NEXUS:

1 cpu and 2 gb of ram
22 and 8081 port
Openjdk8

NEXUS SETUP:

```
 1  sudo yum update -y
 2  sudo yum install wget -y
 3  sudo yum install java-1.8.0-openjdk.x86_64 -y
 4  sudo mkdir /app && cd /app
 5  sudo wget -O nexus.tar.gz https://download.sonatype.com/nexus/3/latest-unix.tar.gz
 6  ll
 7  sudo tar -xvf nexus.tar.gz
 8  ll
 9  sudo mv nexus-3* nexus
10  sudo adduser nexus
11  sudo chown -R nexus:nexus /app/nexus
12  sudo chown -R nexus:nexus /app/sonatype-work
13  sudo vi  /app/nexus/bin/nexus.rc
```

run_as_user="nexus"

```
14  sudo vi /app/nexus/bin/nexus.vmoptions
15  sudo vi /etc/systemd/system/nexus.service
```

[Unit]
Description=nexus service
After=network.target

[Service]
Type=forking
LimitNOFILE=65536
User=nexus
Group=nexus
ExecStart=/app/nexus/bin/nexus start
ExecStop=/app/nexus/bin/nexus stop
User=nexus
Restart=on-abort

[Install]
WantedBy=multi-user.target

```
16  sudo chkconfig nexus on
17  sudo systemctl start nexus
18  systemctl status nexus.service
19  sudo systemctl enable nexus
```

```
    20  systemctl status nexus.service
    21  history
```

JENKINS SETUP:

```
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
amazon-linux-extras install java-openjdk11 -y
yum install jenkins -y && systemctl restart jenkins
yum install java-1.8.0-openjdk -y
yum install maven -y
yum install git -y
```

Vim /etc/maven/settings.xml (line-119)

```
<server>
  <id>nexusRepo</id>
  <username>admin</username>
  <password>Mashalla</password>
</server>
```

Install nexus platform plugin in jenkins
Go to jenkins —> configuration system —> nexus
Display name: nexus
Server-id: nexus-repo
Server url: public ip of nexus:8081
Credentials: ****
Test connection

Go to job:
Configure —>

Add a build step: Nexus Repository Manager Publisher
Nexus instance: auto update
Nexus-repo: sample-releases

packages:
Group: search in pom.xlm

Artifact id: search in pom.xlm
Version: search in pom.xlm
Package: war

Artifact:
File path: target/myweb-8.2.5.war
Extension: .war

Or or or or or or or

Install : nexus artifact uploader

Go to job —>configure
Add build step —> nexus artefact uploader
Nexus version: nexus3
Protocol: HTTP
Nexus URL: ipaddress:8081
crenentials: ****
Group id: see in pom.xml
Version: see in pom.xml
Repository: sample-releases

artifact:
Artifact id: search in pom.xlm
Type: war
fle: target/myweb.war

JFROG

INSTALLATION:
AMI: LINUX AMI INSTANCE: T2 MEDIUM S.G : 8081 & ANYWHERE
* wget https://releases.jfrog.io/artifactory/artifactory-rpms/artifactory-rpms.repo -O
jfrog-artifactory-rpms.repo
* mv jfrog-artifactory-rpms.repo /etc/yum.repos.d/
* yum update -y
* yum install jfrog-artifactory-oss -y
* systemctl start artifactory.service
* systemctl enable artifactory.service
* systemctl status artifactory.service

creds: admin

password: password

scp -o StrictHostKeyChecking=no /var/lib/jenkins/workspace/job-1/target/war-file
ec2-user@publi-ip:/opt/apache/webapps/

 <u>DOCKER</u>
docker ps -f "status=exited

Command to list the exited containers