

# Codefresh Plugin

## Plugin Information

View Codefresh Integration [on the plugin site](#) for more information.



The current version of this plugin may not be safe to use. Please review the following warnings before use:

- [SSL/TLS certificate validation globally and unconditionally disabled](#)



Allows integrating [Codefresh](#) docker flow pipelines into your existing Jenkins flows.

## Features:

- Define Codefresh account details (currently limited to a single account)
- Trigger Codefresh pipelines as a build step in Jenkins jobs
  - Codefresh Pipeline ID is concluded automatically from the git repository URL (if git SCM is used in the job)
  - Another Codefresh pipeline can be selected instead.
  - Pass environment variables from Jenkins to Codefresh.
  - Codefresh build logs are presented on Jenkins console output page.
- A badge with Codefresh build status and a link to Codefresh build page is shown for each build.
- Launch Codefresh composition environments.
  - Pass environment variables from Jenkins to Codefresh.
  - Codefresh environment launch logs are presented on Jenkins console output page.
- A badge with environment URL shown in build history.
- Triggered build URL available as Jenkins env variable - CODEFRESH\_BUILD\_URL.
- Launched environment URL available as Jenkins env variable - CODEFRESH\_ENV\_URL (for subsequent testing).
- Ability to terminate Codefresh environment as post-build action.
- Jenkins Pipeline DSL support : [codefresh step reference](#)

## Upcoming features:

- Display environment status (running/stopped) and link on Jenkins UI.
- Live log streaming (currently the logs are presented after Codefresh process finishes)
- Enhanced Codefresh docker image tagging from Jenkins pipeline.

## Getting Started:

- Define the connection to Codefresh in Jenkins system config (Manage Jenkins->Configure system-> scroll down to find '*Define Codefresh Integration*'). This requires filling out your user name and Codefresh auth token. You can verify the authentication by using the '*Test Connection*' button.

To find your auth token:

- Log in to Codefresh and then open <https://g.codefresh.io/api/> in another tab of the same browser.
- Copy your token from the right-hand text field on the Swagger header.

Screenshot:

**Codefresh Integration**

User  ⓘ

Enter Codefresh user name

Token  ⓘ

Enter Codefresh authorization token

- Trigger Codefresh pipeline execution from your freestyle Jenkins jobs:

- 'Add Build Step' -> 'Run Codefresh Pipeline'
- By default - this will trigger the pipeline that corresponds to the git repo defined in the job's SCM configuration.
- If there's no SCM defined for current job or you would like to trigger a different service pipeline - check the 'Choose service to build' option. This will present you with drop-down selectable list of all your defined Codefresh pipelines.
- Check the 'Set Codefresh Pipeline Variables' option to pass environment variables to the pipeline execution.

Screenshot:

**Run Codefresh Pipeline**

Choose service to build

Choose Codefresh service:

Branch name (optional):

Set Codefresh Pipeline Variables

Variables

Variable	<input type="text" value="BUILD_NUMBER"/>
Value	<input type="text" value="\${BUILD_NUMBER}"/>

Once configured - the plugin will trigger Codefresh, run your tests and report the results. On job completion a Codefresh badge will appear next to the build execution. Clicking on it will take you to the build results page on Codefresh:

Build History		trend
<input type="text" value="find"/>		
<span style="color: red;">#9</span>	Jul 21, 2016 8:37 AM	<span style="color: red;">✖</span>
<span style="color: green;">#8</span>	Jul 21, 2016 8:37 AM	<span style="color: green;">✔</span>
<span style="color: green;">#7</span>	Jul 21, 2016 8:36 AM	<span style="color: green;">✔</span>

- Launch Codefresh composition environment:
  - Check the 'Launch a composition' option.
  - You will be presented with a drop-down selection list of all Docker compositions you have defined on Codefresh.
  - Choose one, save configuration and run the build.
  - Check the 'Set Codefresh Environment Variables' option to pass variables to the launched environment.
  - If composition launch is successful - the new environment URL will be printed to job console output and made available through a Codefresh green leaves badge on build history.

Screenshot

**Launch Codefresh Composition**

Choose composition to launch:

Set Codefresh Pipeline Variables

Variables

Variable	<input type="text" value="DEBUG"/>
Value	<input type="text" value="true"/>