**How to setup Jenkins**

Jenkins is a open-source build automation and deployment tool.

It was developed by using java.

**Step-1:** we have to install java on Jenkins

$ sudo yum install -y java-17-amazon-corretto or any version

$ java –version

**Step-2:** go to Jenkins official website to download the Jenkins based on the os version. <https://www.jenkins.io/download/>

$ 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-2023.key

$ sudo yum upgrade

$ sudo yum install jenkins

$ sudo systemctl daemon-reload

$ sudo systemctl enable Jenkins

$ sudo systemctl start Jenkins

$ sudo systemctl status jenkins

**Step-3:** open browser and provide <ip>:8080

----> Jenkins default port number is **8080**

----> home path of the default “**/var/lib/Jenkins”**

**Step-4:** open file in **“/var/lib/jenkins/secrets/initialAdminPassword”**

$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword

**Step-5:** Install plugins [Jenkins supports 1800+ plugins]

**Step-6:** Create admin username password for future login credentials.

**Optional steps :**

**Step-7:** If you want to change default port number

$ vi /usr/lib/systemd/system/jenkins.service

And update the port number in the line of **“Environment="JENKINS\_PORT=8080"**

**Step-8:** if you want to disable username and password means login without asking username and password.

$ vi /var/lib/Jenkins/config.xml

And make false the field **“<useSecurity>false</useSecurity>”**