* sudo su -
* yum install git
* 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 dnf upgrade

# Add required dependencies for the jenkins package

sudo dnf install fontconfig java-17-openjdk

sudo dnf install jenkins

sudo systemctl daemon-reload

* sudo dnf install java-17-amazon-corretto-devel
* sudo dnf install Jenkins
* sudo systemctl enable jenkins
* sudo systemctl start jenkins
* sudo vi /var/lib/jenkins/secrets/initialAdminPassword
* cd /opt/
* ll
* wget https://dlcdn.apache.org/maven/maven-3/3.9.6/binaries/apache-maven-3.9.6-bin.tar.gz
* ll
* tar -xzvf apache-maven-3.9.6-bin.tar.gz
* ls
* mv apache-maven-3.9.6 maven -🡪to rename
* ll
* ls
* apache-maven-3.9.6-bin.tar.gz aws maven
* [root@ip-172-31-3-141 opt]# cd maven
* [root@ip-172-31-3-141 maven]# ls
* LICENSE NOTICE README.txt bin boot conf lib
* [root@ip-172-31-3-141 maven]# cd bin
* [root@ip-172-31-3-141 bin]# ls
* m2.conf mvn mvn.cmd mvnDebug mvnDebug.cmd mvnyjp
* [root@ip-172-31-3-141 bin]# ./mvn -v
* cd ~ ---🡪to come out from all directory
* [root@ip-172-31-3-141 ~]# pwd
* /root
* vi .bash\_profile
* M2\_HOME=/opt/maven
* M2=/opt/maven/bin
* JAVA\_HOME=/usr/lib/jum/java-17-amazon-corretto.x86\_64
* PATH=$PATH:$HOME/bin:$M2\_HOME:$M2:$JAVA\_HOME

To close click on “esc” and “:wq” and enter

* Sudo su –
* mvn -v

maven application and deploy it on tomcat server using Jenkins

* cd /opt
* wget https://dlcdn.apache.org/maven/maven-3/3.9.6/binaries/apache-maven-3.9.6-bin.tar.gz

**TOMCAT**

sudo su -

cd /opt

wget https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.84/bin/apache-tomcat-9.0.84.tar.gz

sudo yum install java-17-amazon-corretto-devel

tar -xzvf apache-tomcat-9.0.84.tar.gz

mv apache-tomcat-9.0.84 tomcat

cd tomcat

cd bin

./startup.sh

find / -name context.xml

vi /tomcat/webapps/host-manager/META-INF/context.xml //MAKE VALVE ELEMENTS IN COMMENTS

vi /tomcat/webapps/manager/META-INF/context.xml //MAKE VALVE ELEMENTS IN COMMENTS

cd ..

cd conf

ll

vi tomcat-users.xml

//ADD THESE LINES BETWEEN <USER>

<role rolename="manager-gui"/>

<user username="manager" password="anyPassword" roles="manager-gui"/>

<role rolename="admin-gui"/>

<user username="admin" password="anyPassword" roles="admin-gui, manager-gui"/>

cd ..

cd bin

./shutdown.sh

./startup.sh

find / -name java

<role rolename="manager-gui"/>

<role rolename="manager-script"/>

<role <role rolename="manager-jmx"/>

<rolename="manager-status"/>

<user username="admin" password="admin" roles "manager-gui, manager-script, manager-jmx, manager-status"/>

<user username="deployer" password="deployer" roles="manager-script"/>

<user username="puji" password="puji" roles="manager-gui"/>

<https://medium.com/@GeorgeBaidooJr/setting-up-a-ci-cd-pipeline-using-git-jenkins-and-maven-6bd6f3f52886>

<https://medium.com/cloudnloud/how-to-integrate-tomcat-server-in-cicd-pipeline-bbe59557a083>

<https://enlear.academy/deploying-a-full-stack-application-on-aws-ec2-with-docker-a-step-by-step-guide-86363d99a5ff>

Anu git:

<https://github.com/anuhyagarlapati/tomcat.git>

https://github.com/deepa-mathan/job1