Xray 3.3.0 Release Notes

14 January 2019

The Xray team is proud to announce the release of **Xray 3.3.0**.

The main feature of this version is the ability to easily migrate Xray related information from one JIRA instance to another; you may use Jira's backup&restore facilities to fully restore a project, including testing related data. Besides this, we also include a built-in Zephyr migration utility, so you can start taking advantage of Xray right-away.

Users using Structure will love the new enhancements available in the Xray extender, which now will also include the ability to manage the relation between Test Plans and Test Executions.

We know that the Traceability Report is important and quite useful to you; thus we added quick coverage status based filtering and also the ability to see all requirements at same level, as we had on earlier releases.

As part of our continuous improvement, more performance improvements landed in this version, for the most intensive gadgets/reports and JQL functions.

Discover the key features below 🙂

- Upgrading to Xray 3.3.0
  - Move data/restore projects between Jira instances
  - Built-in Zephyr for Jira migration utility
  - Enhanced existing gadgets with time based filtering and more
  - Enhanced Structure Extender
  - Flat presentation and coverage filters on the Traceability Report
  - Performance improvements
- And more...
  - New Features and Bug Fixes in this release

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Upgrading to Xray 3.3.0

After installing version 3.3.0 of Xray, **if you upgrade 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 upgrade. A **re-index** operation of your Jira instance is required so that the internal data becomes searchable and usable by Xray.

If you upgrade from v3.2.x to v3.3.y, you must recalculate data in Xray configuration section Custom Fields. This recalculation is necessary because of a huge improvement in the amount of data that Xray need to add to the table and to Lucene indexes.

Downgrading from Xray 3.3.x

Downgrading from Xray 3.3.x to a version less than 3.2.0 implies that you must perform a re-index afterwards. This is because from Xray 3.2.0 onwards, the content and format of what Xray indexes has changed.

Release highlights

Move data/restore projects between Jira instances

For restoring projects, Jira offers the built-in "Project Import" tool which allows partial, project imports (i.e. importing a specific project from a previous backup).

This tool has some limitations though; it cannot transfer apps/add-ons related data between instances unless apps are prepared for it.

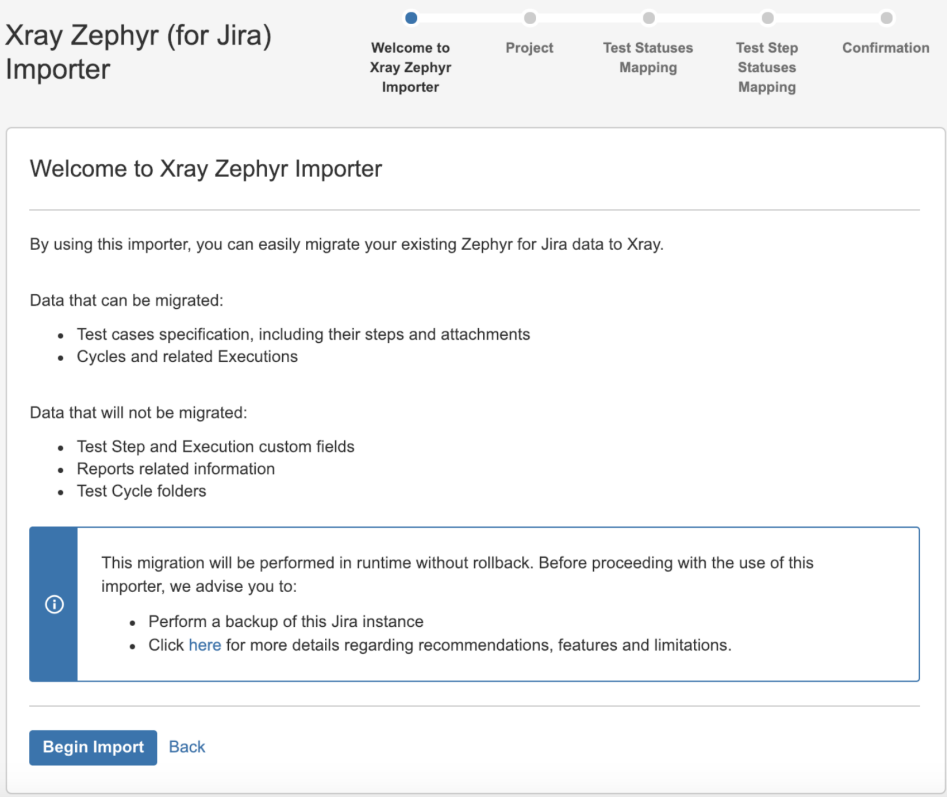
Fortunately, since v3.3, Xray is able of taking advantage of this mechanism; on previous versions, issues would be restored but the testing data wouldn't.

Thus, you can now use built-in backup&restore facilities of Jira:

- for copying a project from one Jira instance to another Jira instance (e.g. from staging to production, or from internal to a DMZ instance)
- to restore a project upon some mistake/data loss has been done in that project within an existing Jira instance

Learn more here.

Built-in Zephyr for Jira migration utility



Xray now provides a built-in migration utility for Zephyr for Jira, so you can easily migrate to Xray and take advantage of the many features Xray provides over Zephyr.

As you may still have some projects using Zephyr for Jira, you may now inline migrate the Tests and related data to Xray following a wizard.

This specific utility is available in Jira administration, under **System > Import and Export > External System Export**.

Learn more here.

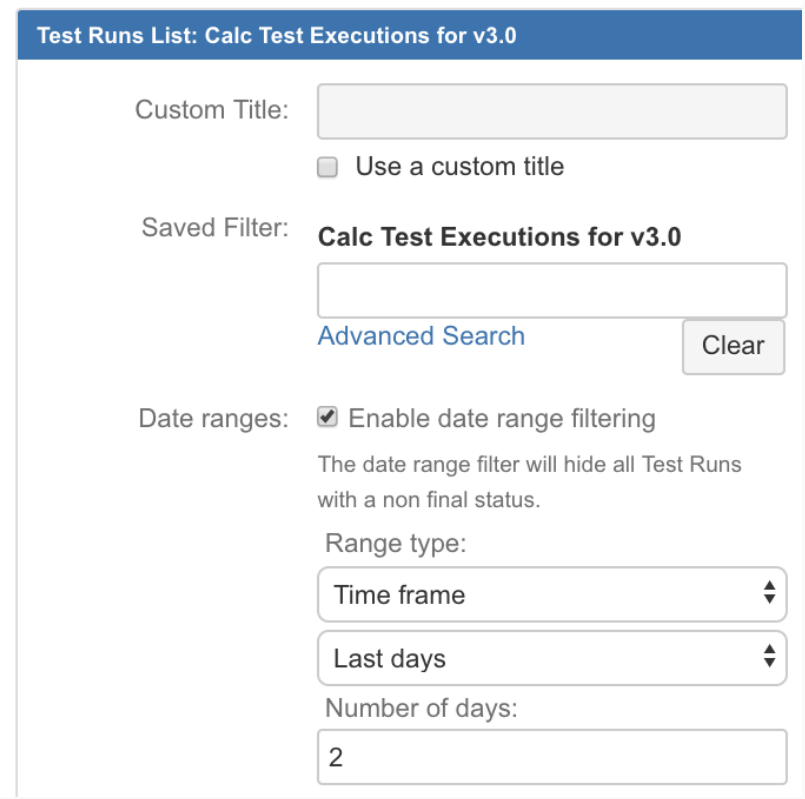
Enhanced existing gadgets with time based filtering and more

Besides adding time based filters to the Test Runs Summary gadget, now you can also group Test Runs by Test (key).

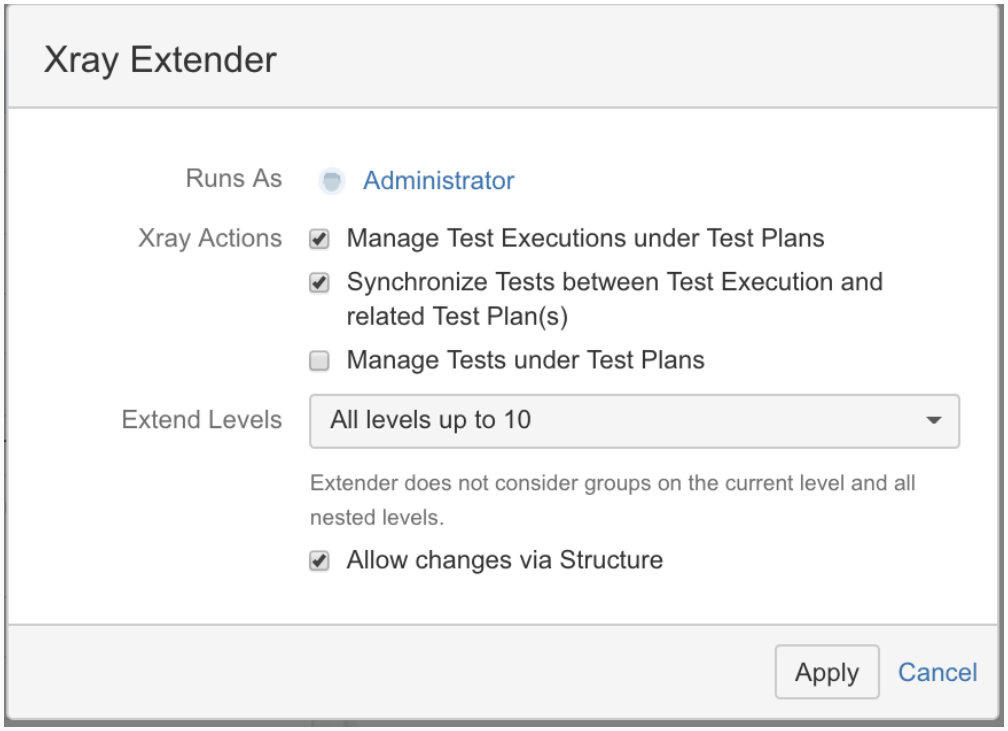
The Test Evolution, Test Runs List, Test Runs Summary gadgets were all improved so that you may see results for the last X number of days.

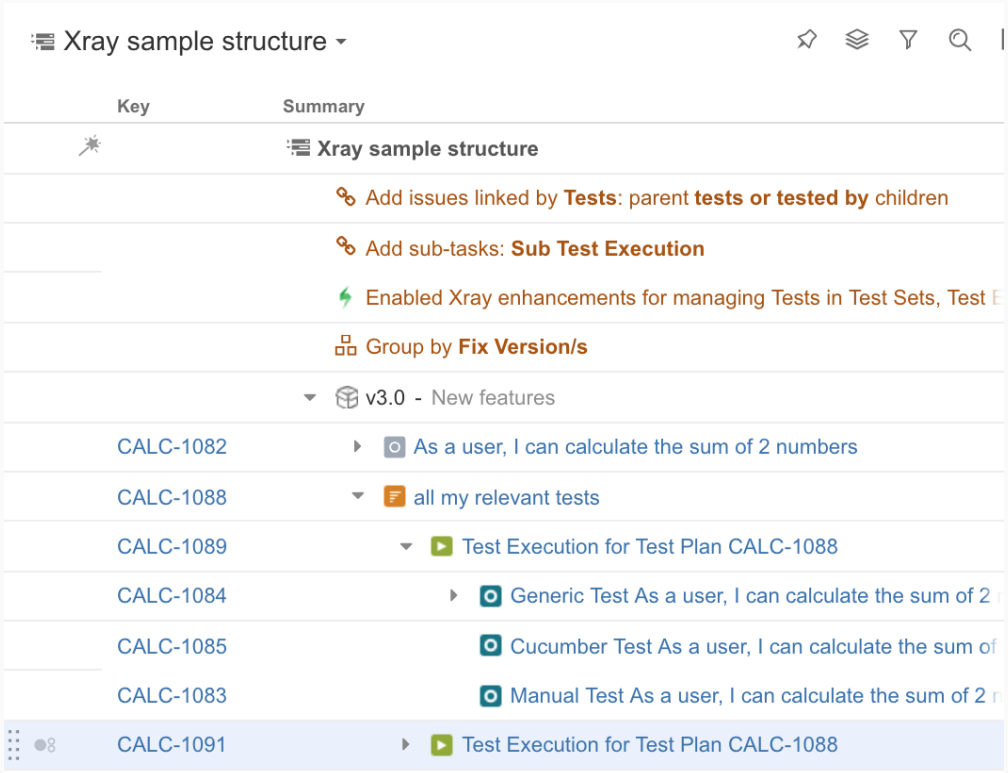
This will allow you to see and assess only the most recent information based on the information of the past days.

Learn more about these and all other gadgets here.



Enhanced Structure Extender





If you're using Structure app to view and manage Xray related entities right from a "structure", the enhanced Xray extender now provides the ability to:

- see and manage associations between Test Plans and Test Executions
- choose to synchronize Tests to Test Plans whenever adding/removing Tests from the related Test Executions (e.g. if you add a Test to Test Execution, it can automatically be added to the related Test Plan(s))
- choose whether to manage or not Tests directly under Test Plans

Learn more here.

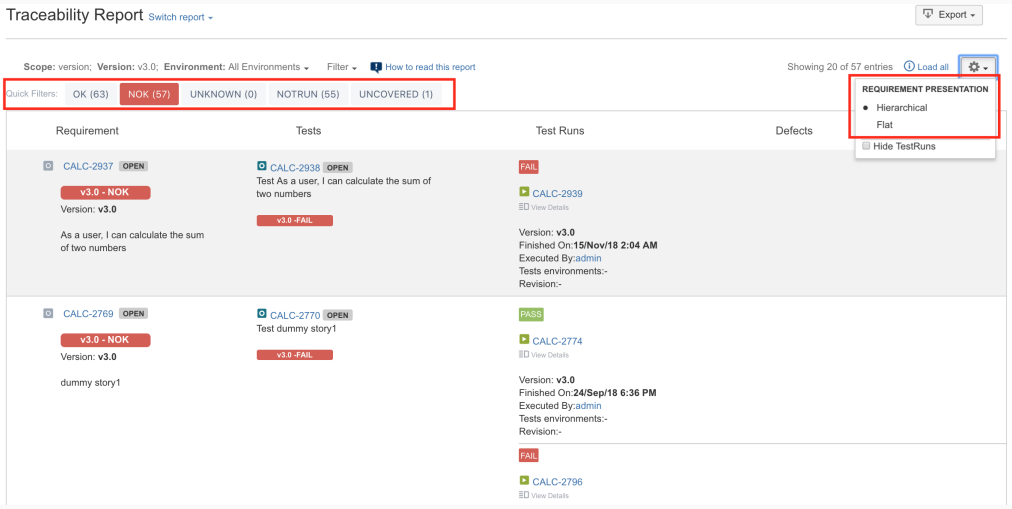
Flat presentation and coverage filters on the Traceability Report

The Traceability Report was enhanced in order to support hierarchical and flat presentation.

Whenever using the hierarchical presentation (which was previously the default) the "requirements" and the child/sub-requirements are shown; in this case the Filter is used to select the parent requirements. Whenever using "flat" presentation, all "requirements" are shown at the same level; in this case, the Filter applies to all of them.

It is also now possible to apply some quick filters, in this case on the coverage. Thus, you can filter out only uncovered requirements or only the requirements that are NOK, for example; or a mix of coverage status if you want. By providing counters for each coverage status, you can quickly evaluate the amount of requirements that are currently in a certain status and that may need some attention.

Learn more here.



Performance improvements

As part of our continuous performance improvements, we've improved several areas from reports/gadgets to functions.

The most intensive task related with calculation of coverage is now pre-calculated, which should provide quite noticeable performance improvements.

In sum, we've improved performance on:

- Test Lists gadget;
- Overall Requirement Coverage gadget & report;
- Historical Requirement Coverage gadget & report;
- requirements() and requirementsWithStatusByTestPlan() JQL functions.

Improving performance is an ongoing effort, so expect additional enhancements to come ahead.

And more...

JQL	REST API	Xporter

• Support for Test Execution filter as argument in the testPlanTestExecutions() JQL function
 	
`testPlanTestExecutions ("my_testplans_list")`
 	
• Support for Tests filter as argument in the testRequirements() JQL function
 	
`testRequirements ("my_tests_list")`
	• Return ids of step and attachments whenever updating or creating Test steps	• Enhanced integration with Xporter, in terms of performance and also by providing access to the Test Run rank within a Test Execution

New Features and Bug Fixes in this release

Key	Summary	T	Created	P	Status	Resolution
XRAY-3121	As system, the Migration Tool should be able to import the "Test Execution Defects" and "TestRunStatus" custom fields		Aug 24, 2018		CLOSED	Fixed
XRAY-3032	As a user, I can see the Revision of the Test Runs in the Traceability Report		Jul 30, 2018		CLOSED	Done
XRAY-2959	As system, the Migration Tool should be able to import Test Runs		Jul 19, 2018		CLOSED	Fixed
XRAY-2955	As a user, I can decide to synchronize or not the Tests on the Test Execution to the related Test Plan, whenever using Structure		Jul 19, 2018		CLOSED	Done
XRAY-2954	As a user, I can enable/disable Tests management under Test Plans whenever using Structure		Jul 19, 2018		CLOSED	Done
XRAY-3351	As system, step and attachment ids must be provided in the response of the REST API for Test step update		Oct 29, 2018		CLOSED	Done
XRAY-3348	As a user, I can filter Test Runs on the Test Evolution gadget based on the last past days		Oct 29, 2018		CLOSED	Done
XRAY-3347	As a user, I can filter Test Runs in the Test Runs List gadget based on time ranges		Oct 29, 2018		CLOSED	Done
XRAY-3343	As system, Xray must expose to Xporter the Test Run rank within a Test Execution		Oct 29, 2018		CLOSED	Fixed
XRAY-3329	As a user, I can filter requirements in the Traceability Report based on their coverage status		Oct 24, 2018		CLOSED	Done
XRAY-3313	As system, step and attachment ids must be provided in the response of the REST API for Test step creation		Oct 19, 2018		CLOSED	Done
XRAY-3212	As system, Xray must expose to Xporter the Test Runs of a Test in the context of a Test Plan		Sep 21, 2018		CLOSED	Done
XRAY-2384	As system, the testPlanTestExecutions JQL function should accept a filter of Test Plans as the first argument		Jan 17, 2018		CLOSED	Done
XRAY-2764	As a user, I can see and manage Test Executions of Test Plans using Structure		May 11, 2018		CLOSED	Fixed
XRAY-2678	As a user, I can filter the Test Runs in the Test Runs Summary gadget based on time ranges		Apr 11, 2018		CLOSED	Done
XRAY-1413	As a user, I can group the results of the Test Runs Summary gadget by Test key		Mar 23, 2017		CLOSED	Done
XRAY-1308	As a user, I can obtain the list of requirements associated with Tests specified by filter using a JQL function		Feb 21, 2017		CLOSED	Done
XRAY-3012	Improve performance of "Overall Requirement Coverage" gadget		Jul 25, 2018		CLOSED	Done

XRAY-3011	Improve performance of "Overall Requirement Coverage" Report		Jul 25, 2018		CLOSED	Done
XRAY-2952	Requirement Coverage - pre-calculate data		Jul 19, 2018		CLOSED	Fixed

Showing 20 out of 25 issues