**Install Jenkins on EC2 Ubuntu**

Login in to EC2 instance using SSH using the below command;

ssh -i filename.pem ubuntu@PublicIP

It says permission denied in the below secreenshot since the private key file is unprotected as it contains sensitive information.

To change permissions of the pem file use - chmod 600 filename.pem

A screenshot of a computer screen

Description automatically generated

ssh -i filename.pem ubuntu@PublicIP

A screenshot of a computer

Description automatically generated

Run “sudo su -” to change the user to a root user.

Run “apt update” to update packages.

Whenever you login to an instance try to update the packages so that you are up to date. So that, whenever you download something, you get the latest version of that package.

A screenshot of a computer

Description automatically generated

Jenkins requires JRE which is Java Runtime Environment.

So, check if java is already installed by running “java - -version”

If not install java using the below command;

apt install default-jre

A screenshot of a computer program

Description automatically generated

A black screen with white text

Description automatically generated

Install Jenkins

<https://www.jenkins.io/doc/book/installing/linux/>

Refer the above link for the Jenkins installation command for your respective Operating system, **Ubuntu** in this case.

A screenshot of a computer screen

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To check if the Jenkins server is up and running, run the below command;

systemctl status Jenkins

Exit the screen using ctrl+z.

By default Jenkins run on port 8080 – Make sure you provide inbound rules for 8080 for your EC2 instance.

A screen shot of a computer

Description automatically generated

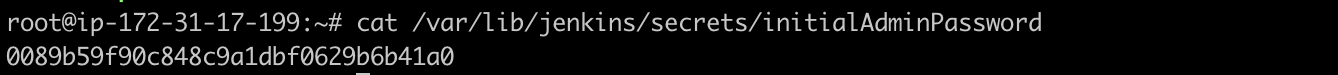
Open the web browser, access the Jenkins server using <http://PublicIP:8080>

If it doesn’t work re-check the inbound rule in security settings in the EC2 instance.

A screenshot of a computer

Description automatically generated

Run “cat /var/lib/jenkins/secrets/initialAdminPassword” to locate the administrator password.



Install suggested or select the plugins to be installed. Used “suggested plugins” option in this case.

A screenshot of a computer

Description automatically generated

It takes few minutes for the plugins to install.

A screenshot of a computer

Description automatically generated

Provide credentials or skip and continue as admin.

A screenshot of a computer

Description automatically generated

Setup instance configuration. Confirm the address to be used for this server since this will be a preferred address for the Jenkins installation.

A screenshot of a computer

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Setup is ready and we can start using the Jenkins now.

A screenshot of a computer

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Jenkins Dashboard as shown below.

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