Nexus(8081)

Introduction:

Nexus is a Artifactory repository manager allows to store and retrieve build artifacts.

Nexus Repository Manager is available from Sonatype, Inc. "Sonatype" and "Sonatype Nexus" are trademarks of Sonatype, Inc.

Pre requisites:

- 1. We need to take t2.large ec2-instance in AWS.
- 2. First we need install java on ec2-instance.

and make it as nexus as a service like this

3. Install Nexus on ec2-instance.

Nexus Installation Steps:

```
4. Step1: Install java on ec2
5. yum install -y java-1.8.0-openjdk-devel.x86_64
6. Step2: Install Nexus on ec2
   Go to /opt directory
   cd /opt and download nexus from nexus site like below command
   sudo wget https://download.sonatype.com/nexus/3/latest-unix.tar.gz
  and unzip the file latest-unix.tar.gz by using tar
  tar -xvf latest-unix.tar.gz
  rename extracted filename to nexus3 like below
  mv nexus-3.20.1-01/ nexus3
  Change ownership to nexus3 and sonatype-work like below
  chown -R ec2-user:ec2-user nexus3 sonatype-work
  go to nexus3 directory under nexus3 directory after that go to bin directory
 and edit file nexus.rc in that file comment out and give user as ec2-user like below steps.
 cd nexus3/
 cd bin
 ls
 vi nexus.rc ---- In this like run_as_user="ec2-user"
 after that do softlink to opt/nexus3/bin/nexus /etc/init.d/nexus
  In -s /opt/nexus3/bin/nexus /etc/init.d/nexus
```

cd /etc/init.d/

chkconfig --add nexus

chkconfig nexus on

Start service of nexus

sudo service nexus start

Accesing From Browser:

Ec2-instance Public IP address:portnumber for ex: 30.40.5.3:8081

You will get default user as admin and password like below path.

cat /opt/sonatype-work/nexus3/admin.password

cfe5e876-ffbb-4b2f-a7b3-38a369f15136 ------→ like this



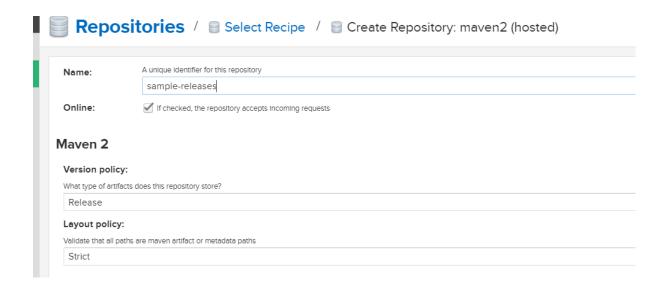
and reset your password

Creating Repositories:

Go to settings → select repository → create repository → one for sample-relases and one for sample-snapshots like below steps.

Create repository and maven(2hosted)-→give reponame → sample-relases

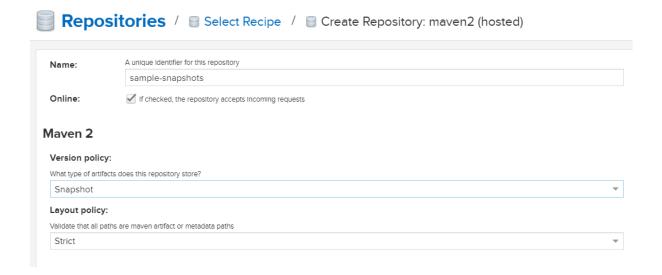
And give version policy →release →create repository



Similar way Create repository for sample-snapshots like below

Create repository and maven(2hosted)-→give reponame → sample-snapshots

And give version policy →snapshot →create repository



Jenkins Integrate with Nexus:

Step1: Go to Jenkins Server provide Nexus Credentials in /etc/maven/settings.xml like below

```
<server>
    <id>nexusRepo</id>
    <username>admin</username>
    <password>admin123</password>
</server>
...
```

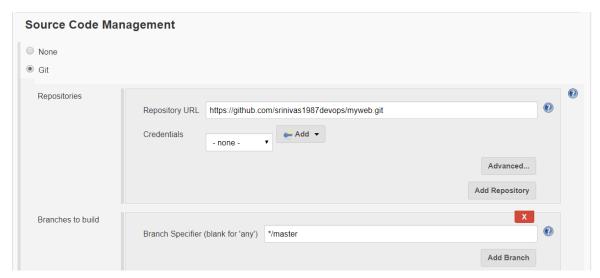
Step2:

Provide sample-releases and sample-snapshot urls under distribution tag in POM.xml

```
// distributionManagement>
// csnapshotRepository>
// id>
// curl>http://13.232.58.254:8081/repository/sample-snapshots/</url>
// snapshotRepository>
// crepository>
// cid>nexusRepo</id>
// crepository>
// cid>nexusRepo</id>
// curl>http://13.232.58.254:8081/repository/sample-releases/</url>
// c/repository>
// distributionManagement>
// distributionManagement>
// constant
// cons
```

Step3:

Create Jenkins job under Free-style under SCM and Build like below screen shots





Step4: Finally Build the Job and you will get Artifatcs under Nexus..