# **Testing using Cucumber in Ruby/JRuby**

#### Overview

In this tutorial, we will create some tests in Cucumber for Ruby (or JRuby).

The test (specification) is initially created in Jira as a Cucumber Test and afterwards, it is exported using the UI or the REST API.

# Requirements

- · Install Ruby or JRuby
- Install the "cucumber" gem

# Description

After creating a Cucumber Test, of Cucumber Type "Scenario Outline", in Jira, you can export the specification of the test to a Cucumber .feature file via the REST API or the **Export to Cucumber** UI action from within the Test Execution issue.

The created file will be similar to the following:

#### 1\_CALC-889.feature

```
@REQ_CALC-889  

Feature: As a user, I can calculate the sum of 2 numbers
```

@TEST\_CALC-908 @UI @core Scenario Outline: Cucumber Test As a user, I can calculate the sum of 2 numbers

Given I have entered <input\_1> into the calculator
And I have entered <input\_2> into the calculator
When I press <button>

Then the result should be <output> on the screen

#### Examples:

	input_1	input_2	button	output	
	20	30	add	50	
	2	5	add	7	
	0	40	add	40	
	4	50	add	54	

After running the tests and generating the Cucumber JSON report (e.g., data.json), it can be imported to Xray via the REST API or the **Import Execution Results** action within the Test Execution.

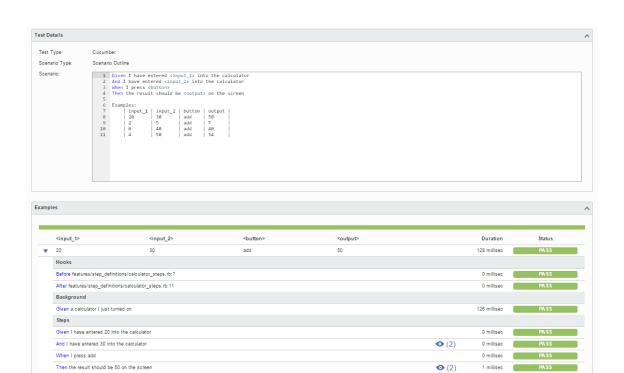
```
cucumber -x -f json -o data.json
```

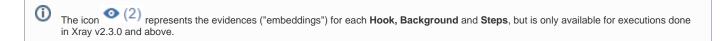
The execution screen details will not only provide information on the test run result, but also of each of the examples provided in the Scenario Outline.



The Cucumber Scenarios Example/Result details (i.e., **Hooks, Backgrounds** and **Steps**) are only available for executions done in Xray v2.2.0 and above.







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(i) Learn more

Please see Testing in BDD with Gherkin based frameworks (e.g. Cucumber) for an overview on how to use Cucumber Tests with Xray.

### References

• https://cucumber.io/docs/reference/ruby

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- Automated Tests (Import/Export)
- Exporting Cucumber Tests REST