

# View Cloner Plugin

## Plugin Information

View view-cloner [on the plugin site](#) for more information.

Jenkins plugin that adds a build step for cloning a view and jobs that are visible in it.

## Summary

View-cloner is a build step plugin that allows to copy a view and jobs visible in it. In the process of copying job names and configurations can be changed with supplied replacement pattern.

## Usage

1. Create a Freestyle Project and add "View clone" step.
2. Fill all 5 fields
  - a. Absolute url of the view (Absolute url to the view you want to clone)
  - b. New view name (Name of the view that will be created)
  - c. Replace pattern (Comma separated list of oldValue=newValue Example: 1.1-SNAPSHOT=1.2-SNAPSHOT, slave1=slave2, master=release\_19)
  - d. Username to authenticate with (user needs to have rights to job/view configs and job/view creation).
  - e. Password for the user
3. Save and Build.

If you have role based security it is advised to create the "view clone job" where simple users cant configure it.

NOTE: Views populated using regex are not supported (jobs will not be cloned)

## Examples

Example was done using Nested and Sectioned view plugins.

Original view

The screenshot shows a Jenkins view interface. At the top, there's a tab labeled 'Development-1.19'. Below it, a message says 'Life is good' with 'Happy day' underneath. A 'Build' section contains a table with columns: S, W, Name, Last Success, Last Failure, Last Duration, and a refresh icon. The table has one row: S (grey circle), W (sun icon), Name 'Build-1.19', Last Success 'N/A', Last Failure 'N/A', Last Duration 'N/A'. Below that is a 'Deployment' section with a similar table. It has two rows: the first with S (grey circle), W (sun icon), Name 'Deploy-development-1.19', Last Success 'N/A', Last Failure 'N/A', Last Duration 'N/A'; the second with S (grey circle), W (sun icon), Name 'Notify-the-world', Last Success 'N/A', Last Failure 'N/A', Last Duration 'N/A'. At the bottom left, there are icons for 'S M L'. At the bottom right, there are links for 'Legend', 'RSS for all', 'RSS for failures', and 'RSS for just latest builds'.

One of the jobs configuration

Project name

Description

[Plain text] [Preview](#)

Discard Old Builds ?

This build is parameterized ?

**String Parameter** ?

Name  ?

Default Value  ?

Description

[Plain text] [Preview](#) ?

Disable Build (No new builds will be executed until the project is re-enabled.) ?

Execute concurrent builds if necessary ?

Restrict where this project can be run ?

Label Expression  ?

[Label](#) is serviced by 1 node

▼

**Build**

**Execute shell** ?

Command

See [the list of available environment variables](#)

**Invoke top-level Maven targets** ?

Goals  ▼

POM  ?

Properties  ?

JVM Options  ▼ ?

Use private Maven repository  ?

Settings file  ▼ ?

Global Settings file  ▼ ?

View clone step

**Build**

**View clone**

Absolute url of the view

New view name

Replace pattern

Username

Password

[Delete](#)

[Add build step](#)

Execution

```

[Get view config]
Successfully acquired view config from http://localhost:8080/jenkins/view/Branches/view/Development-1.19/config.xml
[Get assigned jobs]
Jobs that are present in the view
Build-1.19
Deploy-development-1.19
Notify-the-world
[Get job configs]
Successfully acquired job config from http://localhost:8080/jenkins/job/Build-1.19/config.xml
Successfully acquired job config from http://localhost:8080/jenkins/job/Deploy-development-1.19/config.xml
Successfully acquired job config from http://localhost:8080/jenkins/job/Notify-the-world/config.xml
[Create jobs]
Job Deploy-QA-1.20 created
Job Build-1.20 created
Job with name Notify-the-world already exists
[Create view]
Created view http://localhost:8080/jenkins/view/Branches/view/QA-1.20
    
```

View view

Development-1.19 **QA-1.20** +

**Life is good**

Happy day

**Build**

S	W	Name ↓	Last Success	Last Failure	Last Duration
		<a href="#">Build-1.20</a>	N/A	N/A	N/A

**Deployment**

S	W	Name ↓	Last Success	Last Failure	Last Duration
		<a href="#">Deploy-QA-1.20</a>	N/A	N/A	N/A
		<a href="#">Notify-the-world</a>	N/A	N/A	N/A

Icon: [S](#) [M](#) [L](#)

[Legend](#)
[RSS for all](#)
[RSS for failures](#)
[RSS for just latest builds](#)

One of the jobs new configuration

Project name

Description

[Plain text] [Preview](#)

Discard Old Builds ?

This build is parameterized ?

String Parameter ?

Name  ?

Default Value  ?

Description

[Plain text] [Preview](#)

Delete

Add Parameter ▼

Disable Build (No new builds will be executed until the project is re-enabled.) ?

Execute concurrent builds if necessary ?

Restrict where this project can be run ?

Label Expression  ?

[Label](#) is serviced by 1 node

**Build**

**Execute shell** ?

Command `echo "This build is for QA packaging"`  
`hg clone https://myserver/hg/myproject -b ${BRANCH_NAME} || hg pull https://myserver/hg/myproject -b ${BRANCH_NAME}`  
...

[See the list of available environment variables](#)

Delete

**Invoke top-level Maven targets** ?

Goals `deploy:deploy` ▼

POM `abc/pom.xml` ?

Properties `app=build` ?

JVM Options `-Xmx 2048` ▼ ?

Use private Maven repository  ?

Settings file `Use default maven settings` ▼ ?

Global Settings file `Use default maven global settings` ▼ ?

Delete

## Changelog

1.1 initial release

## TO DO

- Add ability to clone from remote Jenkins instances.
- Add support for views populated with regex.
- Allow variables in step configuration