Xray 3.6.0 Release Notes

15 January 2019

The Xray team is proud to announce the release of **Xray 3.6.0**.

The main goal for this version is to improve the Requirement issue web panel by providing a full data table with pagination, search and sort capabilities.

Also, now there is a dedicated "Actual Results" field on the manual Test Step results. The actual **results field** also supports embedding images.

Another useful feature can be found on the Test Plan issue. Users can now use the new filter component with the ability to use any Jira field for filtering, as well as JQL.

As part of our continuous improvement, more performance enhancements have also been included in this version.

Discover the key features below. 🙂

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Upgrade Notes

Upgrading Xray to 3.6.x

If you are upgrading from a version lower than 3.2, this implies that an upgrade task will run to pre-calculate historical data. This action is a one time action and it will run in the background so that Xray is still available during the upgrade. A **re-index** operation of your Jira instance is required so that the internal data becomes searchable and usable by Xray.

> ⚠ Please be aware that this upgrade task will run immediately after updating Xray. As this operation can take some time and use a considerable amount of server resources, we suggest scheduling the upgrade of Xray outside of business hours. It is always possible to cancel the recalculation operation in the Xray configuration section Custom Fields Maintenance.

If you are upgrading from v3.2.x or v3.3.x to v3.6, you must recalculate data in the Xray configuration section Custom Fields. This recalculation is necessary because of the huge improvement in the amount of data that Xray needs to add to the table and to the Lucene indexes.

> ⚠ As this operation can take some time and use a considerable amount of server resources, we suggest scheduling the upgrade of Xray and the recalculation of the custom fields, outside of business hours.

Downgrading from Xray 3.6.x

Downgrading from Xray 3.6.x to a version less than 3.2.0 implies that you must perform a re-index afterward. This is because from Xray 3.2.0 onwards, the content and format of what Xray indexes, has changed.

Historical Coverage Gadget

Some configuration parameters for this gadget were modified as a result of supporting multiple projects whenever using a saved filter as a source. It is possible that some users will get errors on the gadget after downgrading from 3.6.x. If this happens, please edit the configuration to ensure the gadget is configured properly.

Release highlights

Test Coverage data table enhancements

You can now use a full-featured data table to better analyze the Test Coverage of a requirement issue. This data table provides:

- pagination
- filtering
- sorting

Other useful features have also been added in this view:

- **Deleting Test links directly from the data table**. The bulk delete operation is also available.
- **Creating Test (or Test Set) links using the Xray issue picker dialogue**. This dialogue provides improved search capabilities for Tests and Test Sets.
- **Checking the latest Test Runs affecting the status for each Test**. You can now pinpoint the exact executions that are being considered for the Test Status and consequently the Test Coverage for a Requirement.

Learn more about the new Test Coverage data table here.

∨ Test Coverage

| Create Test | Create Sub-Test Execution | + Link ∨ |

TEST COVERAGE FOR THE FOLLOWING ANALYSIS SCOPE

Scope: Version; **Version:** 1.0; **Environment:** All Environments ▾ | OK |

≡ Component: Search

Show 10 ⇅ entries   Columns ▾

	P	Status	Resolution	Key	Summary	Component/s	Test Runs	Test Status
☐	○	OPEN	*Unresolved*	BOOK-26	Test a visitor can do a valid search with a single keyword	Search	≡0	PASS
☐	○	OPEN	*Unresolved*	BOOK-27	Test a visitor can do a valid search with multiple keywords	Search	≡0	PASS
☐	○	OPEN	*Unresolved*	BOOK-28	Test a visitor can filter the search result	Search	≡0	PASS

Showing 1 to 3 of 3 entries   First   Previous   1   Next   Last
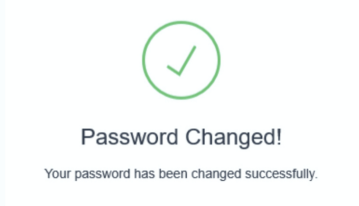
New "Actual Results" Field on Test Steps

2	**Step**	**Data**	**Expected Result**
	Fill the password fields with data	Current Password: passw0rd New Password: p4ssw0rd Confirm New Password: p4ssw0rd	Error: "Current password is incorrect"

Actual Result ⌄   Comment 💬 ⊕   Defects ⓘ (0) ⊕   Evidence 👁 (0) ⊕   Step State ▮ **PASS**   ⇄ ▮ ▮ ▮ ▮

3	**Step**	**Data**	**Expected Result**
	Close error message and fill again the password fields with data	Current Password: P4ssw0rd New Password: password Confirm New Password: password	Error: "New password is too simple"

Actual Result

The new password was accepted and changed. No error message was thrown!

Password Changed!

Your password has been changed successfully.

Actual Result ⌃   Comment 💬 ⊕   Defects ⓘ (0) ⊕   Evidence 👁 (1) ⊕   Step State ▮ **FAIL**   ⇄ ▮ ▮ ▮ ▮

You can now set the "Actual Results" when executing Test Steps.

This field supports the Jira Text Formatting Notation. You can also reference attachments/images from the evidence available on the Test Run using the markup notation.

Learn more about this feature here .

Improved filtering on Test Plans

Filtering Tests within a Test Plan issue has improved. It is now possible to use any issue field (native or custom fields) on basic searches and use JQL directly.

The filter values (and JQL) are also saved in user preferences so that users do not lose context when navigating between issues and reports.

Learn more about this feature here.

≡ Test Plan Board		+ Create Test Execution ⌄	+ Add ⌄

Overall Execution Status

14 PASS   **2** FAIL

Total Tests: 16

≡ Filter(s)

Basic Advanced	

More ⌄

Folder

All	▼

☐ All descendants

Test Set	**Latest Status**
⬛ BOOK-29 - Account Tests ▼	▼

Component	**Test Environments**
Authentication × ▼	▼

Assignee	**Contains text**
▼	

Clear		**Apply**	Cancel

Show 10 entries   All Environments ⌄   Columns ⌄

	Issue Assignee	Status	Risk Score	Latest Status	
	Petr Rodriguez	OPEN	L1 - Negligible	PASS	...
	Ruy Rodriguez	OPEN	L3 - Moderate	PASS	...
	Petr Rodriguez	OPEN	L3 - Moderate	PASS	...
	Bruno Conde	OPEN	L2 - Minor	PASS	...
	Bruno Conde	OPEN	L3 - Moderate	PASS	...
	Ruy Rodriguez	OPEN	L5 - Catastrophic	PASS	...
	Petr Rodriguez	OPEN	L4 - Major	PASS	...
23 their shopping basket BOOK-8, BOOK-9 1	Ruy Rodriguez	OPEN	L5 - Catastrophic	FAIL	...
BOOK- Test visitors can navigate to					

Performance improvements

As part of our effort for continuous performance improvements, we have enhanced the loading time of the Requirement issue's Test Coverage web panel. We have also improved the load time of the Test Repository folder.

Improving performance is an ongoing effort for us, so you can expect additional enhancements to come ahead.

Please take a look at the resources, Usage tips to improve performance, containing setup and "best practices" for optimizing Xray performance.

Just one more, yet important, thing...

Documentation is always important and sometimes you may miss it. We added a set of relevant articles to our already extensive documentation.

In this release, you may find some additional tutorials for test automation frameworks along with some information for taking advantage of additional applications that can integrate with Xray.

We've also updated Working with Test Environments page substantially, to clarify benefits, usage, and recommendations related to Test Environments.

Here's a sum-up of all the relevant articles that we've added:

- **Integrations**
  - Integration with Concourse
  - Integration with Automation for Jira
- **Tutorials with automation frameworks**
  - Testing infrastructure using Chef InSpec
  - Testing web applications using Gwen and Selenium
  - Testing iOS apps using XCTest in Swift
  - Testing the UI of iOS apps using XCTest and XCUITest in Swift
  - Testing Android apps using Espresso in Java or Kotlin
  - Testing using Selenium WebDriver and Gauge in Java

New Features and Bug Fixes in this release

Key	Summary	T	Created	P	Status	Resolution
XRAY-4416	As system, Xray displays an error when attaching files with no filenames with the same error message as Atlassian's causing confusion - please change it for clarity reasons	+	Aug 29, 2019		SHIPPED	Done
XRAY-2944	As system, whenever Cucumber tests are exported, Test Plan keys should be added as tags in the generated feature file	+	Jul 17, 2018		SHIPPED	Done
XRAY-2468	As a user, I can see the Test Plan summary in the Test Plan Board	+	Feb 14, 2018		SHIPPED	Done
XRAY-2276	Test Coverage Section should show "latest run" link to see which TestRun is causing the status	+	Nov 28, 2017		SHIPPED	Done
XRAY-2246	As system, the selected fields in the Test Coverage panel of requirement issues should be saved in the user preferences	+	Nov 16, 2017		SHIPPED	Done
XRAY-2683	As a user I can view the results of the Test Run Summary as percentage	+	Apr 12, 2018		SHIPPED	Done
XRAY-1693	Show unreleased versions first on versions list under Requirement Test Coverage section	+	May 19, 2017		SHIPPED	Done
XRAY-1341	Filtering coverage table	+	Mar 06, 2017		SHIPPED	Done
XRAY-1319	As a user, I can set the "Actual Results" on Test Step results	+	Feb 22, 2017		SHIPPED	Done
XRAY-1233	As a user, I can order the Tests table on the requirement coverage section	+	Jan 18, 2017		SHIPPED	Done
XRAY-4664	Use the Generic Filters component for filtering Tests within a Test Plan	+	Nov 04, 2019		SHIPPED	Done
XRAY-4503	The Test Coverage web panel must feature a datatable with pagination	+	Sep 25, 2019		SHIPPED	Done
XRAY-4707	As a user, I can search Tests or Test Sets to link to a Requirement using the Xray issue picker dialog	+	Nov 19, 2019		SHIPPED	Done
XRAY-4964	R360 S6	O	Jan 23, 2020	»	CLOSED	Done
XRAY-3137	Rounding of percentages in the Execution Status Bar	↑	Aug 29, 2018	»	RESOLVED	Done
XRAY-4865	Error while retrieving data from Test Runs report if the instance contains invalid Test Runs	◉	Jan 06, 2020	»	CLOSED	Done
XRAY-4585	In Jira 8.4.2, cannot set a Test Status as Final	◉	Oct 17, 2019	»	CLOSED	Done
XRAY-4538	With separation of concerns unchecked, Requirement inherits status from the linked Test	◉	Oct 08, 2019	»	CLOSED	Not a Problem
XRAY-4484	Permission for "Browse Projects" is not taken into account by the REST API	◉	Sep 23, 2019	»	CLOSED	Done

| XRAY-4391 | Tests are not being removed from the Test Plan | 🔴 | Aug 21, 2019 | ⟫ | CLOSED | Done |

Showing 20 out of 25 issues