Xray 2.0.0 Release Notes

7 November 2016

The Xray for JIRA team announces the release of **Xray 2.0.0**. Version 2.0 is a step forward in Test Management!

We listened to your feedback and we have improved many aspects of Xray. And more is coming in the future.

This new major version brings also new concepts and many enhancements besides the usual bug fixes.

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Download the latest version

Upgrading to Xray 2.0.0

> ⚠ **Re-indexing JIRA**
>
> After installing version 2.0.0 of Xray for JIRA, a **re-index** operation of your JIRA instance is required. This is because some Xray custom fields need to be indexed in order to be searchable.

> ⓘ **New Xray issue type icons**
>
> Version 2.0.0 of Xray brings new icons to it's issue types. You may need to restart JIRA in order for the icons to be applied.

> ⓘ **Breaking Changes**
>
> The "**Requirement Status**" custom field may no longer be available on existing Agile boards, and gadgets. This was due to a change in the custom field type. You'll need to configure the board cards and gadgets to the custom field again

Highlights for this release

Test Plans

Until now you had to organize your tests in Test Sets. And that makes all sense.

But one thing is **organizing** the tests, by grouping them, and another thing is **planning** tests for a given release.

With Xray 2.0 we've introduced the Test Plan, so you can create and manage your tests effectively. Assign one, or more, Test Plans to a given release and track progress of the tests within each Test Plan.

You can even see the requirement coverage taking into account the Test Plan tests.

You can now easily create Test Executions for the failing tests, or other, from within a Test Plan.

Calculator / CALC-111

Release 2.0 - complex calculator operations

| ✏ Edit | 💬 Comment | Assign | More ▾ | | Start Progress | Resolve Issue | Close Issue | | Admin ▾ |

➕ **Create Test Execution** ▾   ➕ **Add** ▾

Overall Execution Status

2 PASS   **1** FAIL

TOTAL TESTS: 3

FILTERS

Test Set	Assignee	Status	Component	Search
All ▾	All ▾	All ▾		Contains text ✖ Clear

Show 10 entries   Columns ▾

	Key	Summary	Requirements	#Test Executions	Issue Assignee	Latest Status	
▶	CALC-44	Square root of integers	CALC-33	1	Administrator	PASS	•••
▼	CALC-16	Multiple Operations		1	Administrator	FAIL	•••

	Key	Summary	Environment	Status		
	CALC-112	Test Execution for Test Plan CALC-111	None	FAIL	▶	•••

	Key	Summary	Requirements	#Test Executions	Issue Assignee	Latest Status	
▶	CALC-12	Multiply two numbers	CALC-13	1	Administrator	PASS	•••

Showing 1 to 3 of 3 entries   First   Previous   1   Next   Last

Executions for multiple Test Environments

	CALC-16	Multiple Operations	3	FAIL	...

	Key	Summary	Environment	Status		
	CALC-113	[Safari] Release 2.0 - bmpc	Safari	PASS	▶	...
	CALC-112	[Chrome] Release 2.0 - bmpc	Chrome	FAIL	▶	...
	CALC-114	[Firefox] Release 2.0 - bmpc	Firefox	PASS	▶	...

The Test status was calculated by looking at the test's last execution. But this does not work well if you execute the same test in two different devices and you want the status to be like a "merge" of the two results.

Within a Test Execution you can now specify the Test Environment(s) where the tests will be executed. A Test Environment is similar to a label, but Xray provides some special logic to deal with it. Let's say that you have executions for three Test Environments: "Chrome", "Safari" and "Firefox". The test is considered as PASS only if the latest executions for Chrome, Safari and Firefox are all PASS; it will be FAIL if any of them has failed.

Learn more here.

Multiple Pre-Conditions

Xray supports, since day one, Pre-Conditions as a way to define initial conditions that should be met before executing a Test. This is very useful whenever you have to start by doing exactly the same thing in your tests. But sometimes you have to do several things (e.g. restore DB, authenticate) before your Test steps.

Each of those things may be used independently (e.g. some Test may require just to restore the DB, another may require just to authenticate, and others may require that both things, or even more, need to be done before starting executing the steps). Now you can assign multiple Pre-Conditions to a given Test.

Pre-Conditions

<div align="right">

Associate Pre-Conditions

</div>

Show [10] entries   Search [   ]

		Key	Summary	
⠿	1	CALC-6	Initialize Calculator	Set the calculator mode to advanced
⠿	2	CALC-115	Set calculator mode to "Advanced"	

Showing 1 to 2 of 2 entries   First   Previous   **1**   Next   Last

Redesigned execution page

Test As a user, I can calculate the sum of 2 numbers

▲ Return to Test Execution   Next ▶

Test Issue Links (1) ⌃

tests   DEMO-1   As a user, I can calculate the sum of 2 numbers   ↑   OPEN

Test Steps (4) ⌃

1	**Step**	**Data**	**Expected Result**
	Press 1		1

Comment 💬 ⊕ | Defects ⓘ (0) ⊕ | Evidences 👁 (0) ⊕   Step State ▮ PASS ⇄ ▮ ▮ ▮

2	**Step**	**Data**	**Expected Result**
	Press +		1

Comment 💬 ⊕ | Defects ⓘ (0) ⊕ | Evidences 👁 (0) ⊕   Step State ▮ EXECUTING ⇄ ▮ ▮ ▮

3	**Step**	**Data**	**Expected Result**
	Press 2		2

The execution page had a major facelift!

Our aim was to improve the overall user experience.

Since testers spend most of their time executing tests, we analyzed the process and made it more obvious and pleasant to work with.

You may notice that the "inputs" and the "output/results" of the test are now horizontally grouped. Besides that, the step status now reflects itself on the color of the step.

Agile Enhancements

From within the Agile board or in the backlog you can see the requirement status, so you're always in control.

In the Agile board, you can also see requirement's related executions, using Sub Test Executions.

Learn more here.

A Sub Test Execution has exactly the same functionalities as the Test Execution issue type. The difference between them is that the Sub Test Execution is a <u>sub-task</u> and can be created in a requirement's context.

Besides the direct visibility on the Agile board, creating a Test Execution as a sub-task of the requirement issue will provide the user the ability to better track time estimates.

Learn more here.

Custom Manual Test Step Statuses

ATLASSIAN MARKETPLACE
Find new add-ons
Manage add-ons

XRAY FOR JIRA
Global Preferences
Custom Field Preferences
Issue Type Mapping
Requirement Coverage
Requirement Projects
Manage Test Statuses
Manage Test Step Statuses

Test Step Statuses
Manage custom Test Step statuses for Xray

Name	Description	Color	Test Status	Operations
PASS	The test step has passed	🟩	PASS	
TODO	The test step has not started	⬜	TODO	
EXECUTING	The test step is currently being executed	🟨	EXECUTING	
FAIL	The test step has failed	🟥	FAIL	
SKIP	The test has been skipped	🟪	PASS	Edit Delete

Create

Although we already supported custom test statuses, Xray now adds the ability of defining custom step statuses and their mapping to the Test status, giving you more configuration flexibility.

Learn more here.

Improved REST API

We have improved the traceability in the REST API in order to make it easier to correlate and navigate between entities.

As an example you can now easily obtain the Test Sets or Test Executions related with a given Test... or you can obtain the Test and Test Execution related with a given Test Run.

Of course, we've added specific endpoints for Test Plans.

And, in between, we have updated the whole REST API with more examples.

Learn more here.

Revamped Documentation

The documentation was completely reviewed, reorganized and is now more extensive and detailed in many areas. We have added many diagrams to make things clearer.

Some pages worth giving a look include the whole Testing with Xray, Project Organization Use Cases, Test Process, Terms and Concepts, Examples of Reports Built with Xporter, Examples of custom gadgets, FAQ, just to name a few.

We invite you to explore Xray's complete documentation starting with the Xray Documentation Home page.

And much more...

UX & UI	Administration	Other

- Ability to associate tests to existing Pre-Condition(s) in the Test creation dialog
- Create Tests, and Sub Test Executions, directly from the requirement issue screen
- Execute tests in and change status in bulk for multiple tests
- New Test Coverage section in the requirement issue screen, with list of tests and their status
- Filter by requirement's Resolution in requirement coverage panel
- Ability to configure columns both in the Test Runs panel inside the Test issue screen and also in the Tests panel inside the Test Set issue screen
- Completely revamped execution screen, more consistent, clearer and user friendly

- Ability to transition Test Execution status accordingly with the results of its tests
- Ignore requirements in coverage charts based on requirement's specific label(s)
- Ability to define a project as a "requirements project"

- CSV export improvements (e.g. list of tests related with test executions, list of pre-conditions related with tests)
- JQL functions to support Test Plan and more
- Translations for French and Spanish

New Features and Bug Fixes in this release

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
XRAY-1038	Translate Xray to Spanish	✓	Oct 09, 2016	Nov 07, 2016		Bruno Conde	Diamantino Campos	≫	CLOSED	Fixed
XRAY-999	Translate Xray to French	✓	Sep 01, 2016	Nov 07, 2016		Bruno Conde	Diamantino Campos	≫	CLOSED	Fixed
XRAY-926	As a user, I can filter Test Execution issues by Test Environment on the Test Executions project page	🔖	Jul 11, 2016	Nov 07, 2016		Pedro Rodrigues	Bruno Conde	≫	CLOSED	Fixed
XRAY-925	As system, I calculate the status of Tests, Test Sets and Requirements based on all Test Environments	🔖	Jul 11, 2016	Nov 07, 2016		Pedro Rodrigues	Bruno Conde	≫	CLOSED	Fixed
XRAY-921	As a user, I can see the Environments column on the Test Plans table	🔖	Jul 08, 2016	Nov 07, 2016		Pedro Rodrigues	Bruno Conde	≫	CLOSED	Fixed
XRAY-920	As a user, I can see the environments on the execution screen	🔖	Jul 08, 2016	Nov 07, 2016		Pedro Rodrigues	Bruno Conde	≫	CLOSED	Fixed
XRAY-919	As a user, I can define environments for a given Test Execution	🔖	Jul 08, 2016	Nov 07, 2016		Pedro Rodrigues	Bruno Conde	≫	CLOSED	Fixed
XRAY-916	As a user, I can export Test Execution issues to CSV with all associated Test issues	🔖	Jul 05, 2016	Nov 07, 2016		Unassigned	Bruno Conde	≫	CLOSED	Fixed
XRAY-915	As a user, I can export Test issues to CSV with all associated Pre-Condition issues	🔖	Jul 05, 2016	Nov 07, 2016		Pedro Rodrigues	Bruno Conde	≫	CLOSED	Fixed
XRAY-906	As a user, I can choose "None" on the "Group By" field for Requirement Coverage charts	🔖	Jun 23, 2016	Nov 07, 2016		Pedro Rodrigues	Bruno Conde	≫	CLOSED	Fixed
XRAY-905	As system, I provide an option to allow users to force the export of cucumber tests to always be a compressed zip file	🔖	Jun 21, 2016	Nov 07, 2016		Pedro Rodrigues	Bruno Conde	≫	CLOSED	Fixed

XRAY-892	As a user, I can prevent Tests with a given workflow status from being executed		Jun 14, 2016	Nov 07, 2016	Pedro Rodrigues	Diamantino Campos		CLOSED	Fixed
XRAY-889	As a user, I can associate a new Test with existing Pre-Conditions from the create issue screen		Jun 08, 2016	Nov 07, 2016	Unassigned	Bruno Conde		CLOSED	Fixed
XRAY-888	As a user, I can associate a new precondition with existing Test issues from the create issue screen		Jun 08, 2016	Nov 07, 2016	Unassigned	Bruno Conde		CLOSED	Fixed
XRAY-885	As a user, I can see the number of issues in Test Sets and Test Executions status bars		Jun 08, 2016	Nov 07, 2016	Pedro Rodrigues	Bruno Conde		CLOSED	Fixed
XRAY-863	As a user, I can see a custom field for counting the number of Test issues within a Test Set		May 18, 2016	Jun 12, 2017	Pedro Rodrigues	Bruno Conde		CLOSED	Fixed
XRAY-857	As system, I provide a parameter for test run status in JQL function "execWithTestRunsAssignedToUser"		May 16, 2016	Jan 05, 2017	Pedro Rodrigues	Bruno Conde		CLOSED	Fixed
XRAY-1046	As a user, I can perform integrity check tasks in Xray		Oct 19, 2016	Nov 07, 2016	Pedro Rodrigues	Bruno Conde		CLOSED	Fixed
XRAY-1053	As a machine, the REST API should return the status of a given test step of a testrun		Oct 24, 2016	Nov 07, 2016	Sergio Freire	Sergio Freire		CLOSED	Fixed
XRAY-1052	As a machine, the REST API should return the Test Sets, Test Executions and Test Plans associated to a test		Oct 24, 2016	Nov 07, 2016	Andre Rodrigues [X]	Sergio Freire		CLOSED	Fixed

Showing 20 out of 126 issues