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configuare jenkins through aws ec2 instance

Devops Tools

Step 1:

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

Graphical user interface, application

Description automatically generated

Step 2:

We must update the security group.

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Step 3:

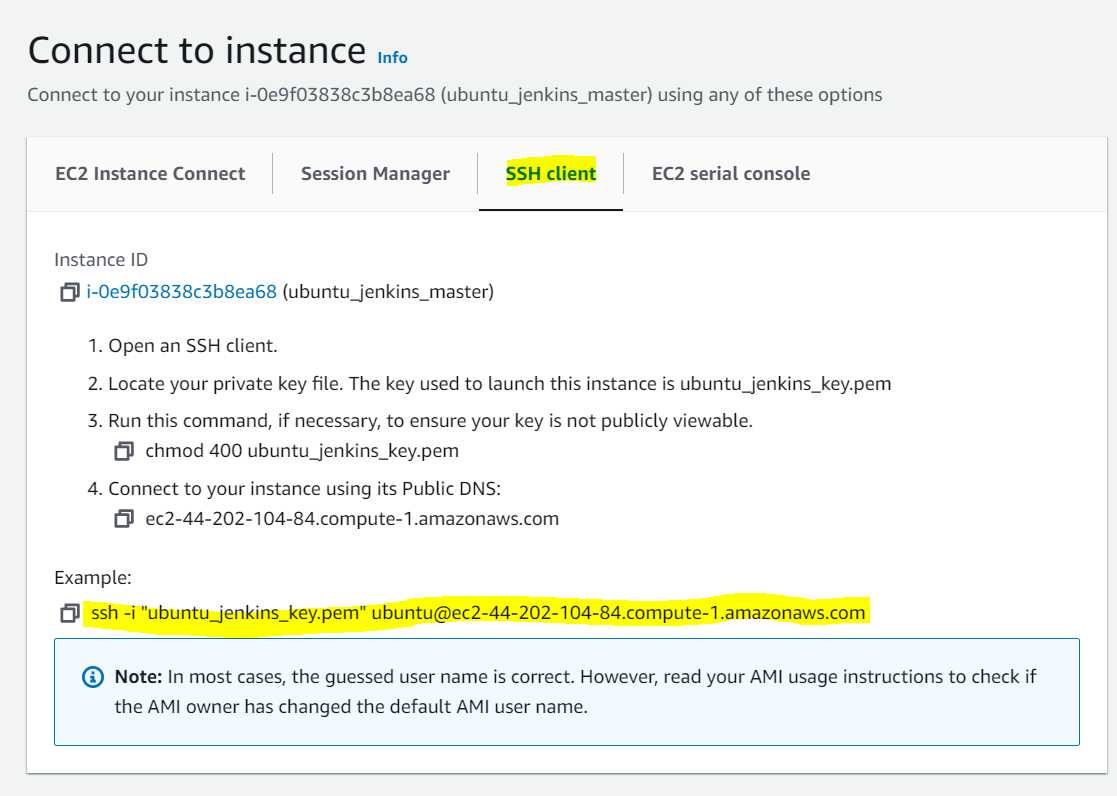
Now connecting the ubuntu server via pem file, the screenshot is given below.

Graphical user interface, table

Description automatically generated with medium confidence

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.

1. sudo apt install openjdk-11-jre -y

Need to install java for Jenkins installation.

1. java –version

check java is installed or not.

1. curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key | sudo tee \

/usr/share/keyrings/jenkins-keyring.asc **>** /dev/null

1. 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

1. sudo apt-get update
2. sudo apt-get install jenkins
3. jenkins –version
4. systemctl start jenkins
5. Systemctl status jenkins
6. 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.

Graphical user interface, text, application

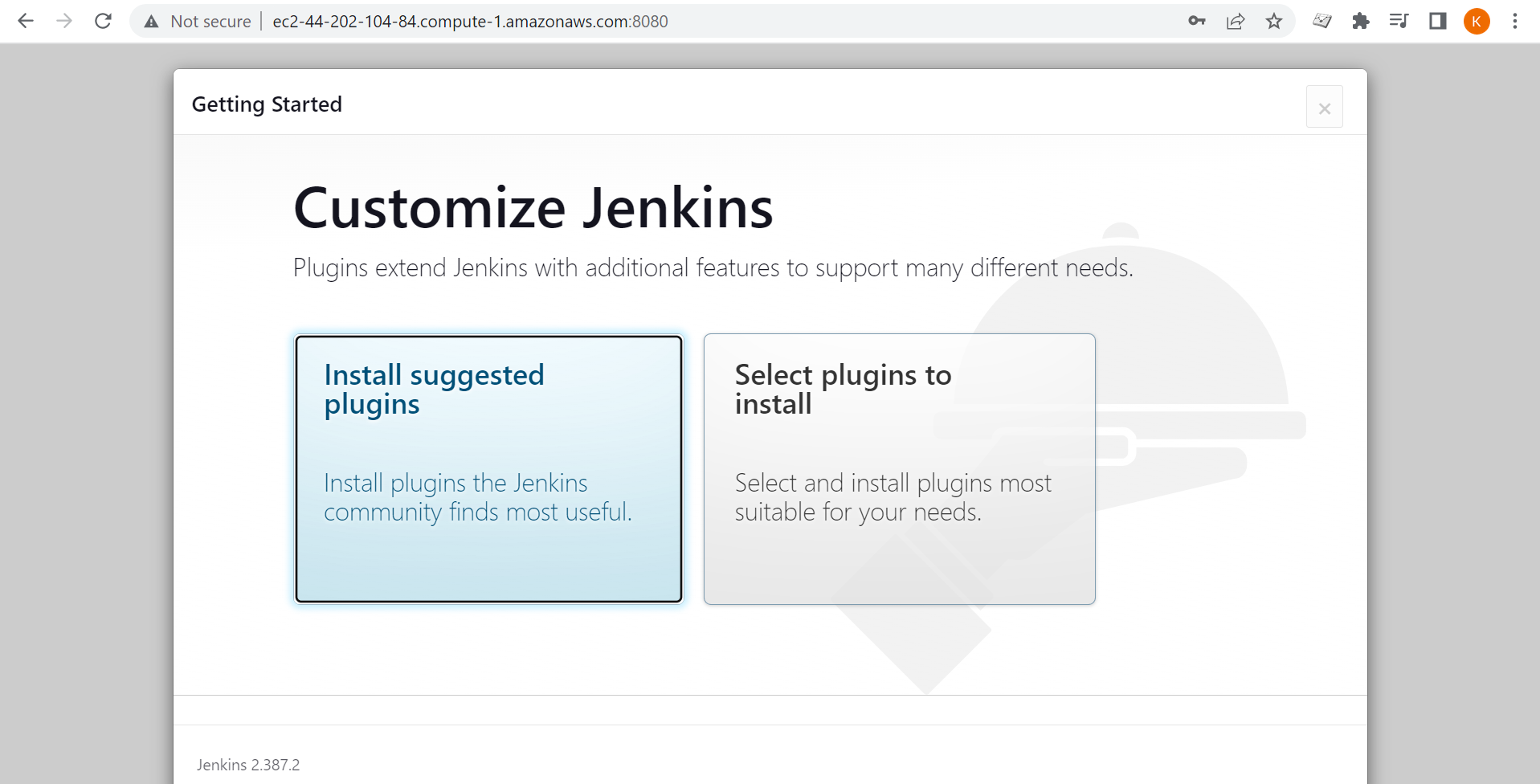
Description automatically generated

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

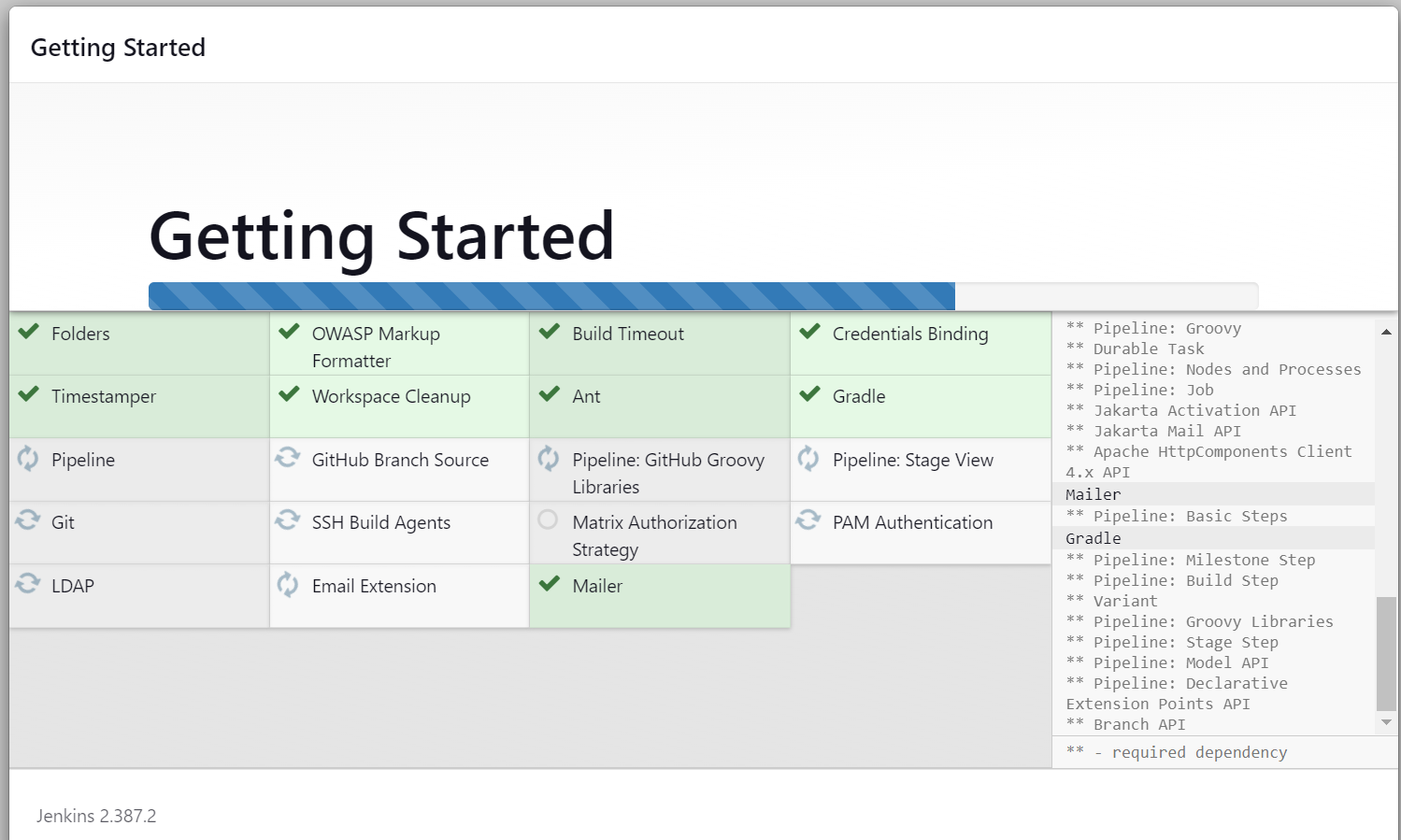
1. Go to the /var/lib/jenkins/secrets/initialAdminPassword
2. The default path of jenkins : cd /var/lib/jenkins
3. Password is : 74a93a18e0b7419198f2524ce1ee2c3e

(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.



Graphical user interface, text, application

Description automatically generated

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

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

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.

Graphical user interface, application

Description automatically generated

Step 13 : now we can see the jenkins dashboard

