

Configuring Remote Jobs



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Context

Xray allows Project Managers to configure remote jobs triggers for their CI/CD platforms, Xray supports the following CI/CD platforms out-of-the-box:

- Jenkins
- Bamboo
- GitHub
- GitLab
- Azure DevOps

Remote Jobs Trigger

This page contains current configurations for remote jobs triggers

	Jenkins Please provide Jenkins Configuration details
	Bamboo Please provide Bamboo Configuration details
	GitHub Please provide GitHub Configuration details
	GitLab Please provide GitLab Configuration details
	Azure DevOps Please provide Azure DevOps Configuration details

Configuration page

Under "Project settings" page, a new option is available on "Xray Settings" group, named "Remote Jobs Trigger"

Create configuration

Users can create up to 10 CI/CD configurations at project level, and from those select 6 that would be available on the Test Execution/Test Plan issue type.

1

Access "Remote Jobs Trigger" option on Project settings:

Notifications

Project links

Xray Settings

Test Step Custom Fields

Test Run Custom Fields


Parameter Values Lists

Remote Jobs Trigger

Document Generator

Development tools

Issue collectors



Azure DevOps
Please provide Azure DevOps Configuratio

2

Select the desired CI/CD platform to use by selecting "Enable..." configuration on the right. This step is needed only once and you can have only one CI/CD tool selected at a given time.

Remote Jobs Trigger

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Jenkins

Please provide Jenkins Configuration details



Disable Jenkins Configuration

Jenkins Configurations

New Jenkins Configuration

Configuration Name	Job Name	Last Update	Status	Actions
Remote Job 1	ddd	07 February 2023		...
Remote Job 2	testing	07 February 2023		...
App V2 build	Celestial demo	07 February 2023		...

3

Click the button "New Jenkins Configuration" to create a new configuration:

Remote Jobs Trigger

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Jenkins

Please provide Jenkins Configuration details



Disable Jenkins Configur

Jenkins Configurations

New Jenkins Configur

Configuration Name	Job Name	Last Update	Status	Actions
Remote Job 1		07 February 2023		...
Remote Job 2		07 February 2023		...

4

The new configuration screen will be displayed, and you can fill in the input field regarding your CI/CD platform.

 Be aware that the fields may differ according to the CI/CD platform selected, but there are a few that are mandatory and cross CI/CD platforms.

Generic fields:

- **Configuration Name (Mandatory)** - Name of the configuration; this is the reference that will be used on Test Plan/Test Execution on the "Trigger Build" option;
- **Parameters (optional)** - The list of key/value parameters that you might have defined on your build and want to pass from Xray. To add more parameters, click the option "Add" option to have a new Key/Value added to the list. Click the "x" option to remove parameters right after the Key/Value row.

You may also use the following options to add to the parameter value regarding Xray entities:

- `${ISSUE_KEY}` - this will be replaced with the issue key that the user is triggering the build from;
- `${TESTS_KEY}` - this value will then be replaced with a comma-separated string of test keys part of the issue the user is triggering the build from;
- `${PROJECT_KEY}` - this value will then be replaced with the project key;
- `${USER}` - this value will then be replaced with logged user triggering the build.

Parameters(optional)


ISSUE_KEY	<code>\${ISSUE_KEY}</code>	×
PROJECT_KEY	<code>\${PROJECT_KEY}</code>	×
USER	<code>\${USER}</code>	×
TESTS_KEY	<code>\${TESTS_KEY}</code>	×

 Add

CI/CD specific fields:

- Jenkins:
 - **Job Name (Mandatory)** - Exact job name defined on your Jenkins instance;
 - **API Token (Mandatory)** - API token defined on Jenkins for this specific job;
 - **Username (Mandatory)** - Jenkins user ID/name;
 - **API URL (Mandatory)** - Jenkins endpoint URL: e.g., `jenkins.cloud.getxray.app/`
 - **Password (Mandatory)** - Jenkins user password

Edit Jenkins Configuration

Configuration Name*	<input type="text" value="iOS Remote Job"/>
Job Name*	<input type="text" value="job_name"/>
API Token*	<input type="text" value="API_token"/>
Username*	<input type="text" value="admin"/>
API URL*	<input type="text" value="jenkins.cloud.getxray.app/"/>
Password*	<input type="text" value="admin"/>
Parameters(optional)	
Version	<input type="text" value="A"/> ×
 Add	

Cancel

Save

- Bamboo:
 - **Plan key (Mandatory)** - Exact job name defined on your Jenkins instance;
 - **API URL (Mandatory)** - Bamboo endpoint URL. e.g., bamboo.cloud.getxray.app
 - **Username (Mandatory)** - Bamboo username;
 - **Password (Mandatory)** - Bamboo user password;
 - **Project Key (Mandatory)** - Exact Bamboo project key

Edit Bamboo Configuration

Configuration Name*

Plan key*

API URL*

Username*

Password*

Project Key*

Parameters(optional)

[+ Add](#)

[Cancel](#) [Save](#)

- GitHub:
 - **Repository Name (Mandatory)** - Exact repository name;
 - **Workflow Id (Mandatory)** - The desired workflow Id you want to use from your repository;
 - **Username (Mandatory)** - GitHub username;
 - **API URL (Mandatory)** - GitHub endpoint URL. e.g., api.github.com
 - **Branch Name (Mandatory)** - Repository branch name you want to trigger the build;
 - **Authentication Token (Mandatory)** - GitHub Authentication token.

Edit GitHub Configuration

Configuration Name*

Repository Name*

Workflow Id*

Username*

API URL*

Branch Name*

Authentication Token*

Parameters(optional)

[Cancel](#) [Save](#)

- GitLab:
 - **Branch Name (Mandatory)** - Exact GitLab branch name;
 - **API Token (Mandatory)** - GitLab API token;

- **Username (Mandatory)** - GitLab username;
- **API URL (Mandatory)** - GitLab endpoint URL. e.g., gitlab.com
- **Project Id (Mandatory)** - GitLab project Id you want to trigger the build;
- **Authentication Token (Mandatory)** - GitLab Authentication token.

Edit GitLab Configuration

Configuration Name*

Gitlab Configuration

Branch Name*

master

API Token*

Username*

Jk

API URL*

gitlab.com

Project Id*

Authentication Token*

Parameters(optional)

Cancel

Save

- Azure DevOps:
 - **Repository Name (Mandatory)** - Exact repository name;
 - **Username (Mandatory)** - Azure DevOps username;
 - **API URL (Mandatory)** - Azure DevOps endpoint URL. e.g., dev.azure.com
 - **Branch Name (Mandatory)** - Exact Azure DevOps branch name;
 - **Pipeline Id (Mandatory)** - Exact Azure DevOps branch name;
 - **Authentication Token (Mandatory)** - Azure DevOps Authentication token.

Edit Azure DevOps Configuration

Configuration Name*

Azure configuration

Repository Name*

xray project

Username*

API URL*

dev.azure.com

Branch Name*

main

Pipeline Id*

1

Authentication Token*

Parameters(optional)

Cancel

Save



Click "Save" to store your new configuration.

Edit configuration

To edit an existing configuration, follow the following steps:

1

Select "Edit" on the Actions column options dropdown:

Remote Jobs Trigger

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Jenkins

Please provide Jenkins Configuration details

☒ Disable Jenkins C

Jenkins Configurations

New Jenkins Cor

Configuration Name	Job Name	Last Update	Status	Actions
Remote Job1	ddd	08 February 2023	<input type="checkbox"/>	...
Remote Job 2	testing	07 February 2023	<input type="checkbox"/>	Edit Delete
App V2 build	Celestial demo	07 February 2023	<input type="checkbox"/>	...

2

The configuration screen will be displayed, allowing you to make your changes.

3

Click "Save" to submit your changes.

Delete configuration

To delete a configuration, head over to the Actions column options dropdown and select "Delete."

Remote Jobs Trigger

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Jenkins

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☒ Disable Jenkins Configuration

Jenkins Configurations

New Jenkins Configuration

Configuration Name	Job Name	Last Update	Status	Actions
Remote Job1	ddd	08 February 2023	<input checked="" type="checkbox"/>	...
Remote Job 2	testing	07 February 2023	<input type="checkbox"/>	Edit Delete
App V2 build	Celestial demo	07 February 2023	<input type="checkbox"/>	...

Change configuration status

At any given moment, you can change the configuration status; for that, you need to change the switch on the column "Status."

The status defines if the configuration will be shown to the tester on the Test Plan or Test Execution issue; if set to active, you can have as up to 6 configurations displayed.

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☒ Disable Jenkins Configuration

Jenkins Configurations

New Jenkins Configuration

Configuration Name	Job Name	Last Update	Status	Actions
Remote Job1	ddd	08 February 2023	<input checked="" type="checkbox"/>	...
Remote Job 2	testing	07 February 2023	<input type="checkbox"/>	...

Active Configuration Limit Reached

You have reached the maximum allowed active trigger configurations.

OK

You can only have 6 configurations with the status "enabled" at a given time; once you reach this limit, the system will display a message informing the user regarding that.