

# Importing tests from HP ALM/QC

Xray v3.0 has a [basic](#) built-in tests importer for HP ALM/QC v12.5x.


You can import test cases from HP ALM's "Test Plan" (not in any way related with Xray's Test Plan issue) by using HP ALM's REST API.

The current implementation is essentially limited to importing manual test specifications, their steps and their attachments.


- [Features and Limitations](#)
- [How to use](#)

## Features and Limitations

Supported Features	Unsupported
<ul style="list-style-type: none"><li>• import Test case specification from HP ALM's "Test Plan"<ul style="list-style-type: none"><li>◦ tests without parameters</li><li>◦ tests without called steps</li><li>◦ tests that are not marked as "templates"</li><li>◦ tests of type "MANUAL"</li></ul></li><li>• import Test attachments and Test step-level attachments</li><li>• import formatted Test description</li><li>• hierarchical organization information from ALM/QC's "Test Plan"</li></ul>	<ul style="list-style-type: none"><li>• tests whose type is not "MANUAL"</li><li>• tests with parameters</li><li>• tests with called steps</li><li>• tests that marked as being "templates"</li><li>• defects and requirements</li><li>• links to defects/requirements</li><li>• test runs</li><li>• Test Lab-related information (tests, runs, etc.)</li></ul>

 **Please note**

The current importer is relatively basic. If you need to migrate more information and have further control over the migrated data, we recommend you contact an Atlassian partner with expertise on this kind of migrations. Note that migrating "all" information may be a complex process to implement and some things may not be mappable at all.

 **Please note**

- The steps information from HP ALM/QC is saved in HTML which is only convertible to Jira's wiki markup from Jira 7.2 and later. In Jira version below 7.2, the steps are shown with HTML markup.
- In order to import Tests, the Test issues cannot have required fields in Jira; you must set them as optional before starting the import process.

## How to use

Suppose you have a project in HP ALM (see above for supported version/s) and you wish to import the tests from HP ALM's "Test Plan", as seen below:

hp **Application Lifecycle Management**

Name:

Password:

☐ Automatically log in to my last domain and project on this machine

[Forgot password](#) **Authenticate**

Domain:

Project:

**Login**

Tests Edit View Favorites Analysis

No Filter Defined

Name

- Subject
  - Unattached
  - Business Tests Folder
    - Business Test
    - Flight Reservation
      - Book Flight
        - test manual with funny parameters
        - test template
    - Manual Tests Folder
      - novo\_teste
      - Test\_Test
    - Payment Methods
      - Credit Cards
      - Credit Cards\_Copy\_1

Step Name	Description
Step 2: Select a flight destination	1. Click the <b>Flights</b> button 2. Enter <b>flight details</b> and <b>preference</b> 3. Click <b>Continue</b> • Hello and goodbye
Step 3: Enter departure and return flight	1. Select departure and return flights 2. Click Continue
Step 1: Log in to Mercury Tours	1. Enter URL 2. Log in
Step 4: Enter passenger details	Enter first name, last name and meal preference
Step 5: Enter credit card details	1. Enter credit card type <credit card type> 2. Enter credit card number <credit card number> 3. Enter expiration date
Step 6: Enter addresses	Enter billing and delivery addresses
Step 7: Complete the purchase	Click Secure Purchase

To start the importation process:

1. Log in with an administrator account.
2. Go to System>Import and Export>External System Import.
3. Select Xray's **HP ALM/QC Importer**.

JIRA

Dashboards ▾

Projects ▾

Issues ▾

Boards ▾

Structure ▾

easyBI

Tests ▾

Create

Administration

Search JIRA admin

ApplicationsProjectsIssuesAdd-onsUser managementSystemStructure

General configuration

Find more admin tools

TRUBLESHOOTING AND SUPPORT

System info

Instrumentation

Database monitoring

Integrity checker

Logging and profiling

Scheduler details

Support Tools

Audit Log

SECURITY

Project roles

JIRA import wizard

To get started, click the product you want to import your projects from.

Xray

Test Case Importer

Xray

HP QC/ALM Importer

CSV

Microsoft® Excel®

Bitbucket

GitHub

a:

Asana

Trello

Microsoft® TFS®

Then, you need to fill out the details of the HP ALM/QC instance, including its host name/IP, port, domain, project and authentication credentials.

HP QC/ALM Importer Setup

HP QC/ALM Details

Configuration

Project

Confirmation

HP QC/ALM Details

ALM Version

12.5x

Host\*

qc.example.com|

Port\*

8080

Domain\*

TEST\_DOMAIN

Project\*

test\_project

Username\*

test\_user

Password\*

\*\*\*\*

Note: only standard manual tests will be imported (i.e. non template tests and without parameters).

Note: only HP QC/ALM v12.5x is supported.

Next

Back



### Please note

When you click Next, the connection is validated. If the connection fails, an error message is shown and you won't be able to proceed with the importation process.



Failed to connect to HP QC/ALM.

Upon a successful connection, you need to choose the project in which you want the Test issues to be created.

## Map projects

HP QC/ALM  
Details

Configuration

Project

Confirmation

### Project

Select the HP QC/ALM Importer projects to import, then set how you would like these converted to projects in JIRA.

HP QC/ALM Importer Project

JIRA Project

project



Calculator

Next

Back

When the target project is chosen, you will be prompted to provide some additional configuration fields that allow you to fine tune the process.

Configuration

HP QC/ALM Details

Project

Configuration

Confirmation

Configuration

A label can be associated to issues created while importing HP QC/ALM. For that, fill the next text field.

Label

iteration1|

Hierarchical Test Organization

☒ Import to Test Repository

By selecting this option, Folders will be created in the Test Repository and the imported Tests will be moved to those folders to match the hierarquical structure in HP QC/ALM.

Test Repository Path

All

Select to which Test Repository folder you would like to import the HP QC/ALM folder structure.

HP QC Folder

Select a specific folder from your HP QC host to import. Only the specified folder and its subfolders, and test contained in them will be imported. The folder path must be specied in the format "Parent Folder/Child Folder"

Next

Back

#### Configuration options:

- **Label:** a unique label to add to the Test issues that will be created so these can be quickly found afterwards
- **Hierarchical Test Organization:** migrate hierarchical information from HP ALM/QC's "Test Plan" to Xray's Test Repository. Folders will be created, if needed, in the Test Repository and Tests will be moved to the folders.



#### Please note

To have this option available, you must be able to, at least, access the target project (i.e., browse permission), the [Hierarchical Test Organization](#) must be enabled in Xray settings, and:

- have one of the project roles configured on the default Xray global permission for the [Hierarchical Test Organization](#) in Xray settings.
- Or
- have the [Create folders](#) and [Move issues](#) user [Xray Test Repository Permissions](#) configured on the Project Permission Scheme of the target project

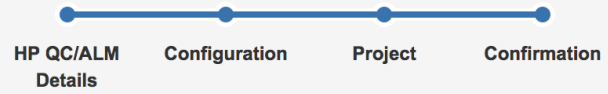
- **Test Repository Path:** the base Test Repository folder where ALM/QC's "Test Plan" hierarchical structured will be copied into. If "All" is selected, then the structure will be created in root of the Test Repository - this field is only displayed if the **Hierarchical Test Organization** option is checked.
- **HP QC Folder:** the base folder where to import Tests from. Only the specified ALM/QC's "Test Plan" folder and its subfolders, along with respective Test cases, will be imported. Folder path must be specified in the format "/Parent Folder/Child Folder"; leave it empty to import all folders. In the case of folders with similar names, make sure to use the full path of the folder. For instance, having 2 folders with the following paths (1: /base\_folder, 2: /automated/base\_folder), make sure to use full path in this field (/base\_folder or /automated/base\_folder)

We recommend using a unique label with numbers to assign the Test issues that will be created. This may be quite useful if you need a quick way to identify the newly created issues. The label syntax is restricted in the same way as label fields in Jira.

A final confirmation dialog presents information about the total number of Tests that will be imported.

This number may be lower than the actual number of Test issues that will be created; this occurs because Xray will only be able to import some of the tests, depending on their characteristics which can only be determined during the actual importation.

# Confirmation



## Confirmation

We found 7 potential tests in project test\_project in domain TEST\_DOMAIN. Do you want to migrate the compatible ones?

[Begin Import](#) [Back](#)

At the end, a brief summary is shown mentioning the total number of Test issues created and any warnings that occurred during the process.

✓ 3 tests were imported successfully!

⚠ **Import completed with 1 warnings:**  
• HP QC/ALM Test with id 16 has Description blank.

What now?

You can download a detailed log [here](#).

View recently created [Issues](#).

[Import another project](#).

From this screen, you can also see the list of created issues based on the label you provided. You can also consult the detailed logs about the process.

JIRA

Dashboards

Projects

Issues

Boards

Structure

easyBI

Tests

Create

>>

Search

Save as

✓ labels=iteration1

1-3 of 3

T	Key	Summary	P	Status	Created
	CALC-1559	novo_teste		NEW	25/Oct/17
	CALC-1558	Credit Cards		NEW	25/Oct/17
	CALC-1557	Test_Test		NEW	25/Oct/17

1-3 of 3