

# Xray 2.2.0 Release Notes

9 June 2016

The Xray for JIRA team announces the release of **Xray 2.2.0**. Version 2.2 contains new features as well as bug fixes. Please check the highlights below.

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## Highlights for this release

## Detailed Cucumber execution

Xray now provides high detail on the execution of Cucumber Tests (i.e. Scenario/Scenario Outline), including timing information and per step information.

Besides this, Cucumber Before/After hooks are also presented.

## Per step information

The execution screen of Cucumber Tests (i.e. Scenario/Scenario Outline) now contains information on all steps that were executed, including elapsed time and execution status.

Besides this, all the steps from associated Background(s) that were executed are also enumerated along with respective information.

Examples					
<first>	<operator>	<second>	<result>	Duration	Status
▶ 5.0	+	5.0	10	8 millicsec	PASS
▶ 6	/	3	3	4 millicsec	PASS
▼ 10	*	7.550	75.5	8 millicsec	FAIL
Steps					
before				0 millicsec	PASS
Given a new Calculator object				0 millicsec	PASS
And having keyed 6				0 millicsec	PASS
And having keyed /				0 millicsec	PASS
And having keyed 3				0 millicsec	PASS
And having pressed =				3 millicsec	PASS
Then the display should show 3				1 millicsec	FAIL
<pre>ok 1 - Starting to execute step: the display should show 3 not ok 2 - Calculator display as expected #   Failed test 'Calculator display as expected' #   at features/step_definitions/calculator_steps.pl line 94. #   got: '2' #   expected: '3' 1..2</pre>					
after				0 millicsec	PASS
▶ 3	-	10	-7	1 millicsec	PENDING

## Cucumber hooks

Results		
Context	Duration	Status
▼ -	206 millicsec	PASS
Hooks		
Before Cukes.setUp()	0 millicsec	PASS
After Cukes.tearDown()	0 millicsec	PASS
Background		
Given buy a few cukes	126 millicsec	PASS
Steps		
Given I have 42 cukes in my belly	139 millicsec	PASS
When I wait 1 hour	0 millicsec	PASS
Then my belly should growl	0 millicsec	PASS

Cucumber tests may have before/after hooks; although hooks are more implementation related and not specification related, we also present them since they may give valuable information about the test run.

## Cucumber export based on requirements and Test Plans



Now you can export Cucumber feature files, with your Scenario/Scenario Outline tests, based on the issue keys of requirement or Test Plan issues.

Learn more [here](#).

## Tests List gadget

Now, you can list the Tests and choose exactly how to analyze them as you do in the [Tests project tab](#). This is awesome because you can now use this gadget to see the status of your Tests for the version you want and eventually have several gadgets for showing the results for the different [Test Environments](#) you're running them on.

This new gadget replaces the old way of listing Tests, by using the JIRA's Filter Results gadget and including the TestRunStatus. That approach was a bit limited since the "TestRunStatus" is a calculated field that shows you the latest status of the test for some version depending on some global behavior that you need to configure administratively.

With the Tests List gadget, you have the flexibility of choosing the version and the Test Environment where you want to see the latest status of your tests.

Learn more [here](#).

List of Tests and their status for v3.0			
Key	Summary	Components	Status
<a href="#">CALC-1267</a>	Generic Test As a user, I can calculate the sum of...	UI	FAIL
<a href="#">CALC-1266</a>	Cucumber Test As a user, I can calculate the sum o...		FAIL
<a href="#">CALC-1264</a>	Manual Test As a user, I can calculate the sum of ...		FAIL
<a href="#">CALC-1257</a>	Generic Test As a user, I can calculate the sum of...		PASS
<a href="#">CALC-1256</a>	Cucumber Test As a user, I can calculate the sum o...		PASS
<a href="#">CALC-1254</a>	Manual Test As a user, I can calculate the sum of ...	core	PASS
<a href="#">CALC-1247</a>	Generic Test As a user, I can calculate the sum of...		PASS
<a href="#">CALC-1246</a>	Cucumber Test As a user, I can calculate the sum o...		PASS
<a href="#">CALC-1244</a>	Manual Test As a user, I can calculate the sum of ...		PASS
<a href="#">CALC-1237</a>	Generic Test As a user, I can calculate the sum of...		PASS
Showing 1 to 10 of 125 entries			
First Previous <b>1</b> 2 3 4 5 Next Last			

## Improvements in the integration with Xporter add-on including Test Plans awareness



If you have Xporter add-on you will now be able to build out nice reports in Word/PDF containing information about your **Test Plans**.

Besides it, we have now exposed information about all associated Pre-Conditions to your Tests, since a Test may have more than one Pre-Condition.

Please visit [Xporter Template Store](#) to obtain new and updated templates, under the "Test & QA" section.

## Improvements in the integration with Structure add-on

If you have Structure add-on you will now be able to also see and manage the relation between Tests and Pre-Conditions and Sub Test Executions, besides what was already possible with Xray v2.1 (Test Sets, Test Execution or Test Plans).

If you drag a Test into an issue of those types it will be associated with it. And of course, if you remove a Test from an Pre-Condition/Sub Test Execution issue its association will also be removed.

Learn more [here](#).



## No more automatic reindexes. You decide when to reindex.

The screenshot shows the JIRA admin interface for 'sarch JIRA admin'. The navigation bar includes 'Add-ons', 'User management', 'System', and 'Structure'. The 'Requirement Coverage' section is active, displaying a message: 'This page contains settings about Requirement Coverage. You can configure the Requirement Coverage strategy and specify details about the Requirement Coverage charts.' Below this, there are two notification boxes. The first is a green box with a checkmark icon stating: 'The requirement coverage settings were successfully saved.' The second is a yellow box with a warning icon stating: 'We recommend that you perform a re-index operation due to configuration changes.' A blue tooltip on the right side of the interface reads: 'We recommend that you perform a re-index, as configuration changes were made to 'Xray' by Administrator at 25/May/17 11:02 AM. ? If you have other changes to make, complete them first so that you don't perform multiple re-indexes'.

Changing some settings in Xray administration preferences would automatically trigger a reindex. This could affect users, since a reindex could take a considerable amount of time.

Now the administrator is notified that a reindex should be done and then he decides when it is done, so it does not impact JIRA users.

## Improved Continuous Integration, including a new Maven Plugin

We aim to make the life of developers/testers easier. In parallel to Xray, we are now releasing a new [Maven plugin](#) that can be easily integrated with your existing Java projects.





























Besides it, we will also update the [Jenkins](#) and [Bamboo](#) add-ons in the upcoming days, in order to support the ability of specifying the fixVersion of the Test Execution that is going to be created.

Learn more about the Maven plugin [here](#).



## New Features and Bug Fixes in this release

Key	Summary	T	Created	P	Status
XRAY-1462	As a user, I can see the list of evidences in the execution screen using a carousel		Apr 01, 2017		CLOSED
XRAY-1340	As a user, I can link Tests with Sub-Test Executions using structure		Mar 06, 2017		CLOSED
XRAY-1359	As system, Xray must expose Test Plan related information to Xporter		Mar 12, 2017		CLOSED
XRAY-1358	As a machine, the REST API should return a list of Test Runs based on given parameters		Mar 12, 2017		CLOSED
XRAY-1355	As system, I can export Cucumber tests by specifying requirements or test plan keys in the REST API		Mar 10, 2017		CLOSED
XRAY-1227	As a user, I can use a Tests List gadget		Jan 16, 2017		CLOSED

XRAY-1213	Export multiple Pre-Conditions using Xporter		Jan 09, 2017		<a href="#">CLOSED</a>
XRAY-1168	As system, the detail of Cucumber test results should list all steps		Dec 12, 2016		<a href="#">CLOSED</a>
XRAY-1284	As a user, I can link Tests with Pre-Conditions using structure		Feb 14, 2017		<a href="#">CLOSED</a>
XRAY-1607	As system, I can specify the version whenever importing results using the REST API		Apr 20, 2017		<a href="#">CLOSED</a>
XRAY-681	As a user, I can create pre conditions from a test which is directly associated		Nov 26, 2015		<a href="#">CLOSED</a>
XRAY-1712	changing test environment several times in the coverage chart produces inconsistent results		May 25, 2017		<a href="#">CLOSED</a>
XRAY-1710	In the Test Plan Report, there is an error in the success rate by environments percent value		May 25, 2017		<a href="#">CLOSED</a>
XRAY-1694	requirements() JQL function does not return the expected results as seen on requirement coverage charts/gadgets		May 19, 2017		<a href="#">CLOSED</a>
XRAY-1688	Error in Pre Condition section in a Test when the test type is null		May 19, 2017		<a href="#">CLOSED</a>
XRAY-1679	Unable to import some of standard JIRA fields with Test Case Importer		May 18, 2017		<a href="#">CLOSED</a>
XRAY-1629	Version value is not propagated to Test execution		Apr 27, 2017		<a href="#">CLOSED</a>
XRAY-1623	When searching for testRunStatus using jql the value is incorrect		Apr 26, 2017		<a href="#">CLOSED</a>
XRAY-1620	Importer creates duplicate custom fields		Apr 25, 2017		<a href="#">CLOSED</a>
XRAY-1618	Graphical discrepancy		Apr 24, 2017		<a href="#">CLOSED</a>

20 issues