**UPDATING OF YUM**

yum update -y

**INSTALLATION OF JAVA**

yum install java -y

**INSTALLATION OF WGET**

yum install wget -y

**INSTALLATION OF GIT**

yum install git -y

**INSTALLATION OF MAVEN**

cd /opt

wget http://apachemirror.wuchna.com/maven/maven-3/3.6.3/binaries/apache-maven-3.6.3-bin.tar.gz

tar xvzf apache-maven-3.6.3-bin.tar.gz

vi /etc/profile.d/maven.sh

export MAVEN\_HOME=/opt/apache-maven-3.6.3

export PATH=${MAVEN\_HOME}/bin:${PATH}

source /etc/profile.d/maven.sh

mvn -version

**INSTALLATION OF JENKIN**

sudo wget -O /etc/yum.repos.d/jenkins.repo http://pkg.jenkins-ci.org/redhat-stable/jenkins.repo

sudo rpm --import https://jenkins-ci.org/redhat/jenkins-ci.org.key

sudo yum install jenkins -y

service jenkins start

cat /var/lib/jenkins/secrets/initialAdminPassword

**INSTALLATION OF DOCKER**

dnf config-manager --add-repo=https://download.docker.com/linux/centos/docker-ce.repo

dnf repolist -v

dnf install docker-ce-3:18.09.1-3.el7

systemctl enable docker

systemctl start docker

systemctl status docker

**INSTALLATION OF ARTIFACTORY**

docker pull docker.bintray.io/jfrog/artifactory-oss:latest

docker images

mkdir -p /jfrog/artifactory

chown -R 1030 /jfrog/

docker run --name artifactory -d -p 8081:8081 \

-v /jfrog/artifactory:/var/opt/jfrog/artifactory \

docker.bintray.io/jfrog/artifactory-oss:latest

vi /etc/systemd/system/artifactory.service

[Unit]

Description=Setup Systemd script for Artifactory Container

After=network.target

[Service]

Restart=always

ExecStartPre=-/usr/bin/docker kill artifactory

ExecStartPre=-/usr/bin/docker rm artifactory

ExecStart=/usr/bin/docker run --name artifactory -p 8081:8081 \

-v /jfrog/artifactory:/var/opt/jfrog/artifactory \

docker.bintray.io/jfrog/artifactory-oss:latest

ExecStop=-/usr/bin/docker kill artifactory

ExecStop=-/usr/bin/docker rm artifactory

[Install]

WantedBy=multi-user.target

systemctl daemon-reload

systemctl start artifactory

systemctl enable artifactory

systemctl status artifactory