

Jenkins Cheatsheet

Connection

Browser Access

Navigate to `http://[jenkins-server-url]:[port]`

CLI Connection

```
java -jar jenkins-cli.jar -s http://[jenkins-server-url]:[port] -auth username:password
```

SSH Connection

```
ssh -l username -p [ssh-port] [jenkins-server-url]
```

Job Management

List Jobs

```
jenkins-cli.jar list-jobs
```

Create Job

```
jenkins-cli.jar create-job [job-name] < config.xml
```

Delete Job

```
jenkins-cli.jar delete-job [job-name]
```

Copy Job

```
jenkins-cli.jar copy-job [source-job] [target-job]
```

Enable Job

```
jenkins-cli.jar enable-job [job-name]
```

Disable Job

```
jenkins-cli.jar disable-job [job-name]
```

Build Operations

Start Build

```
jenkins-cli.jar build [job-name]
```

Start Parameterized Build

```
jenkins-cli.jar build [job-name] -p key=value
```

Stop Build

```
jenkins-cli.jar stop-builds [job-name]
```

Console Output

```
jenkins-cli.jar console [job-name] [build-number]
```

Node Management

List Nodes

```
jenkins-cli.jar get-nodes
```

Add Node

```
jenkins-cli.jar create-node [node-name] < node.xml
```

Delete Node

```
jenkins-cli.jar delete-node [node-name]
```

Connect Node

```
jenkins-cli.jar connect-node [node-name]
```

Disconnect Node

```
jenkins-cli.jar disconnect-node [node-name]
```

Plugin Management

List Plugins

```
jenkins-cli.jar list-plugins
```

Install Plugin

```
jenkins-cli.jar install-plugin [plugin-name]
```

Update Plugins

```
jenkins-cli.jar install-plugin [plugin-name] -deploy
```

Safe Restart

```
jenkins-cli.jar safe-restart
```

Pipeline Operations

Validate Pipeline

```
jenkins-cli.jar declarative-linter < Jenkinsfile
```

Pipeline Steps Reference

```
http://\[jenkins-server-url\]:\[port\]/pipeline-syntax/
```

Get Pipeline Snippet

```
http://\[jenkins-server-url\]:\[port\]/pipeline-syntax/snippet-generator/
```

System Administration

Reload Configuration

```
jenkins-cli.jar reload-configuration
```

Quiet Down

```
jenkins-cli.jar quiet-down
```

Cancel Quiet Down

```
jenkins-cli.jar cancel-quiet-down
```

Restart Jenkins

```
jenkins-cli.jar restart
```

Shutdown Jenkins

```
jenkins-cli.jar shutdown
```

Security Management

Who Am I

```
jenkins-cli.jar who-am-i
```

Generate API Token

```
User → Configure → API Token → Add new Token
```

Manage Credentials

```
http://\[jenkins-server-url\]:\[port\]/credentials/
```

Groovy Scripts

Execute Groovy

```
jenkins-cli.jar groovy [script-file]
```

Groovy Console

```
http://\[jenkins-server-url\]:\[port\]/script
```