

Test Plan

The purpose of a Test Plan is to enable you to have a better visibility and management over your Tests.

It provides a table that shows all the Tests added to the Test Plan and their respective Test Executions that are also associated with the Test Plan.

If tracking a particular version, the Test Plan will present the latest status for each Test, independent of the number of testing iterations (i.e., Test Executions) you make with them.

You can group a bunch of Test Executions and easily give feedback on the current/latest status of the Tests involved in those Test Executions.

From the Test Plan, it's possible to create one or more Test Executions, for all or just a subset of the Tests contained within the Test Plan (e.g., only those Tests that are still failing).

You are also able to assign one or more Test Plans to a given release and track progress of those tests within each Test Plan.

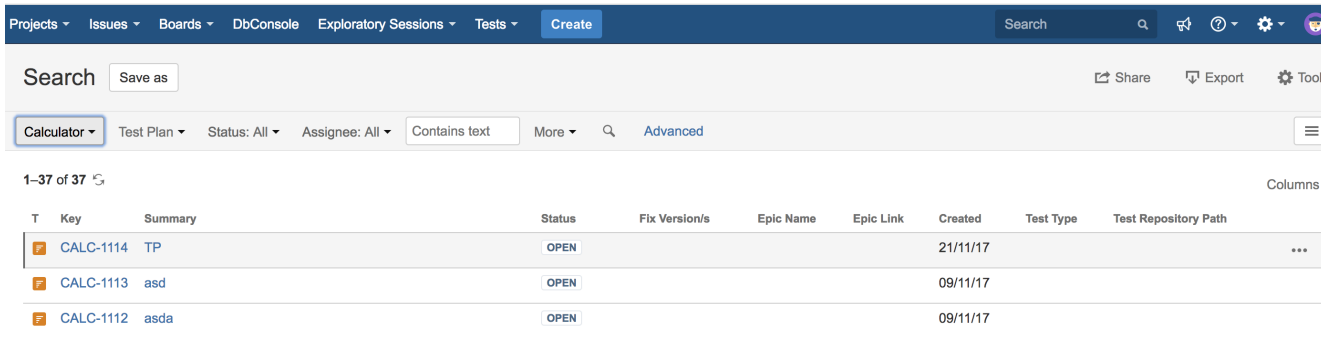
The [coverage analysis](#) can also be done taking into account just the tests from a given Test Plan and its related Test Executions.

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Create Test Plan

To create a new Test Plan Issue,

Step 1: Click the **Create Issue** at the top of the screen to open the **Create Issue** dialog box / page.



The screenshot shows the Xray application interface. At the top, there is a navigation bar with tabs: Projects, Issues, Boards, DbConsole, Exploratory Sessions, Tests, and a 'Create' button. Below the navigation bar is a search bar with a 'Search' button and a 'Save as' button. Below the search bar is a filter bar with a 'Calculator' button, a 'Test Plan' dropdown, a 'Status: All' dropdown, an 'Assignee: All' dropdown, a 'Contains text' input field, a 'More' dropdown, a search icon, and an 'Advanced' link. Below the filter bar is a table with 10 columns: T, Key, Summary, Status, Fix Version/s, Epic Name, Epic Link, Created, Test Type, and Test Repository Path. The table contains 3 rows of data. The first row has a blue icon, 'CALC-1114', 'TP', 'OPEN', and '21/11/17'. The second row has an orange icon, 'CALC-1113', 'asd', 'OPEN', and '09/11/17'. The third row has an orange icon, 'CALC-1112', 'asda', 'OPEN', and '09/11/17'. The table is paginated with '1-37 of 37' and a 'Columns' button.

T	Key	Summary	Status	Fix Version/s	Epic Name	Epic Link	Created	Test Type	Test Repository Path
	CALC-1114	TP	OPEN				21/11/17		...
	CALC-1113	asd	OPEN				09/11/17		
	CALC-1112	asda	OPEN				09/11/17		

Step 2: Select the **Project** and on **Issue Type** select Test Plan.

Step 3: Under the **General** tab, type a **Summary** for the test execution and fill all appropriate fields — mandatory fields are marked with an asterisk. If you're working with versions, then you should also fill out the **Fix Version** to indicate that you're tracking the results of the Tests for that version. This will be used to automatically fill out the Fix Version of the planned Test Executions (i.e., the ones linked to/created from this Test Plan).

Step 4: Under the **Test Plan Details** tab, you can populate the Test Plan custom fields provided by Xray, namely the **Begin/End date**. In this tab, you can also add tests to the Test Plan.

Create Issue Configure Fields

Project Calculator (CALC)

Issue Type Test Plan ?

General **Test Plan Details**

Summary

Description Style B I U A A Link Image List Bulleted List Numbered List @ +

Reporter Administrator

Assignee Automatic Assign to me

Priority Minor ?

Affects Version/s

☐ Create another Create Cancel

Optional: To create a series of similar Test Plans – within the same **Project** – select the **Create another** checkbox at the bottom of the dialog.

Step 5: When you are satisfied with the content of your Test Plan, click the **Create** button.

Step 5a: If you selected the **Create another** checkbox, a new **Create Issue** dialog appears. This issue is automatically pre-populated with your previous Test Plan details, while leaving the **Summary** field blank.

Add Tests to a Test Plan

Aside from adding Tests to the Test Plan using the issue create screen, you can also do it in the Test issue page.

Step 1: Click **Add**.

Step 2: Choose to add either Tests or Test Sets. Note that if you choose Test Sets, you are not actually adding Test Set(s); instead, you are adding the Tests that belong to that Test Set(s).

Tests

This test plan is not associated with tests yet.

Create Test Execution + Add

Tests...

Test Sets...

Attachments

Step 3: Choose the Tests you want, by using the **Select** or **Search** tabs and then selecting some or all of them.

Step 4: Click **Add selected** or **Add all**.

Add Tests to CALC-1304 Assignee Issue Assignee

Select Search

Project: Calculator Test Type: Contains:

Type	Key	Summary	Test Type
<input type="checkbox"/>	CALC-996	Test Story A 1	Manual
<input type="checkbox"/>	CALC-987	Cuc test	Cucumber
<input type="checkbox"/>	CALC-982	Test user story1	Manual
<input type="checkbox"/>	CALC-968	Test As a user, I can subtract 2 numbers	Cucumber
<input type="checkbox"/>	CALC-965	Test As a user, I can calculate the multiplication of 2 numbers	Manual
<input type="checkbox"/>	CALC-963	Test As a user, I can calculate the division of 2 numbers	Manual
<input type="checkbox"/>	CALC-908	sdscdc	Cucumber
<input type="checkbox"/>	CALC-887	Basic arithmetic	Cucumber
<input type="checkbox"/>	CALC-885	First Key Press on the Display	Cucumber
<input type="checkbox"/>	CALC-883	Test s1 - b	Manual

Showing 91 to 100 of 356 entries First Previous 8 9 10 11 12 Next Last

Reorder Tests

Ranking of Tests within the Test Plan can be done in two ways: directly in the Test Plan issue screen ([if Hierarchical Test Organization is disabled](#)) or in the Test Plan Board ([if Hierarchical Test Organization is enabled](#)). This means you can rank Tests, whether you use hierarchies or not.



Learn more

If you are using Hierarchical Test Organization, you can and [have](#) to the ranking within the Test Plan Board. More info [here](#).

The following procedure details how you can change the order of the Tests, directly in the Test Plan issue screen.

There are two ways of changing the order of Tests within a Test Plan:

Drag-and-Drop

To reorder Tests,

- Step 1:** Open the Test Plan issue.
- Step 2:** Hover over the desired Test row (under the **Tests** section on the view page) and the drag handle column.
- Step 3:** Click the drag handle and move the Test up or down in the current page.

Change Rank Action

This action allows users to change the Rank of a Test between pages.

To change the rank of a Test,

- Step 1:** Open the Test Plan issue.
- Step 2:** Hover over the desired Test (under the **Tests** section on the view page)
- Step 3:** Click the gear that appears in the last column. The actions menu should pop up with the available actions.
- Step 4:** Click the **Move To** action. The change rank dialog appears.
- Step 5:** Enter the desired index number (1-based) and click **OK**.

CALC-1 - Change Rank

New rank value

1

OK

Cancel

Associate Test Executions to the Test Plan

Since the table only shows Test Runs for tests that are in the Test Plan and for Test Executions that are associated with the Test Plan, it's necessary to associate Test Executions with the Test Plan.

You can also add existing Test Execution issues directly to a Test Plan.

Test Executions

This test plan is not associated with test executions yet.

[Add Test Execution](#)

The selected Test Executions will be added, including the Tests associated with those Test Executions.

Test Executions can also be associated with a Test Plan by editing the custom field **Test Plan** in the Test Execution issue view page or directly in the create issue screen in the Test Execution Details tab. Note that with this method, only the Test Execution shall be associated with the Test Plan; the Tests will not be associated.

Details

Type:  Test Execution

Status: **OPEN** ([View Workflow](#))

Priority:  Low

Resolution: Unresolved

Affects Version/s: None

Fix Version/s: None

Labels: None

Test Plan: None

General Test Execution Details

Begin Date

The start date for the test execution

End Date

The finish date for the test execution

Revision

The system revision for the test execution

Tests +

Associate tests or test sets with this test execution

Test Plan +

Associate Test Plans with this Test Execution

Test Plan table

The Test Plan Test view section in the issue page provides you with a table where you can see all the Tests that were added to the Test Plan and their Test Executions (if they are associated to the Test Plan).

Tests

[+ Create Test Execution -](#)
[+ Add -](#)

Overall Execution Status

4
PASS

2
FAIL

1
ABORTED

2
EXECUTING

2
TOD0

TOTAL TESTS: 11

FILTERS

Test Set	Assignee	Status	Component	Test Environments	Search
All	All				Contains text X Clear

Show 100 entries
All Environments ▼ Columns ▼

Key	Summary	Requirements	#Test Executions	Issue Assignee	Latest Status
▶ DEV-901	AddClient		1	Unassigned	PASS
▶ DEV-900	RemoveBoughtShoppingListItems		1	Unassigned	PASS
▶ DEV-899	GetPublicShoppingLists		1	Unassigned	EXECUTING
▶ DEV-898	DeleteShoppingList		1	Unassigned	EXECUTING
▶ DEV-897	GetSuggestedProducts		1	Unassigned	FAIL
▶ DEV-896	TestAuthorization		1	Unassigned	ABORTED
▶ DEV-895	GetShoppingLists		1	Unassigned	PASS
▶ DEV-894	CreateShoppingList		1	Unassigned	PASS
▶ DEV-893	AddShoppingListItem		1	Unassigned	TOD0
▶ DEV-892	RemoveShoppingListItem		1	Unassigned	TOD0
▶ DEV-882	AddTwoNumbers		3	Unassigned	FAIL

Showing 1 to 11 of 11 entries
First Previous 1 Next Last

1. Create planned Test Execution (see next Section), so its results be reflected on the current Test Plan
2. Add Tests and Test Sets
3. Test Plan Progress Bar
4. Table Filters
5. Use a Test Environment to calculate the status for test issues for that environment.

It is possible to filter tests by status in Test Plan Progress Bar as shown in the image below:

Overall Execution Status

2

PASS

1

TODO

TOTAL TESTS: 3

Search

Save as

Share

Issue in testPlanTests('CALC-1093','PASS')

1-2 of 2

T	Key	Summary	P	Status	Created	Due	TestRunStatus	Revision	Components	Resolution	Resolved	Conc
	CALC-1092	Cucumber Test		OPEN	22/Mar/17		v3.0 - PASS			Unresolved		
	CALC-1089	Calculate the sum of 2 numbers		OPEN	22/Mar/17		v3.0 - PASS			Unresolved		

Each row represents a Test with configurable columns, with the exception of the Latest Status. Each row also contains an inner table with information about the Test Execution. Click on the blue arrow to see the inner table for a particular test.

Key	Summary	Requirements	#Test Executions	Issue Assignee	Latest Status	
PER-1190	Cucumber tests: PER-76		22	Administrator	ABORTED	...

Key	Summary	Requirements	#Test Executions	Issue Assignee	Latest Status	
PER-1190	Cucumber tests: PER-76		22	Administrator	ABORTED	...
Key	Summary	Environment	Status			
PER-1437	Ad-hoc execution for PER-1430		ABORTED	1		
PER-1458	Ad-hoc execution for PER-1190		PASS	2		

This inner table is similar to the Test Run table as it allows for inline execution (1) and for operations like assignee and remove (2). This inner columns are not configurable.

Create Test Executions from the Test Plan

There are several ways to create Test Executions directly in the Test Plan issue page.

Create planned Test Execution

The most common and straightforward option to create a Test Execution for all the Tests, or for a subset of those that are currently in some consolidated status, is by using the option available at the top of the Test Plan issue screen.

Tests

Test Plan Board

+ Create Test Execution

+ Add

All tests...

With status...

Overall Execution Status

2

PASS

1

FAIL

The Create Test Execution button will open a dropdown with some options that will allow you to select the Tests that will be part of the Test Execution.

Please note

In order to create a related Test Execution from the Test Plan, the user must be allowed to edit the current Test Plan since the results on the Test Execution will affect the consolidated information shown at the Test Plan. The user will only be able to create Test Executions in certain projects, therefore the list of projects shown in the creation dialog will be filtered out accordingly.

All tests...

Lets you create a Test Execution with all the tests that are associated with the Test Plan.

Note: If the revision field is not configured in the create issue screen of the Test Execution for the selected Project, the field will not appear in the dialog. If there are some mandatory fields, the standard create issue screen will be shown.

Create new test execution for tests in test plan CALC-95

Project*

Calculator

Summary*

Test Execution for Test Plan CALC-95

Assignee

Administrator

Choose a user to assign the Test Execution

Fix Version/s

v1.0 x

Start typing to get a list of possible matches or press down to select.

Test Environments

Start typing to get a list of possible matches or press down to select.
Each environment where the Test is to be executed

☒ Redirect to Test Execution

Create

Cancel

With status...

Choose the Tests based on their consolidated status in a specific Test Environment. You can choose all Tests using the top left-side option; the Test Environment can be chosen in the top right-side option. For all shown status, you can see the amount of Tests that are currently in that consolidated status. You may choose one or more statuses. In the example below, we will be including just the (1) Test that is currently failing.

Include Tests currently in these statuses

All

None

All Environments ▾

PASS (2)

TODO (0)

EXECUTING (0)

FAIL (1)

ABORTED (0)

BLOCKED (0)

PENDING (0)

FAIL_DISCARDABLE (0)






The statuses selected above will be used to filter the Tests that will be added to the Test Execution

Create

Cancel

Bulk action


You can select some Tests, using the bulk selection (1), and then schedule a Test Execution for them.

	Show <input type="text" value="10"/> entries	Columns ▾		
 Key	#Test Executions	Begin Date	Latest Status	 Remove + Create 2
 PER-1190	23		ABORTED	
 PER-1187	25		PASS	



Clone Test Plan and respective Board

A Test Plan along with its respective hierarchical information (i.e. the Board folder structure) can be cloned.



The new Test Plan will be created in a clean state, containing the original Tests without any execution related information. If hierarchical test organization, the Board folder structure is also cloned.


Calculator / CALC-2048

all my relevant tests for v3.0

 Edit
  Comment
 Assign
 More ▾
 Start Progress


Details

Type:  Test Plan
 Priority:  Major
 Affects Version/s: None
 Component/s: None
 Labels: None

Description

Click to add description

Tests

 Test Plan Board

Overall Execution Status

1

2

FAIL

ABORTED

Log work
 Agile Board
 Rank to Top
 Rank to Bottom
 Attach files
 Voters
 Stop watching
 Watchers
 Create sub-task
 Convert to sub-task
 Move
 Link
Clone
 Labels
 Delete