Sonatype Nexus

Sonatype Nexus is one of the best repository managers by using which we can store our artifacts like Jar/War/Ear/Docker Images.

Example for remote repo for Maven is SonaType Nexus.

Sonatype Nexus is built with java, so to install Sonatype Nexus before we install java.

Installation:

First to Update System

```
sudo yum update -y
```

SonaType Nexus Depends on Java-1.8.0

```
sudo yum install java-1.8.0-openjdk-devel -y
```

If u Want Update Java Alternatives By using Following Command

```
update-alternatives --config java
```

First Create a folder and download Nexus in that folder

```
sudo mkdir /nexus
cd /nexus
sudo wget https://sonatype-download.global.ssl.fastly.net/nexus/3/nexus-3.0.2-02-unix.tar.gz
sudo tar -xvf nexus-3.0.2-02-unix.tar.gz
sudo rm -rf nexus-3.0.2-02-unix.tar.gz
sudo mv nexus-3.0.2-02 nexus
```

Add User with name nexus

```
sudo adduser nexus
sudo chown -R nexus:nexus /nexus/nexus   →  Change the owner of nexus folder

sudo vim /nexus/nexus/bin/nexus.rc
run_as_user="nexus"
```

#To add nexus to the chkconfig list, give soft link to the nexus file by using following command

```
sudo ln -s /nexus/nexus/bin/nexus /etc/init.d/nexus
sudo chkconfig --add nexus
sudo chkconfig --levels 345 nexus on
```

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Sonatype Nexus

Configuring Nexus3 server details in Maven pom.xml:

Sonatype Nexus Server Details we can configure in maven project *pom.xml*,

```
<distributionManagement>
    <snapshotRepository>
      <id>nexus</id>
      <name>Internal Snapshot Releases</name>
      <url>http://34.230.37.54:8081/repository/maven-snapshots/</url>
    </snapshotRepository>

    <repository>
      <id>nexus</id>
      <name>Internal Releases</name>
      <url>http://34.230.37.54:8081/repository/maven-releases/</url>
    </repository>
</distributionManagement>
```

Configuring Nexus3 server Credentials in Maven Installation Directory:

We can configure Server credentials in Maven Installation Directory.

Path:

   {Mavem_home}/conf/settings.xml

Under Server details we can fill the below details

```
<servers>
    <server>
      <id>nexus</id>
      <username>admin</username>
      <password>admin123</password>
    </server>
</servers>
```

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