

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 one row: 'Build-1.19' with 'N/A' for both 'Last Success' and 'Last Failure'. A 'Deployment' section contains a table with two rows: 'Deploy-development-1.19' and 'Notify-the-world', both with 'N/A' for 'Last Success' and 'Last Failure'. At the bottom, there are icons for 'S M L' and several RSS feed links: '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](#) ?

[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

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

[Delete](#)

Invoke top-level Maven targets ?

Goals ▼

POM ?

Properties ?

JVM Options ▼ ?

Use private Maven repository ?

Settings file ▼ ?

Global Settings file ▼ ?

[Delete](#)

View clone step

Build

View clone

Absolute url of the view

New view name

Replace pattern

Username

Password

User to authenticate with

Password for the user

[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	
●	☀	Build-1.20	N/A	N/A	N/A	

Deployment

S	W	Name ↓	Last Success	Last Failure	Last Duration	
●	☀	Deploy-QA-1.20	N/A	N/A	N/A	
●	☀	Notify-the-world	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