Project - 7

Project Title: Project-DevOps-Jenkins-Installation and Configuration on Linux

1. Launch an LINUX EC2 & Instance Installed Java

2. Use the official Jenkins repo from this link - Redhat Jenkins Packages

```
sudo wget -O /etc/yum.repos.d/jenkins.repo
https://pkg.jenkins.io/redhat-stable/jenkins.repo

sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io.key
```


i-0ab66c2dabadaf81b (tomcat_jenkins_Linux)

Public IPs: 3.138.126.16   Private IPs: 172.31.10.29

3. Now it's time to install **Jenkins**
Run the following command to install Jenkins
```
yum install jenkins
```

Also start the Jenkins service and check its status as **running** by executing this command,

```
service jenkins start
service jenkins status
```

i-0ab66c2dabadaf81b (tomcat_jenkins_Linux)

Public IPs: 3.138.126.16   Private IPs: 172.31.10.29
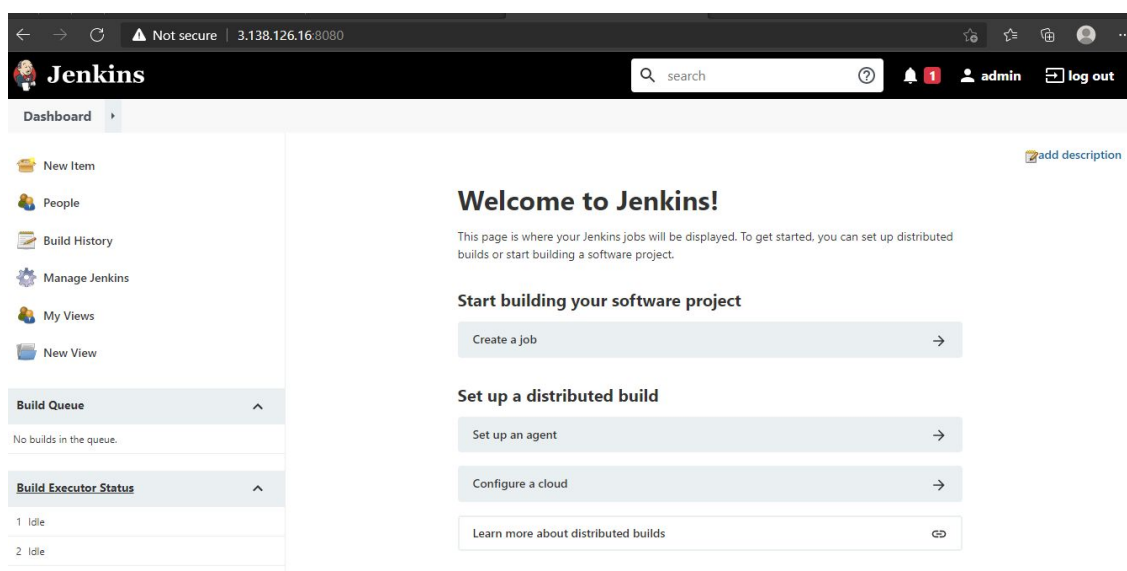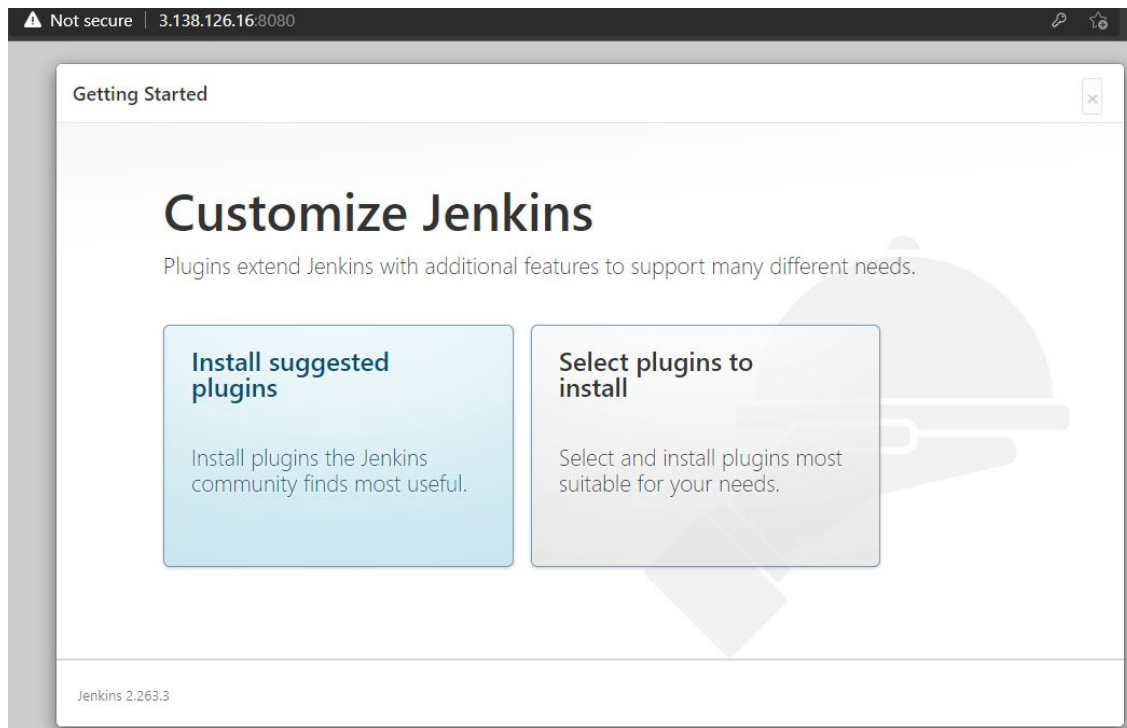
4. Access the **Jenkins** application

We can access the **Jenkins app** from the **Public IP** - **3.138.126.16** Of our Linux EC2 Instance at Port **8080, url - http://3.138.126.16:8080/**
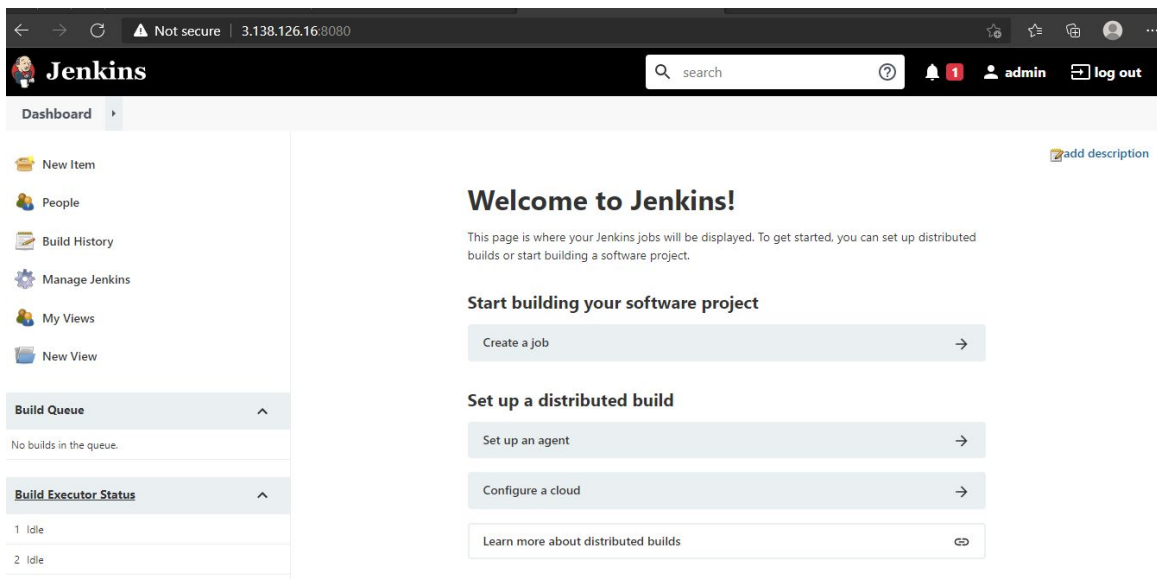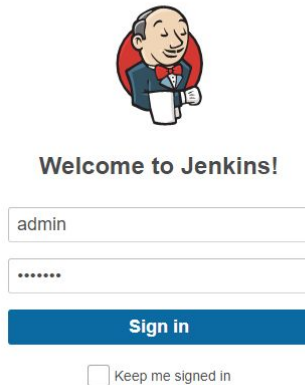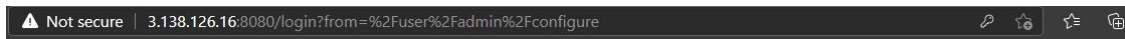
5. Extracted the password from the location

```
[root@ip-172-31-10-29 ec2-user]# cat /var/lib/jenkins/sec
rets/initialAdminPassword
796973e545764832aa9e8194b6a3b806
```
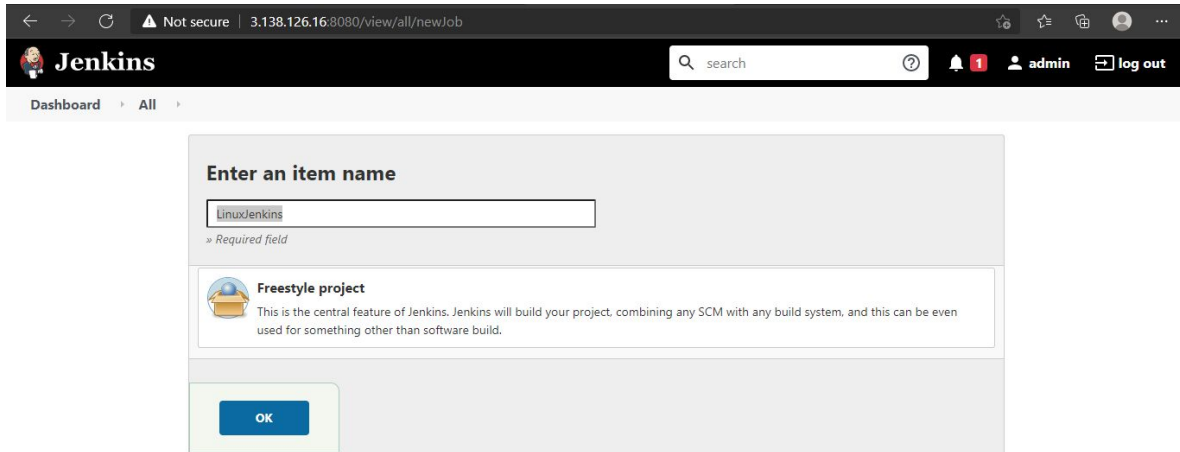
6. Skip installing plugins

7. Change the admin password

Click on the **admin** profile and goto **configure,** then find the **password** section and change the password. Later, **Apply** & **Save**.
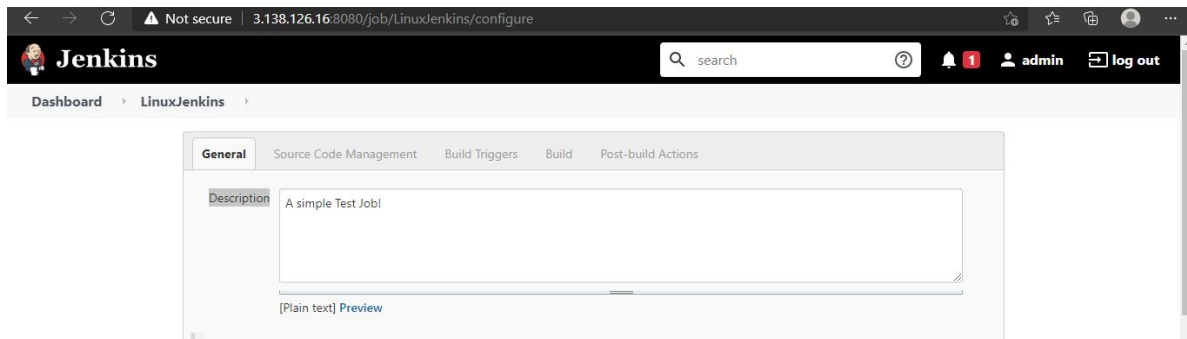

8. Create a new job
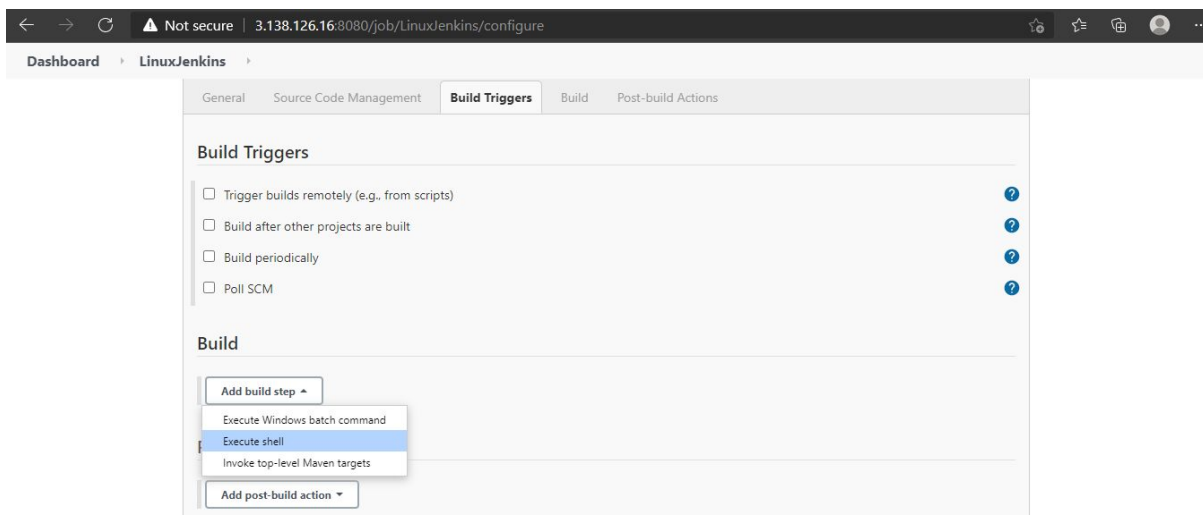
Created a Job with name - **LinuxJenkins**
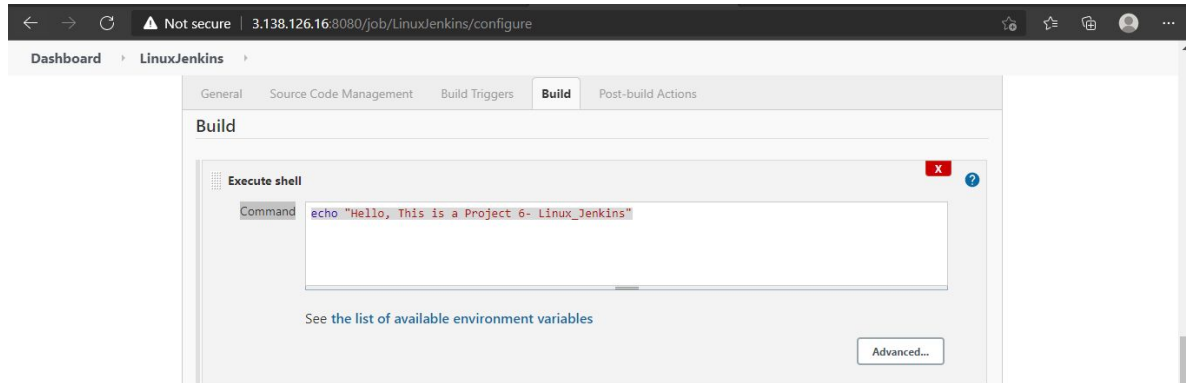
Provided a description for the **Job**
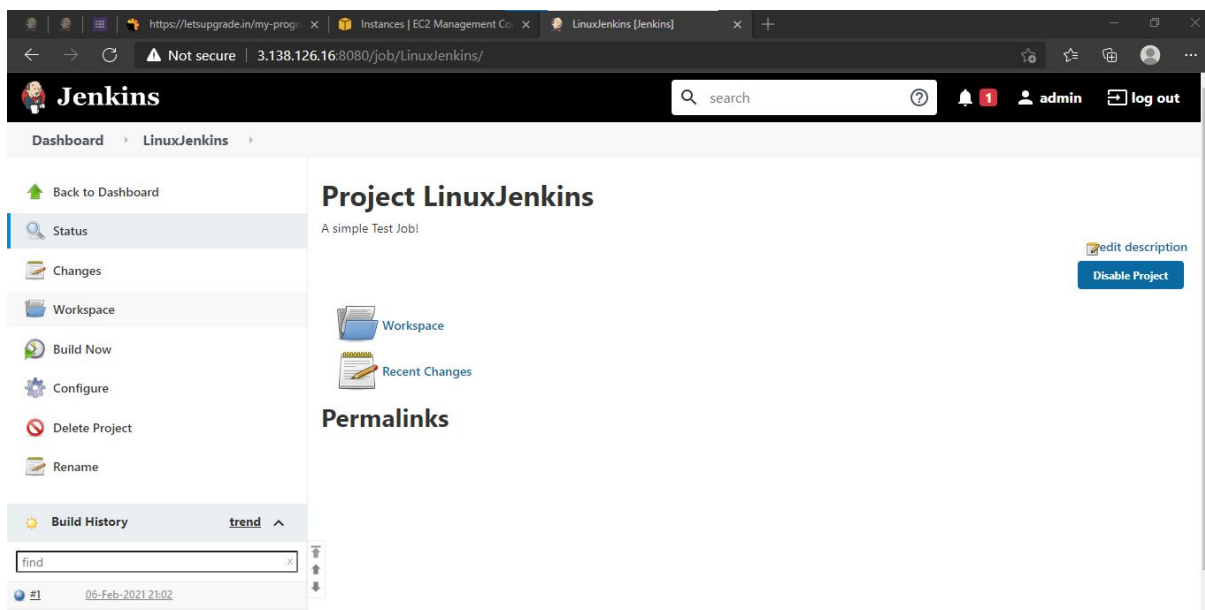

9. Provide Build step

Selected Build step as **execute shell**

and type the following command,

```
echo 'Hello, This is a Project 6- Linux_Jenkins'
```

10. Build the Job

Console Output