

## Overview of Zephyr for Jira

Zephyr for Jira (also known as Zephyr Squad) is a test management solution that integrates directly into Jira. It allows teams to create, manage, and execute test cases within the Jira environment, which helps align testing with agile development workflows.

Key Features of Zephyr include:

- **Test Case Management:** The ability to create and organize test cases within Jira projects.
- **Test Cycles:** Test cases can be grouped into test cycles for structured execution.
- **Test Execution Tracking:** Users can run tests, mark results as "Pass" or "Fail", and track progress.
- **Reports & Metrics:** Provides dashboards and reports to monitor quality over time.

## Test Case and Test Cycle Analysis

The documents illustrate how individual test case results determine the overall status of a test cycle. A test cycle is a collection of test cases grouped for a specific execution.

- **A single failed step in a test case will cause the entire test case to fail, which in turn causes the test cycle report to fail.**
- **If all steps within a test case pass, the test case is marked as "Pass," and if all test cases within a cycle pass, the entire cycle is marked as "Pass".**

## Passed Test Cycle

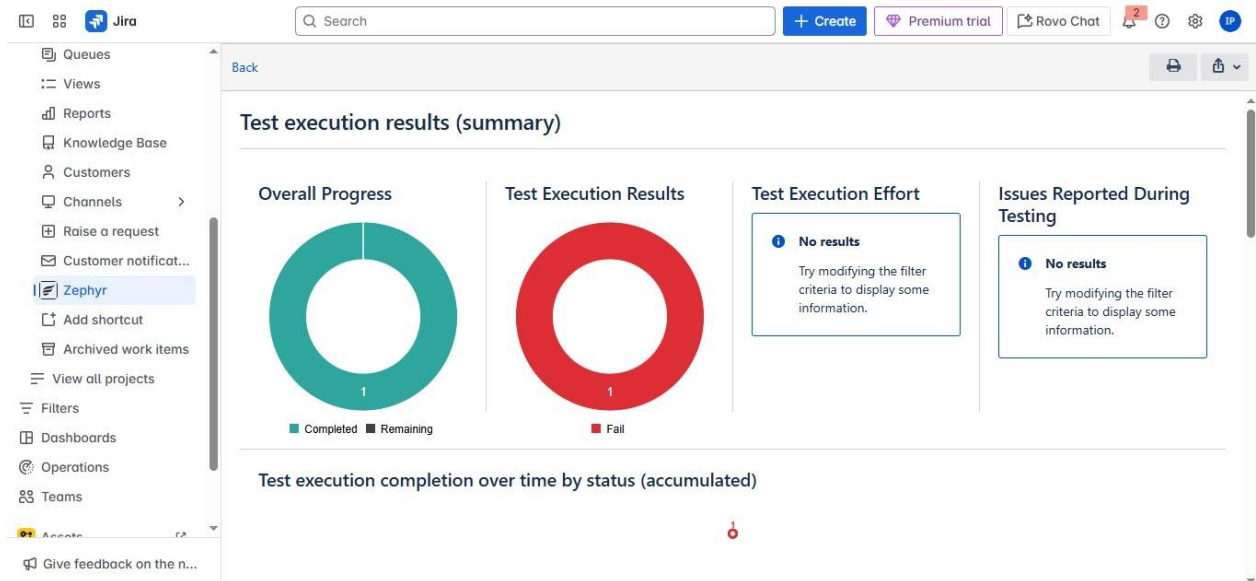
A test cycle passes when all test cases within it have a "Pass" status. The document shows an example where two test cases are run, both of which pass, resulting in a successful test cycle.

## Failed Test Cycle

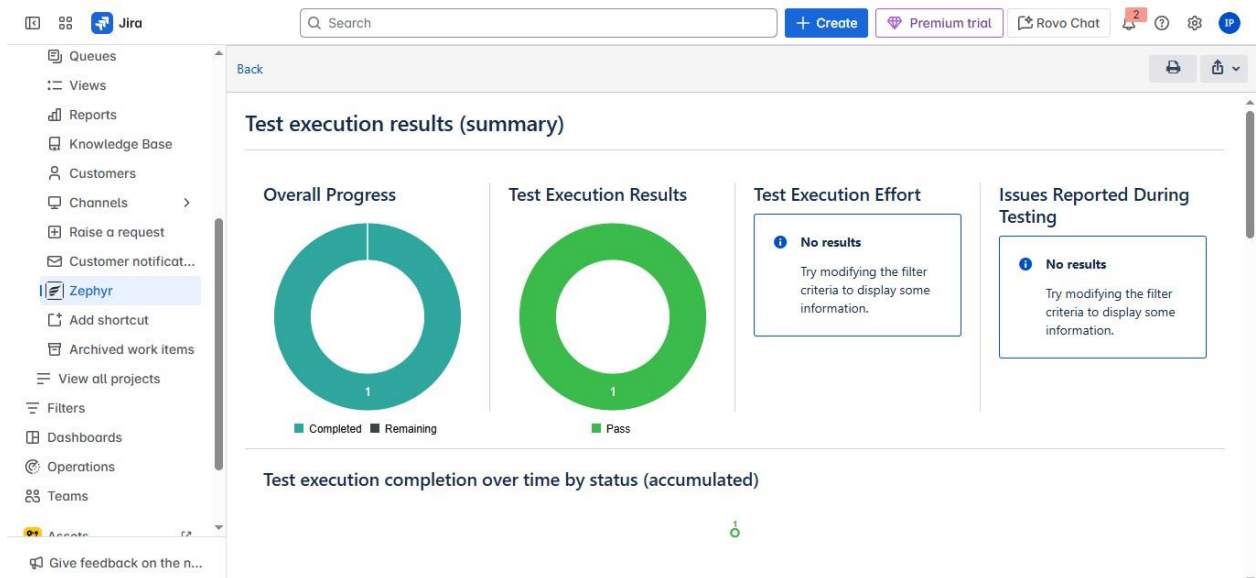
A test cycle fails if even one of the test cases within it is marked as "Fail". The documents provide two examples of this:

- In one example, two test cases are executed, and one fails, causing the entire test cycle to show as a failure.
- In another, both test cases fail, which also results in a failed test cycle. This demonstrates that a single point of failure can halt the progress of the entire test cycle.

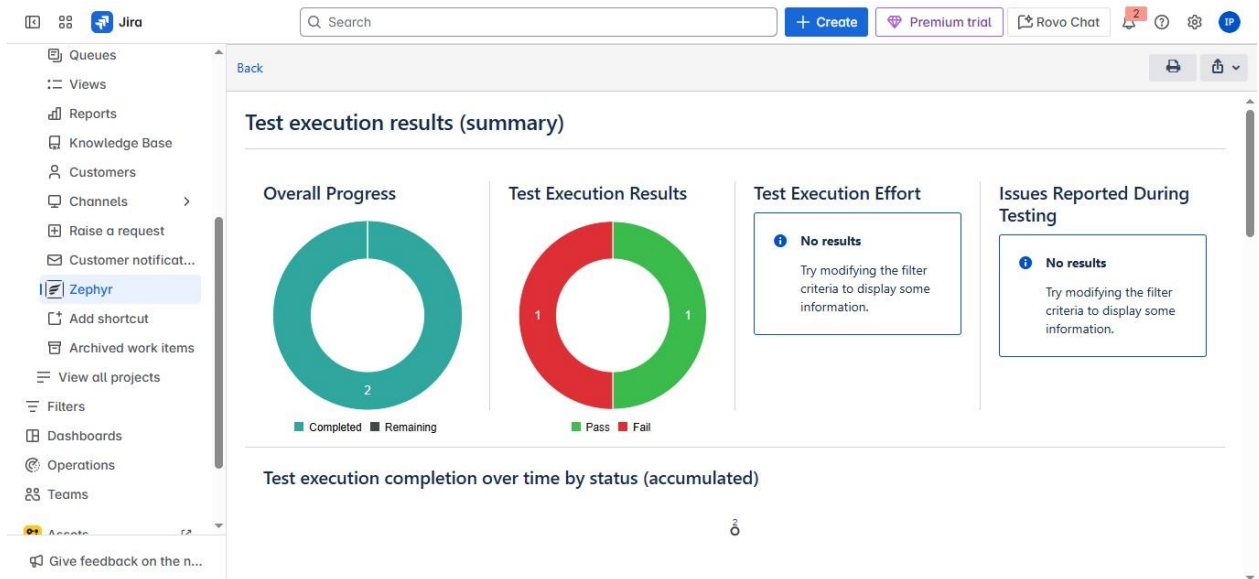
1. Using One Test Case 3 Steps Pass And 1 Step Fail According To That Whole Report Getting Fail.



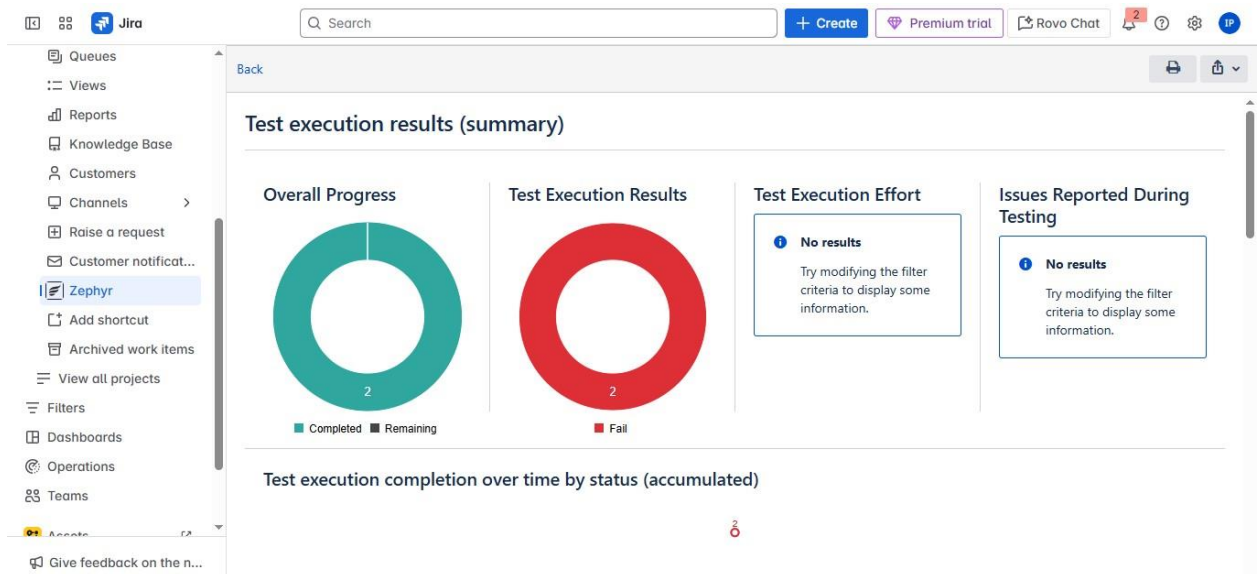
2. Using 1 Test Case and All Steps Are Pass Therefore All Test Cycle Is Pass



3. Using 2 Test Cases and One Test Case Is Fail And Other One Is Pass Therefore Test Cycle Show Like This.



#### 4. Using 2 Test Cases All Getting Therefore All Cycle Getting Fail.



#### 5. Using 2 Cases and All Are Pass Therefore Cycle Getting Pass Output.

