**JENKINS CLI**

We can install plug-in using Jenkins CLI as well, for that we need to download jar file.

**http://<instance Public IP:<PORT>/cli**

[**http://13.235.246.87:8080/cli/**](http://13.235.246.87:8080/cli/)

We need to download **jenkins-cli.jar** file

Go to the folder where jar file (**jenkins-cli.jar file**) available in local

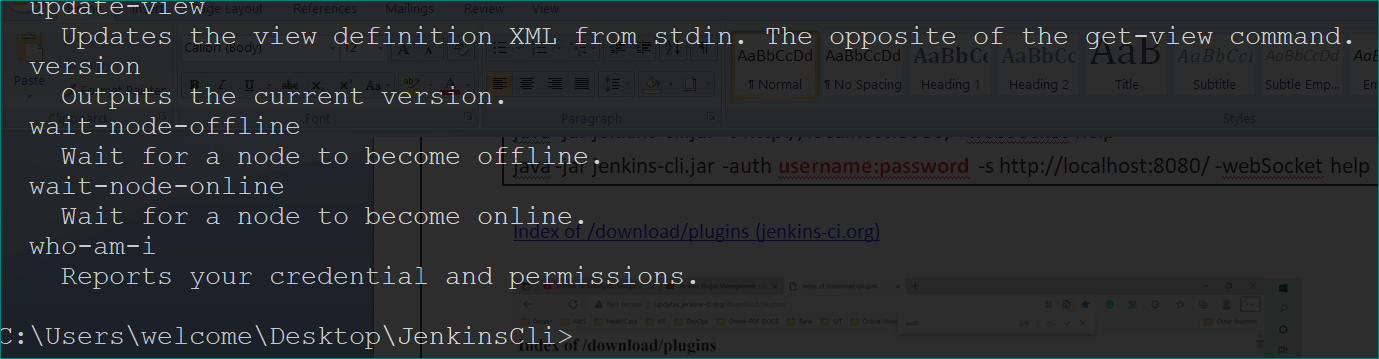
Using Jenkins CLI, we can connect the Jenkins Server programmatically

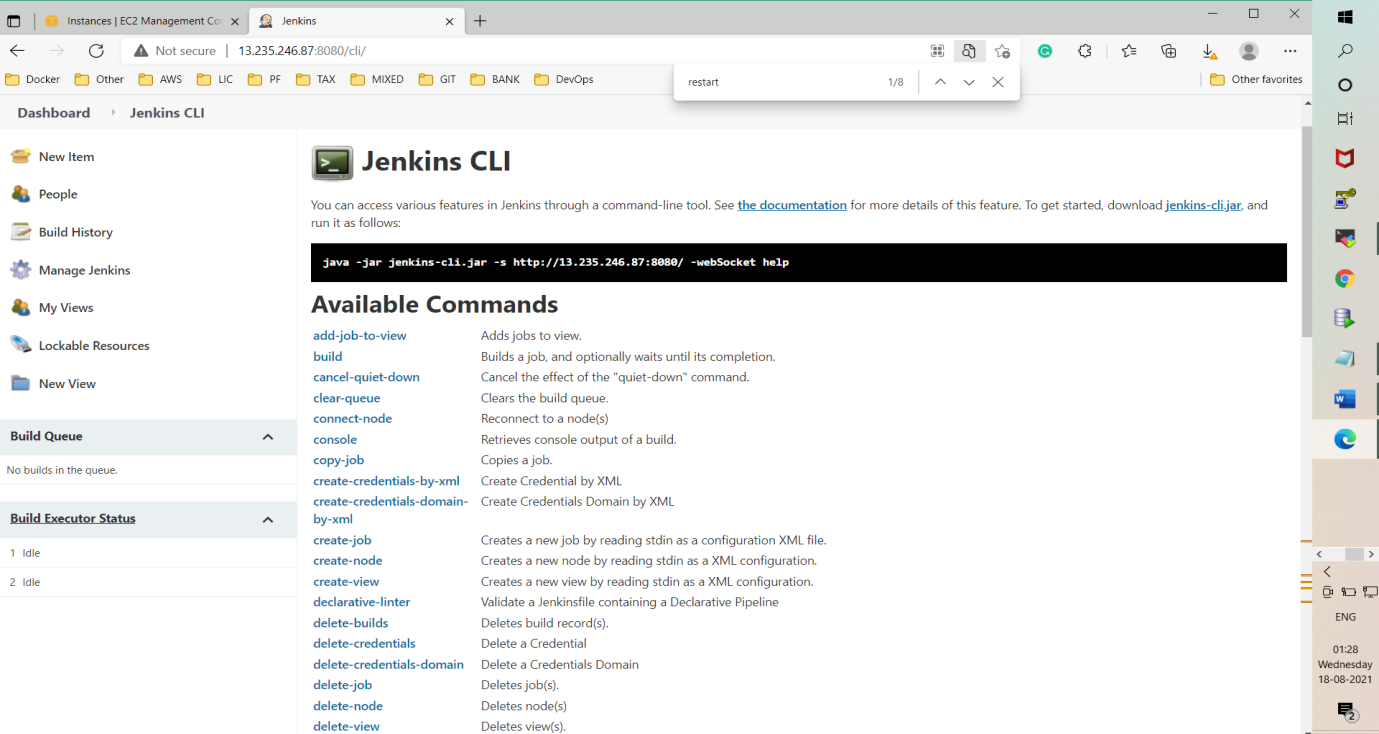
Whatever activity we are doing using Jenkins GUI same thing we can achieve using Jenkins CLI

If we want to work with JenkinsCLI we have to down load below Jar file

java -jar jenkins-cli.jar -s http://localhost:8080/ -webSocket **help**

java -jar jenkins-cli.jar -auth **username:password** -s http://localhost:8080/ -webSocket **help**

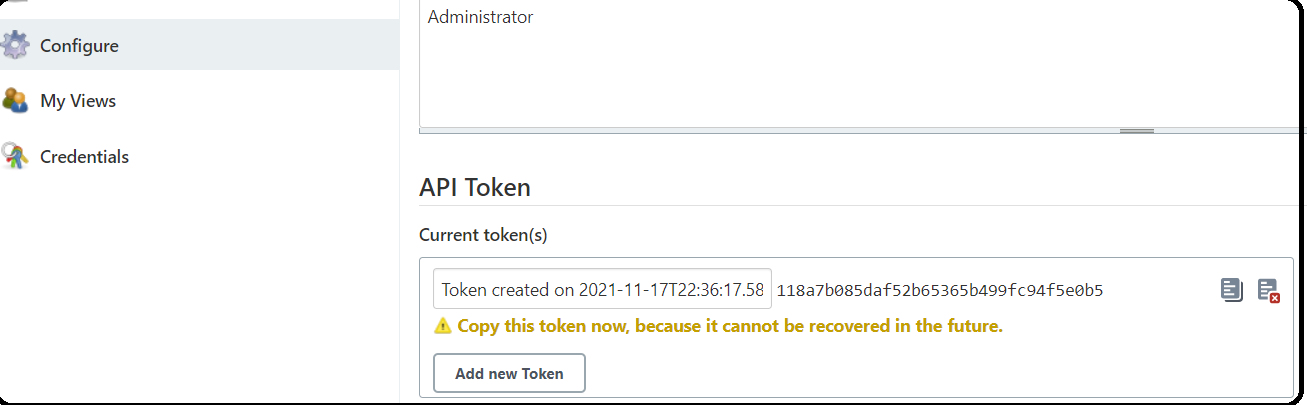




Instead of password we can use the **TOKEN**

**Manage Jenkins 🡪 Manage Users 🡪 list of users will display**

**Click on user 🡪 Configure🡪API Token**



java -jar jenkins-cli.jar -auth **username:TOKEN** -s http://localhost:8080/ -webSocket **help**

**Few commands**

java -jar jenkins-cli.jar -auth admin:118a7b085daf52b65365b499fc94f5e0b5 -s http://localhost:8080/ -webSocket **list-jobs**

java -jar jenkins-cli.jar -auth admin:118a7b085daf52b65365b499fc94f5e0b5 -s http://localhost:8080/ -webSocket **delete-job** name

**name :name of the job to delete**

java -jar jenkins-cli.jar -auth admin:118a7b085daf52b65365b499fc94f5e0b5 -s http://localhost:8080/ -webSocket **delete-job VAL..**

**val = Name of the job(s) to be deleted**

java -jar jenkins-cli.jar -auth admin:118a7b085daf52b65365b499fc94f5e0b5 -s http://localhost:8080/ -webSocket **version**

java -jar jenkins-cli.jar -auth admin:118a7b085daf52b65365b499fc94f5e0b5 -s http://localhost:8080/ -webSocket **who-am-i**

java -jar jenkins-cli.jar -auth admin:118a7b085daf52b65365b499fc94f5e0b5 -s http://localhost:8080/ -webSocket **safe-restart**

java -jar jenkins-cli.jar -auth admin:118a7b085daf52b65365b499fc94f5e0b5 -s http://localhost:8080/ -webSocket **restart**

java -jar jenkins-cli.jar -auth admin:118a7b085daf52b65365b499fc94f5e0b5 -s http://localhost:8080/ -webSocket **shutdown**

**create-job**

java -jar jenkins-cli.jar -s http://localhost:8080/ -webSocket **get-job** **BuildWithParameterized-Demo** > **dump.xml**

java -jar jenkins-cli.jar -s http://localhost:8080/ -webSocket **create-job Automatejob < dump.xml**

**dump.xml 🡪** Any name we can give

java -jar jenkins-cli.jar -s http://localhost:8080/ -webSocket **enable-job** Automatejob

java -jar jenkins-cli.jar -s http://localhost:8080/ -webSocket **disable-job** Automatejob

**Jenkins.properties**

#Jenkins server details

JENKINS\_USERNAME=admin

JENKINS\_TOKEN=1138826d8aeea612a16c0f8fd529f6e4a5

JENKINS\_URL=http://3.7.248.83:8181/

**JenkinsTriggered.sh**

**#read input value from keyboard**

echo "Enter triggered value"

read **value**

**#reading details from properties files and -f2 is field 2 value**

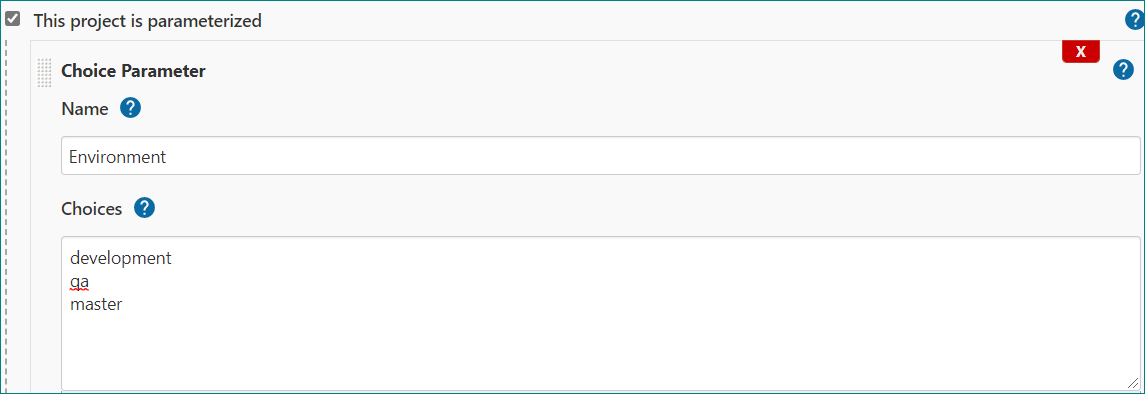
userName=`grep JENKINS\_USERNAME Jenkins.properties | cut -d "=" -f2`

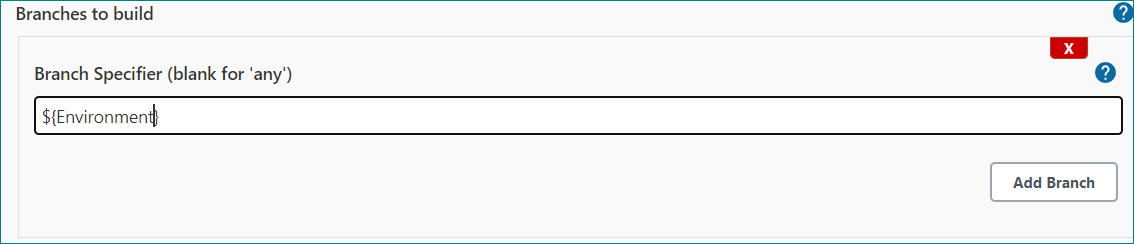
token=`grep JENKINS\_TOKEN Jenkins.properties | cut -d "=" -f2`

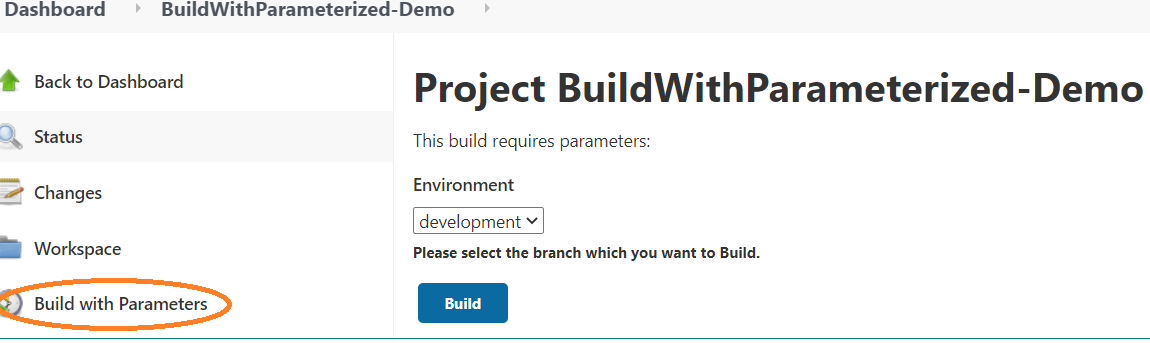
url=`grep JENKINS\_URL Jenkins.properties | cut -d "=" -f2`

java -jar jenkins-cli.jar -auth $userName:$token -s $url -webSocket **$value**

**BuildWithParameter:**







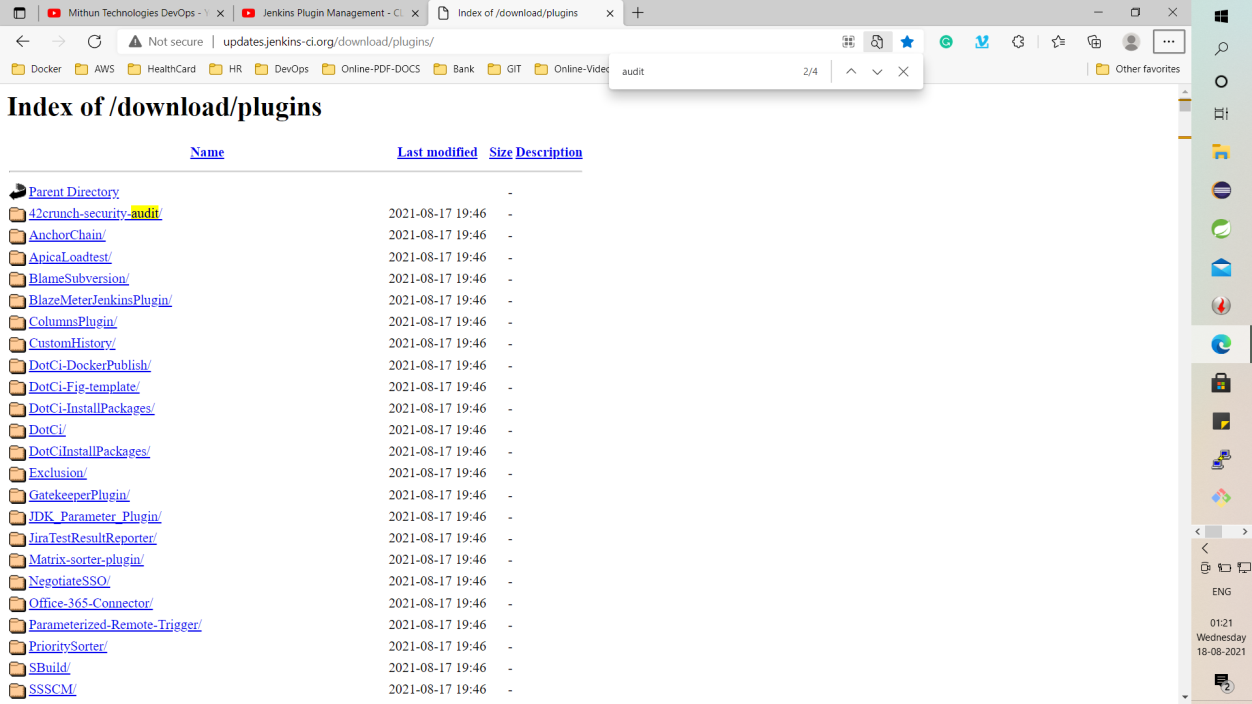
Click on **Build**



**Using JenkinsCLI:**

java -jar jenkins-cli.jar -s http://localhost:8080/ -webSocket **build** **BuildWithParameterized-Demo** -v -f -p **Platform**="Linux" -p **Branch\_name="**development"

[Index of /download/plugins (jenkins-ci.org)](http://updates.jenkins-ci.org/download/plugins/)



We can get plug-in url from above site

Example if we want to install audit-logs

<http://updates.jenkins-ci.org/download/plugins/audit-log/>

**command for install audit-log form Jenkins CLI:**

***java -jar jenkins-cli.jar -s "http://<public-IP>:<PORT>" -auth "username:password" install-plugin*** [**http://updates.jenkins-ci.org/download/plugins/audit-log/1.0/audit-log.hpi**](http://updates.jenkins-ci.org/download/plugins/audit-log/1.0/audit-log.hpi)

once install done, we have restart the Jenkins server form CLI

**restart from CLI**

java -jar jenkins-cli.jar -s "http://<public-IP>:<PORT>" -auth "username:password" **restart**

Once restart done, we can login and verify audit-log plugin install or not.