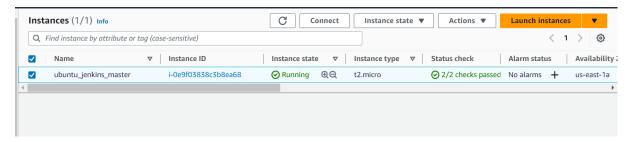
# CONFIGUARE JENKINS THROUGH AWS EC2 INSTANCE

**Devops Tools** 

Kaushik Dey

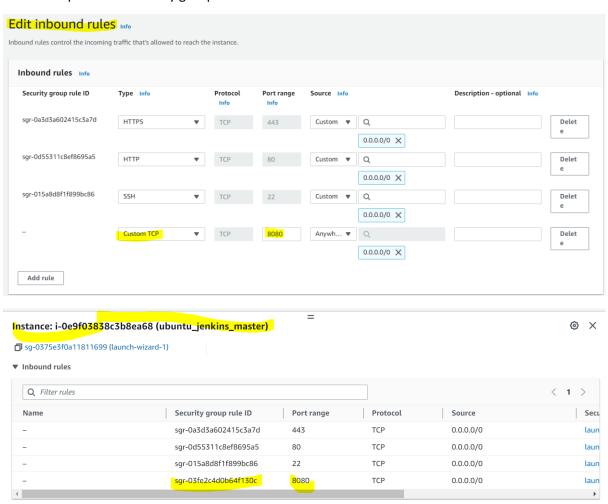
#### Step 1:

Ec2 instance we must create in AWS environment. In this case we are using Ubuntu, the screenshot is given below.



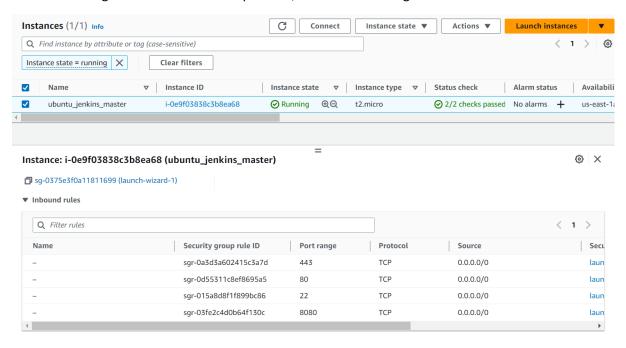
Step 2:

We must update the security group.



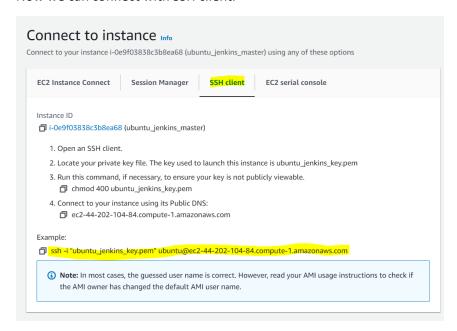
#### Step 3:

Now connecting the ubuntu server via pem file, the screenshot is given below.



#### Step 4:

Now we can connect with SSH client.



Step 5:

Now the machine is connected, the screenshot is given below.



#### Step 6: (very important step and crucial path)

Now we can perform some action. First install some prerequisite.

- 1) Sudo su.
- 2) sudo apt-get update -y | sudo apt update -y
   for update the ubuntu very first time.
- 3) sudo apt install openjdk-11-jre -y
  Need to install java for Jenkins installation.
- 4) java -version check java is installed or not.
- 5) curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key | sudo tee \ /usr/share/keyrings/jenkins-keyring.asc > /dev/null
- 6) echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
  https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
  /etc/apt/sources.list.d/jenkins.list > /dev/null
- 7) sudo apt-get update
- 8) sudo apt-get install jenkins
- 9) jenkins -version
- 10) systemctl start jenkins
- 11) Systemctl status jenkins
- 12) Systemctl enable jenkins

we can also find this installation commands in following official website.

#### https://www.jenkins.io/doc/book/installing/linux/#debianubuntu

Step 7: with help of ec2 instance path and the port 8080 (jenkins by default port) we are successfully installed jenkins, the screen-shot is given below.

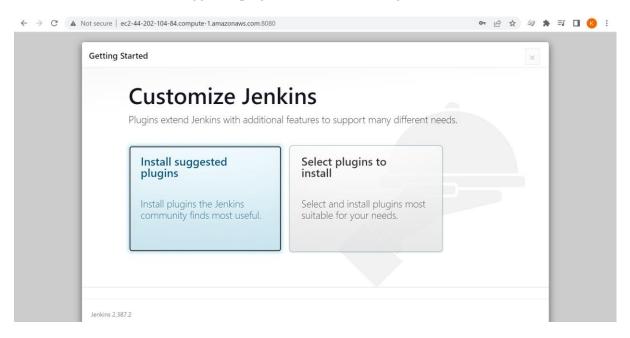


Step 8: now we have to provide the Administrator password and then jenkins UI will be showing.

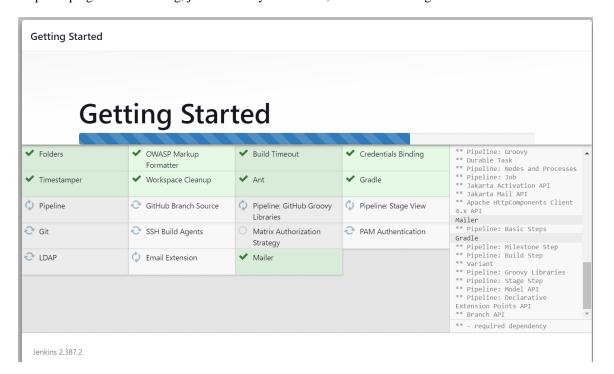
1. Go to the /var/lib/jenkins/secrets/initialAdminPassword

- 2. The default path of jenkins : cd /var/lib/jenkins
- 3. Password is: 74a93a18e0b7419198f2524ce1ee2c3e
   (password we can get it from secrets folder)

Step 9: we have to installed suggested plugins, the screenshot is given below.



Step 10: plugins are installing, just check in your console, the screenshot is given below.



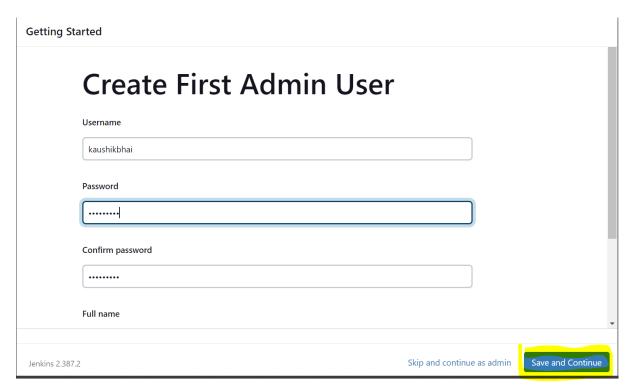
```
root@ip-172-31-92-157: /var/lib/jenkins/plugin
                                                                                                                     П
                                                                                        script-security.jpi
snakeyaml-api
snakeyaml-api.jpi
                                                 instance-identity.jpi
antisamy-markup-formatter.jpi
bootstrap5-api
bootstrap5-api.jpi
                                                ionicons-api.jpi
                                                                                        ssh-credentials
ssh-credentials.jpi
                                                 ackson2-api
                                                jackson2-api.jpi
bouncycastle-ap
bouncycastle-api.jpi
                                                 avax-activation-api
avax-activation-api.jpi
avax-mail-api
                                                                                         sshd
build-timeout
build-timeout.jpi
                                                                                        sshd.jpi
 caffeine-api
                                                javax-mail-api.jpi
                                                                                         structs.jpi
caffeine-api.jpi
cloudbees-folder
cloudbees-folder.jpi
                                                jaxb.jpi
jayb.jpi
jquery3-api.jpi.tmp
mina-sshd-api-common
mina-sshd-api-common.jpi
                                                                                         timestamper.jpi
                                                                                         token-macro
commons-lang3-api
commons-lang3-api.jpi
                                                                                         token-macro.jpi
                                                                                        trilead-api
                                                                                        trilead api
trilead-api.jpi
workflow-api
workflow-api.jpi
                                                mina-sshd-api-core
mina-sshd-api-core.jpi
commons-text-api
commons-text-api.jpi
credentials
credentials-binding
credentials-binding.jpi
                                                plain-credentials.jpi
                                                                                        workflow-step-api.jpi
workflow-support
                                                plugin-util-api
credentials.jpi
                                                plugin-util-api.jpi
                                                                                        workflow-support.jpi
font-awesome-ap
                                                scm-api
font-awesome-api.jpi
                                                scm-api.jpi
instance-identity
```

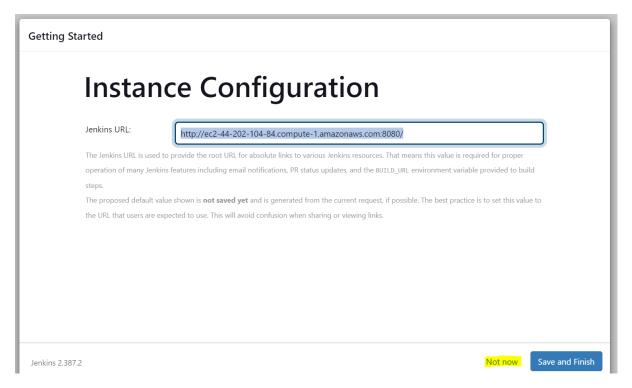
Step 11: now we have to create our admin user, (this user is treated as admin user)

UserName: Kaushikbhai

Password: Ishan@900

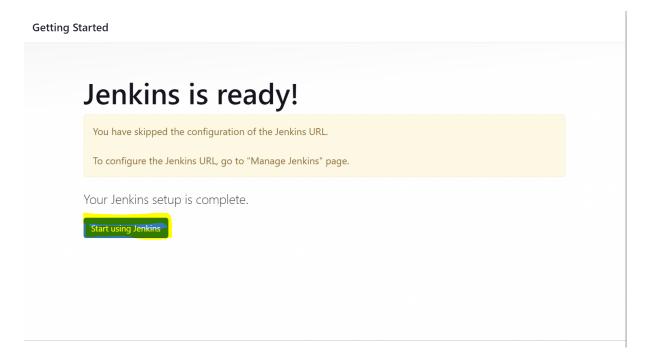
confirmPassword: Ishan@900





We should not save and finish as of this demo, because we are not using static or elastic Ip, so every time ec2 ip is refreshed, so as of now recommended is Not Now.

Step 12: Now we can successfully installed jenkins in ec2 system. The screenshot is given below.



#### Step 13: now we can see the jenkins dashboard

