

Setting up jenkins pipeline to deploy docker Swarm

I added all the screen shots in another pdf ;

here i added few Command lines:

User data in EC2 instance:

```
#!/bin/bash
sudo yum update -y

# Install Java
sudo amazon-linux-extras install -y epel
sudo amazon-linux-extras install -y java-openjdk17
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.key
sudo yum install -y epel-release
sudo yum install -y java-17-openjdk-devel
sudo /usr/sbin/alternatives --config java <<< '1'

# Install Maven
sudo wget
http://repos.fedorapeople.org/repos/dchen/apache-maven/epel-apache-maven.repo -O
/etc/yum.repos.d/epel-apache-maven.repo
sudo sed -i s/\\$releasever/6/g /etc/yum.repos.d/epel-apache-maven.repo
sudo yum install -y apache-maven

# Install git
sudo yum install git -y

# Install Jenkins
sudo yum install -y jenkins
sudo systemctl start jenkins
sudo systemctl enable jenkins

# Install docker
sudo yum install -y docker
sudo systemctl start docker
sudo systemctl enable docker
sudo usermod -aG docker ec2-user
sudo usermod -aG docker jenkins
```

```
#Verify
sudo java -version
sudo mvn --version
sudo git version
sudo docker version
```

Commands in command prompt:

```
run -d -p 80:80 my-angular123
```

```
docker ps
```

```
run -d -p 81:80 my-angular123 #same run in another port
```

```
stop <id> #to stop the docker file running
```