

Test Coverage Report

Calculates the test coverage status for a list of coverable issues for the selected version or Test Plan, and/or Test Environment. The statuses are presented in a normalized horizontal stacked bar chart and evaluate the completeness of each issue.



Please note

To use this report, you must have some Issue Types configured as coverable issue types, in the project settings. More info in [Project Settings: Test Coverage](#)

In order to analyze the current status of your release, or even past releases, you need to evaluate the status of the requirements and other covered issues, taking into account the respective results.

You might want to analyze just the requirements implemented in a given version, or you may want to analyze requirements from earlier versions based on your regression testing.

The Test Coverage report provides the means to analyze your requirements statuses in real-time.

- [How to use](#)
 - [Source data/Filters](#)
 - [Analysis & Scope](#)
 - [Group By](#)
 - [View](#)
- [Example](#)
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How to use

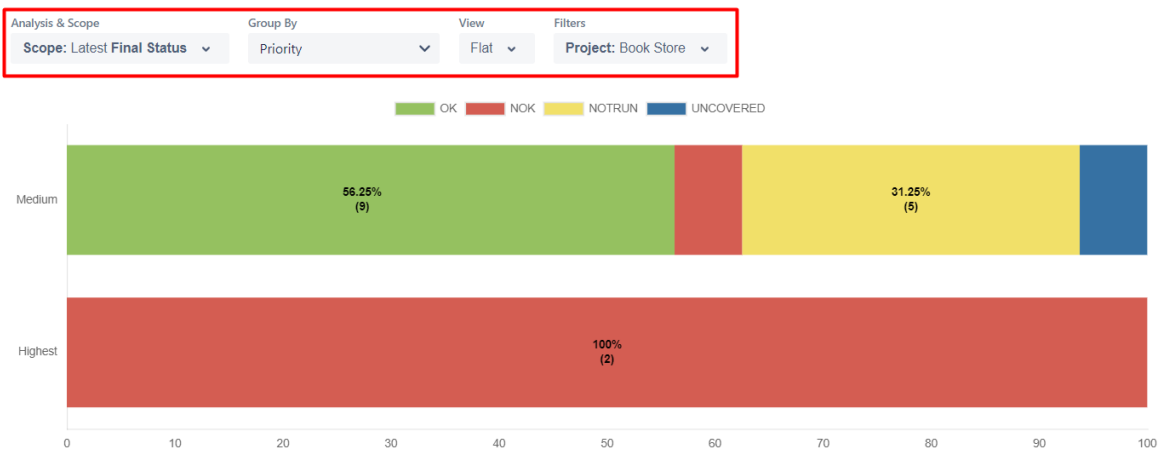
This report is accessible either from the **Xray** icon on the left sidebar of the project or from the standard **Reports** icon, which includes other kind of reports besides Xray.

At the top of the report, you have some options that need to be configured.

- **Analysis & Scope:** how to analyze the issues (more info on [Coverage Analysis](#));
- **Group By:** how to visually group the coverable issues (e.g. by priority, by component);
- **View:** flat or hierarchical;
- **Filters:** the source data for the report (e.g. the requirements or other covered issues) and how to evaluate the status for each one of the item being shown.

Test Coverage Report ?

Share



Source data/Filters

The source data for the report (e.g., the requirements or other covered issues) can be defined under **Filters**, which available at the top.

Filters

Project: Book Store

Basic | Advanced

Project Book Store	Assignee Type to search
Component Select...	Fix versions Select...
Resolution Select...	Status Select...
Saved Filter Select...	Contains <input type="text"/>

More

Clear | Reset to default | **Apply** | Cancel

Source "requirement"/coverable issues can be directly provided using a Basic or Advanced filter:

- **Advanced:** a JQL query to filter the coverable issues.

- **Basic:**
 - **Project:** project;
 - **Assignee:** the issue's assignee;
 - **Component:** the component assigned to the issue;
 - **Fix Versions:** versions assigned to the issue;
 - **Resolution:** the workflow resolution;
 - **Status:** the workflow status;
 - **Saved Filter:** a saved filter;
 - **Contains:** the full issue key or part of the summary.

To add more fields to the filter you can click the "**More**" button.

Filters

Project: Book Store ▾

Basic Advanced

Project

Book Store

Component

Select...

Resolution

Select...

Saved Filter

Select...

More ▾

Filters

Search

- ☒ Assignee
- ☒ Components
- ☒ Fix versions
- ☒ Resolution
- ☒ Status
- ☒ Project
- ☒ Saved Filter

Set

Cancel

Clear

Reset to default

Apply

Cancel

Filters

Project: Book Store ▾

Basic Advanced

Project

Book Store

✕

▾

Assignee

Type to search

▾

Component

Select...

▾

Fix versions

Select...

▾

Resolution

Select...

▾

Status

Select...

▾

Saved Filter

Select...

▾

Contains

Begin Date

Time Frame

Fixed

Time Frame

Select...

▾

More ▾

Clear

Reset to default

Apply

Cancel

If you want, you can **reset** the filters that are displayed back to the default filters, or you can **clear** all the filter values.

Filters

Project: Book Store ▾

Basic Advanced

Project

Book Store



Assignee

Type to search



Component

Account



Status

To Do



Fix versions

2.0



Resolution

Select...



Saved Filter

Select...



Contains

More ▾

Clear

Reset to default

Apply

Cancel

Filters

Project: Book Store ▾

Basic Advanced

Project

Book Store



Assignee

Type to search



Component

Select...



Status

Select...



Fix versions

Select...



Resolution

Select...



Saved Filter

Select...



Contains

More ▾

Clear

Reset to default

Apply

Cancel

Analysis & Scope

On the left side, you can define the analysis strategy, i.e., the way you want to analyze the selected/filtered requirements. You can choose to analyze by **La test**, **Version** or **Test Plan**, and then complement it with a **Test Environment**.

If you choose analysis by:

- **Latest**, then the latest results from Test Executions are taken into account;
- **Version**, then the latest results from Test Executions for the specified version are taken into account;
- **Test Plan**, then only Test Executions (and related results) associated with the given Test Plan are considered during the calculation of the requirement status.

If you specify the **Test Environment**, then only the executions that ran in the specified environment are considered.

Analysis & Scope

Scope: Latest Final Status

Group By

Priority

Calculate the Test Coverage for the following scopes.

Latest

Version

Test Plan

Test Environment

All Environments

☒

 Final statuses have precedence over non-final.

Clear

Apply

Cancel

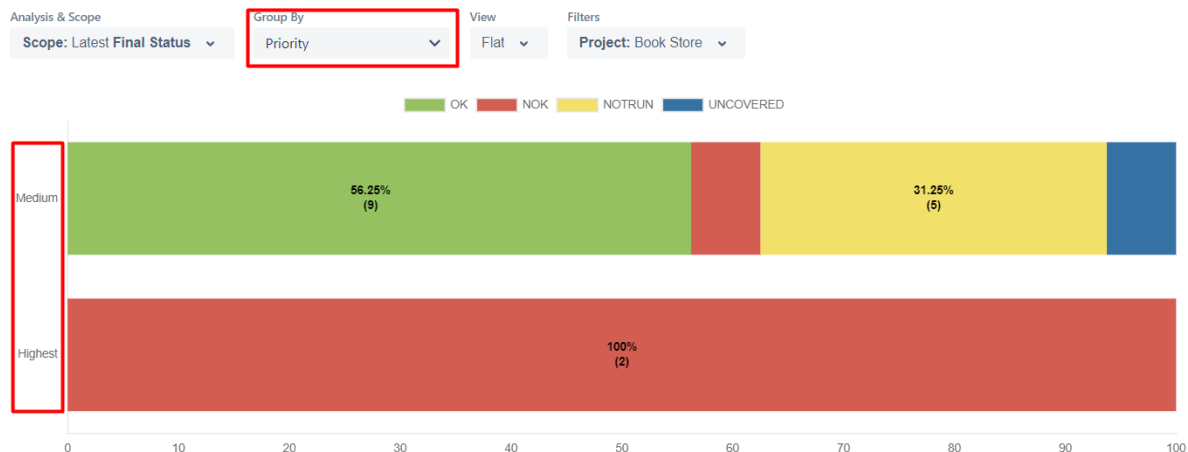


Learn more

Please read [Coverage Analysis](#) for a more detailed explanation of how to perform coverage analysis.

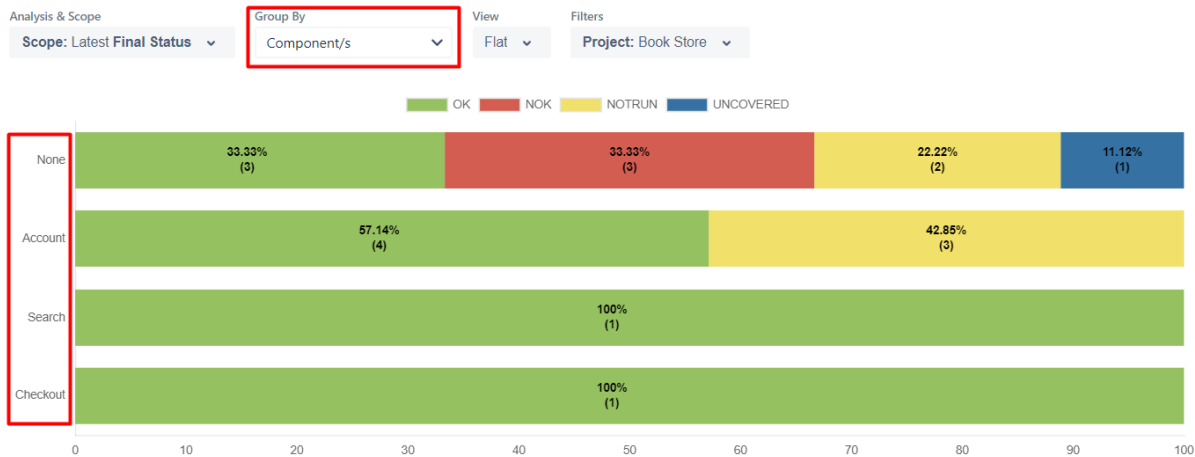
Group By

You can visually group the requirements by **Priority**, **Component** or **other** fields, so you can analyze requirements from different perspectives.



Medium

Highest



Tips

For more information, please see the [Coverage Analysis](#).

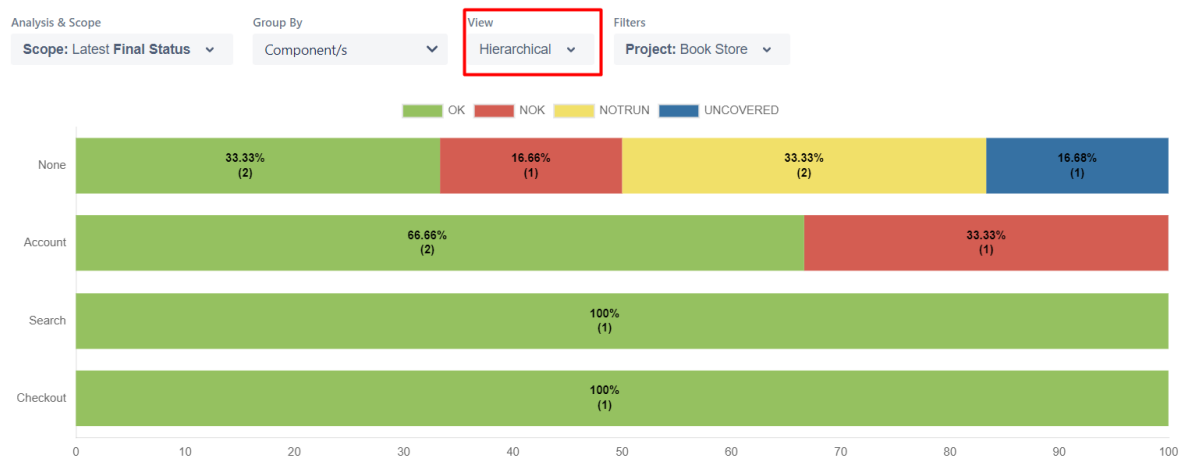
View

You can see a flattened list of coverable issues or just the top-level ones (e.g., the top-level parent requirements).

For example, if you're using Epics and Stories and you choose the **"Flat"** view, then Epics and related/linked Stories appear in the report, independent of whether the source data includes the sub-issues or not. If you choose the **"Hierarchical"** view, then only the Epics would be shown.

- **Hierarchical** - only the parent coverable issues will be presented in the chart. Child issues can still be visualized in the overall details table;
- **Flat** - the parent/child relationship between coverable issues is not considered. All parent and child issues will be considered for the chart.

Test Coverage Report



Example

Each bar on the chart represents a group of Requirements with a different *value* provided by the grouping field. Stacked within each bar are the Requirements grouped by coverage status: **OK**, **NOK**, **NOT RUN**, **UNKNOWN** & **UNCOVERED**.

Because this is a normalized chart, the bars are always 100% wide.

The Overall Coverage requirements chart is interactive. Hovering over each bar shows a small popup with the information on the specific series (Status, Grouping Field and Percentage). You can deactivate a particular series by clicking it in the series legend.

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Share



The chart also supports drill-down. When a section is selected, a table appears below the chart with the Requirement issues.

For each Requirement issue, the table shows the following indicators:

- **Total Tests:** total number of linked tests;
- **PASSED:** total number of tests passing (i.e., the ones whose status is mapped to the Test Coverage status "OK");
- **FAILED:** total number of tests failing (i.e., the ones whose status is mapped to the Test Coverage status "NOK");
- **Other:** total number of tests whose current status is mapped to the Test Coverage statuses "Not Run" or "Unknown";

It also contains a column with a progress bar that shows the completeness of each issue.

Some values may provide a link, so you can be redirected to the respective entities corresponding to the number shown.

Requirements with Component/s "None" and Status "NOK"

View Issues

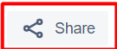
Search

Key	Summary	Total Tests	Passed	Failed	Other	Completeness
STORE-12	As a visitor, I can view all the books in my sho...	1	0	1	0	0%
STORE-11	As a visitor, I can remove books from my shop...	1	0	1	0	0%
STORE-9	As a visitor, I can manage my Shopping Basket	3	1	2	0	33.3%

Share

To share the report click the **Share** button and then click the copy icon to copy the link to clipboard after this you can send the link to other users who can then view the report with the same filters. This link will be deleted if it's not used for more than 6 months.

Test Coverage Report ⓘ



Analysis & Scope

Scope: Latest Final Status

Group By

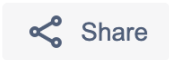
Component/s

View

Flat

Filters

Project: Book Store



Share Report

/plugins/servlet/ac,

This link will become invalid after not being used for 6 months.

Close