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# Pipeline Snippet Generator

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### Overview

Jenkins Pipeline Snippet Generator is a very useful piece of "Dynamic Documentation".

Jenkins, and it's associated plugins, all register their methods with the Snippet Generator as templates which you can use to build code snippets for your Pipelines in a kind of What You See Is What You Get kind of environment.

As it is dynamic it is constantly being updated when you add new plugins or make changes to existing Pipelines.

It is most commonly used as a reference source for when you can't quite remember the syntax of various commands or their parameters, but is equally good for exploring the capabilities of your Jenkins server and finding new methods provided by plugins.

Your particular Pipeline Snippet Generator can be found:

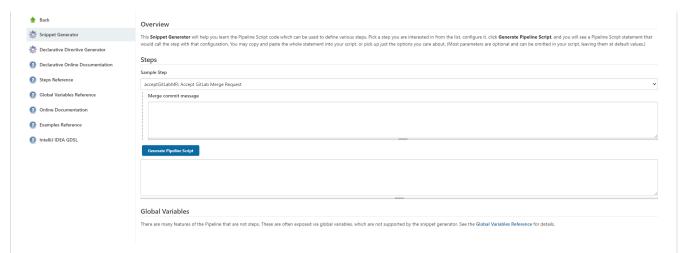
```
${YOUR_JENKINS_URL}/pipeline-syntax
```

Or you can access a Project Specific one via the Pipeline Syntax link below the Pipeline > Script input when creating/editing a Pipeline.

```
Pipeline
Definition
 Pipeline script
   Script
      1 → pipeline {
      3 ▼
             options {
             skipStagesAfterUnstable()
            stages {
              stage('Build') {
      7 -
                    agent { label 'agent1' }
                     steps {
                        echo '----- B
                         checkout([$class: 'GitS
      11
                         sh 'javac HelloWorld.ja
      13
                             iar cyfe HelloWo
                         archiveArtifacts artifa
      15
                         sh 'sleep 15'
      16
      17
   Use Groovy Sandbox
   Pipeline Syntax
```

This will take you to a form where you can explore the various methods at your disposal:

# Jenkins Introduction Jenkins Pipeline Jenkins Agents Pipeline Pipeline Snippet Generator Credentials Markdown IDE Cheatsheet



Here we can use the Sample Step drop down select to change the underlying form template and generate various snippets.

For instance, by selecting dir: Change current directory you are given a Path input box which you can provide with something like

\$JENKINS\_HOME/jobs/\$JOB\_NAME/builds/\$BUILD\_NUMBER/archive which would generate:

```
dir('$JENKINS_HOME/jobs/$JOB_NAME/builds/$BUILD_NUMBER/archive') {
    // some block
}
```

// some block is a comment where you would put whatever steps you want to run within the specified directory.

Notice, however, that this isn't:

cd \$JENKINS\_HOME/jobs/\$JOB\_NAME/builds/\$BUILD\_NUMBER/archive

It's important to remember that these are Jenkins Methods (i.e. you are instructing Jenkins directly to change dir) and not Shell Commands.

There is a way, however, to specify a Jenkins Method that runs Shell Commands using the sh: Shell Script or script: Run arbitrary Pipeline script methods.

## **Tutorial**

There is no tutorial for this module.

### **Exercises**

There are no exercises for this module.