Aim: To resolve the errors while installing Jenkins on Linux operating system.

Errors resolved:

- 1) 'jenkins' has no installation candidate
- 2) Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).
- 3) -bash: /etc/environment: Permission denied
- 4) After successful installation on any cloud platform Jenkins not working on port ("public ip:8080")

To resolve all the issues, follow the following installation steps

- 1) sudo su
- 2) sudo apt-get -y install openjdk-11-jdk openjdk-11-jre
- 3) java -version
- 4) cat >> /etc/environment <<EOL JAVA_HOME=/usr/lib/jvm/java-8-openjdk-amd64 JRE_HOME=/usr/lib/jvm/java-8-openjdk-amd64/jre EOL
- 5) curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key | sudo tee \ /usr/share/keyrings/jenkins-keyring.asc > /dev/null 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
- 6) sudo apt-get update
- 7) sudo apt-get install jenkins
- 8) sudo systemctl start jenkins

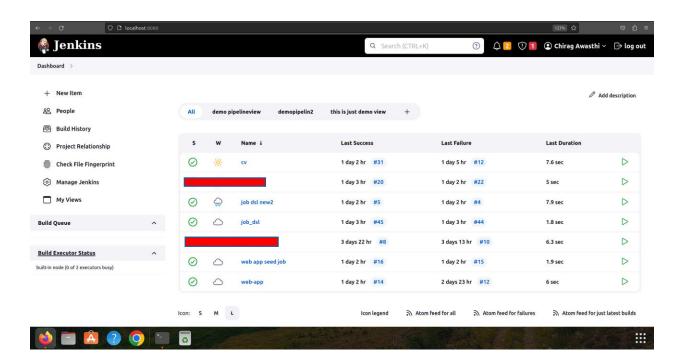
9) sudo systemctl status jenkins

If status is Active that means we have successfully installed Jenkins in our system

Steps to use Jenkins in our system

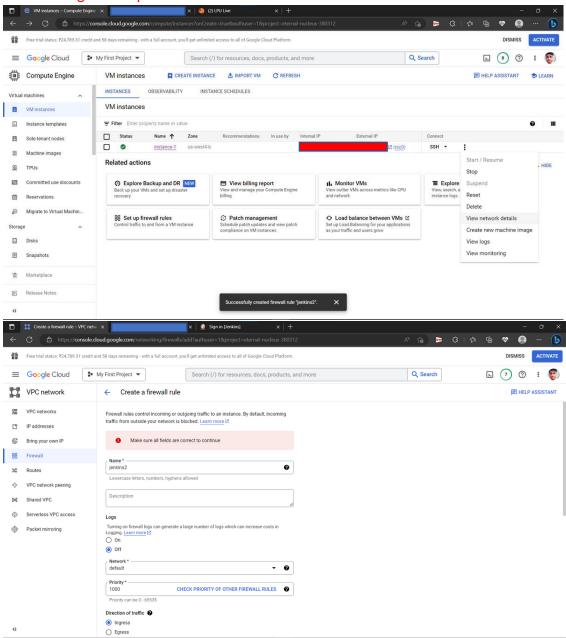
To access/open the Jenkins follow the following steps

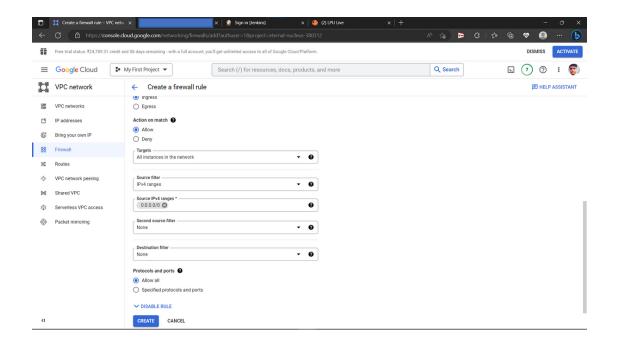
1) If installed in local environment directly go to the browser and access ("localhost:8080")



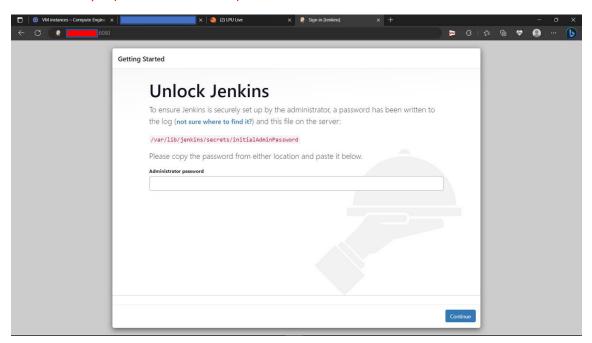
2) If installed inside cloud environment (AWS,GCP,AZURE) create new firewall rule so that we can access the port 8080 with ip address of our created instance

following is example of GCP





 Now go to the browser run ("public_ip:8080") example (24.19.337.233:8080)



• Go to the file /var/lib/jenkins/secrets/initialAdminPassword here you will find your initial admin password which will allow you to enter into jenkins and create your personal account .

Now rest of the steps are easy just setup the personal details and you are good to go!

I Hope this resolves the issue 😊.

(Chirag Awasthi)