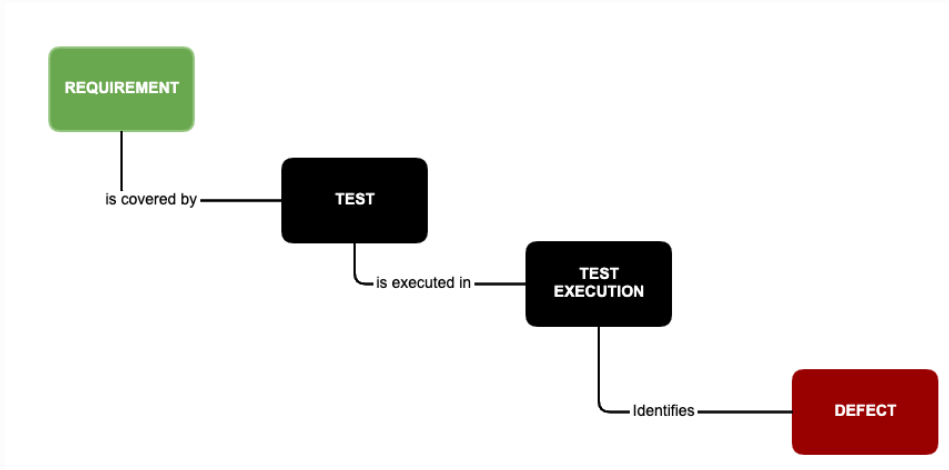


Configuring Requirements & Defects

Requirements can be covered by Tests and are the expected result for the system.

Defects are identified during Tests Executions and represent a condition in the system that does not meet the requirement or end-user expectations.

In Jira, Requirements and Defects are going to be created as issues inside a project.



1

Decide which issue types to use



Discuss with your team which issue types you will consider as Requirements & Defects. If none of the existing issues types are suitable, you can always create new ones!

Nevertheless, remember that you can re-use existing issue types and you don't need to create extra ones.

What issues type can be used as Requirements?

Basically, any issue type can be mapped as a Requirement in Jira, but the most common ones are:

Story

Created by Jira Software - do not edit or delete.
Issue type for a user story.

Epic

Created by Jira Software - do not edit or delete.
Issue type for a big user story that needs to be broken down.

Improvement

An improvement or enhancement to an existing feature or task.

New Feature

A new feature of the product, which has yet to be developed.

What issue types can be used as Defects?

As with Requirements, any issue type can be considered a Defect.

The most common to use is the "Bug" issue type that is available by default when you install Jira Software.

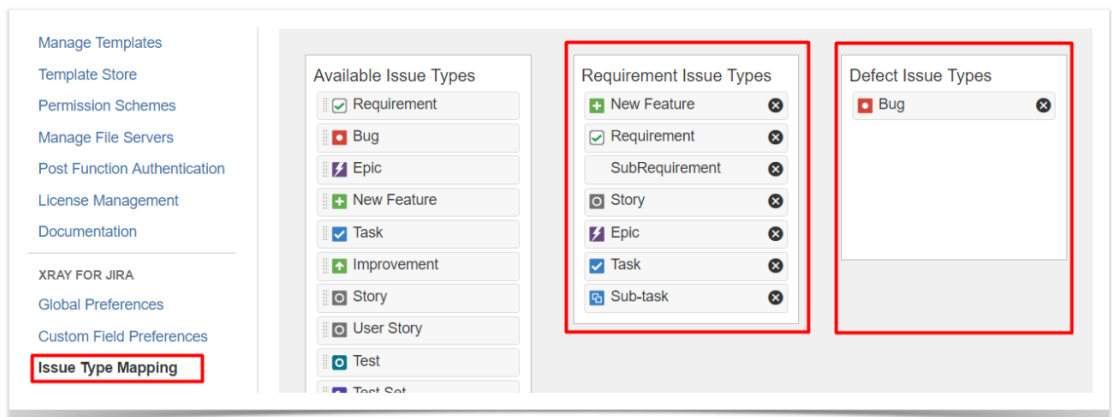
Bug

A problem which impairs or prevents the functions of the product.

2

Map Requirements & Defects

1. Go to **Jira Administration > Manage Apps > Xray > Issue Type Mapping** and drag-and-drop the issue types that should be considered "Requirements" and "Defects."



The screenshot displays the Jira Issue Type Mapping configuration page. On the left sidebar, the 'Issue Type Mapping' link is highlighted with a red box. The main content area is divided into three sections: 'Available Issue Types', 'Requirement Issue Types', and 'Defect Issue Types'. The 'Available Issue Types' list includes Requirement, Bug, Epic, New Feature, Task, Improvement, Story, User Story, Test, and Test Set. The 'Requirement Issue Types' column contains New Feature, Requirement, SubRequirement, Story, Epic, Task, and Sub-task. The 'Defect Issue Types' column contains Bug. Red boxes highlight the 'Requirement Issue Types' and 'Defect Issue Types' columns.

2. Click "Save"

Confirm Sub-Requirements behaviour

By default Xray will have the following settings enabled:

Sub-Requirements

Sub-Tasks/Links ☒ Use Sub-Task Issues

When this option is enabled, Sub-Requirements are associated with Requirements by Sub-Task Issues. When this option is disabled, Sub-Requirements are associated with Requirements with issue links configured below.

Epic - Story relation as a Requirement ☒ Epic - Story relation as a Requirement

When this option is enabled, the relation Epic - Story is handled as a Requirement - sub-requirement link

This means that a Requirement can be associated with Sub-Requirements, resulting in a hierarchy of Requirement issues. With these options enabled, you will have this behaviour by just using the relation:

- Issue > Sub-Task - For example using issue types like "Requirement" & "Sub-Requirements"
- Epic > Story



To have "Sub-Tasks / Links" working correctly, you need to have the Sub-Task requirement issue types associated with "Requirements" in the "Issue Type Mapping" section. For example, you can create a new issue type Sub-Requirement / Sub-Story and mapped as a Requirement.

If you decide to disable these options, you can set the sub-requirement behaviour using the Jira linking mechanism. You just need to select which "Issue Link Type" to use and the correct "Direction".

Issue Link Type

Child



Select the issue link type for the Requirement <-> Sub-Requirement relation

Direction

is parent -> is child

Select the Link Direction for the parent -> child relation of Requirement -> Sub-Requirement



A Jira re-index operation is recommended when there are changes to Issue Type Mappings.

