI data block level monitor attribute.

Monitor

9.30 CLI DATA ITERATION TYPE

This is the testdata iteration type. The default is “Per CLI-Data Block”.

Iteration Type	Per CLI-Data Block
Iteration Type	Per CLI-Data Block
	Per CLI-Data Block
	Per Command

9.31 CLI DATA COMMAND

Add a CLI data command by clicking:



A form would display like this.

CLI Data	
Command	
Send	
System	
Session	
Start	:
End	
Timeout	60
Sleep	0
Verify	
Retry	No
Retry Timer	60
Retry Count	5
Retry On Match	
Response Required	Yes
Response Pattern Required	
Response Reference	
Response Keys	
Monitor	
In-order	No
In-order Response Reference	Yes
Repeat	No

9.32. CLI Data SEND

This is the send command for the CLI data block.

Send

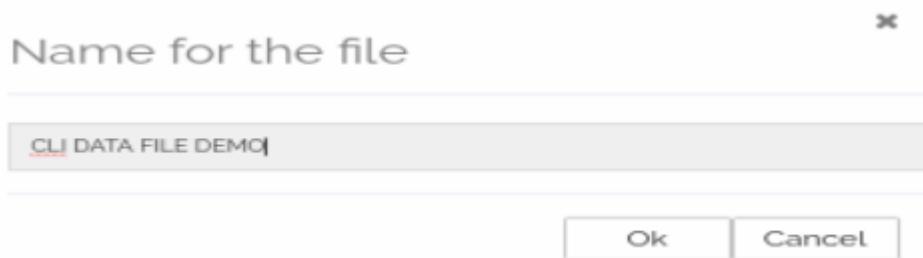
Please refer to the [**global section**](#) for the details for remaining field explanation.

9.33 CLI DATA FILE SAVE

Data file can save by clicking the save button.



After clicking the save button, a pop up message box will open. Provide the file name to save the CLI data file.



Click on "OK" button to save the file.