

# [Xray] How to create a use a parameterized project in Jenkins

Sometimes, it is useful/necessary to turn the builds in Jenkins more flexible/dynamic. For that, in the Jenkins job, you can configure it as a parameterized project.

## Example using a Freestyle project and a multipart endpoint

- Create a freestyle project
- In the job configuration page check the option "This project is parameterized" and click in the option "Add Parameters". There is a drop-down option to configure parameterized build options (like a boolean attribute, or a string attribute).
- Example:

The screenshot shows the Jenkins job configuration page for a Freestyle project. The 'General' tab is selected. The checkbox 'This project is parameterized' is checked. Below it, two 'String Parameter' sections are visible. The first parameter has a name field and a description field. The second parameter has a name field with the value 'ProjectKey' and a description field. At the bottom, there are 'Save' and 'Apply' buttons, and an 'Add Parameter' button with a dropdown arrow.

- In the previous example, I just have created two parameters that will be used to define the description of the Test Execution and in which project the new Test Execution will be created based in the parameters that will be passed when running the job.
- In the Post-Build: Xray: Results Import task, you configure where the parameters will be read and used, using the syntax `${parametername}` (`${Description}` and `${ProjectKey}`)

The screenshot shows the 'Xray: Results Import Task' configuration page. The 'Jira Instance' is set to 'Docker2' and the 'Format' is 'JUnit XML multipart'. Under the 'Parameters' section, the 'Import to Same Test Execution' checkbox is unchecked. The 'Execution Report File (file path with file name)' is set to 'JUnit2.xml'. The 'Test Execution fields' dropdown is set to 'JSON Content'. A text area shows a JSON snippet with fields 'project' (key: `${ProjectKey}`) and 'description' (value: `${Description}`). At the bottom, there are 'Save' and 'Apply' buttons.

- Save it
- Now you will notice that the "Build Now" text has changed to "Build Now with Parameters", and clicking on the link provides you the option to set those parameters for the build. Example:

**Jenkins**

Jenkins > JUnit2

- Voltar para o Dashboard
- Estado
- Alterações
- Workspace
- Build with Parameters**
- Eliminar Project
- Configurar
- Rename

## Project JUnit2

This build requires parameters:

Description	Description for the parameterized project in Jenkins
ProjectKey	CALC

**Build**

- 
- Console Output in Jenkins

Retroceder ao Projeto

Estado

Mudanças

**Console Output**

View as plain text

Editar informações da compilação

Delete build #24

Parameters

Prevenir construção

## Consola

Started by user unknown or anonymous

Running as SYSTEM

Building in workspace C:\Program Files (x86)\jenkins\workspace\JUnit2

Starting XRAY: Results Import Task...

```
#####
### Xray is importing the Feature Files ###
#####
Starting to import results from JUnit2.xml
Response: (200) {"testExecIssue":{"id":"12648","key":"CALC-2253","self":"http://cda-support-docker:7221/rest/api/2/issue/12648"}}
Successfully imported JUnit XML multipart results from JUnit2.xml
XRAY_ISSUES_MODIFIED: CALC-2253
XRAY_TESTS:
XRAY_TEST_EXECS: CALC-2253
XRAY_IS_REQUEST_SUCCESSFUL: true
XRAY_RAW_RESPONSE: {"testExecIssue":{"id":"12648","key":"CALC-2253","self":"http://cda-support-docker:7221/rest/api/2/issue/12648"}}
Finished: SUCCESS
```

- 
- New Test Execution created in Jira (CALC-2253)

Calculator CALC-2253

## Test Execution for Execution

Edit Comment Assign More Start Progress Resolve Issue Close Issue Admin

**Details**

Type: Test Execution

Priority: Lowest

Affects Version/s: None

Component/s: None

Labels: Android label1

Test Plan: None

Test Environments: None

Test required: Test

Status: **Open** (View Workflow)

Resolution: Unresolved

Fix Version/s: None

**Description**

Description for the parameterized project in Jenkins

**Tests**

Overall Execution Status

1 PASS 1 FAIL

Total Tests: 2

Filter

Apply Rank

Rank	Key	Summary	Test Type	#Req	#Def	Test Sets	Assignee	Status
2	BMP-3	XrayUnitImport	Generic	0	0			PASS
1	BMP-2	XrayUnitImport2	Generic	0	0			FAIL

Showing 1 to 2 of 2 entries

First Previous Next Last

## Related Documentation

- [Integration with Jenkins](#)