**JAVA 8 UBUNTU**

By using the below link we can install Java8 package,

<https://tecadmin.net/install-oracle-java-8-ubuntu-via-ppa/>

**NEXUS**

By using below link we can go to Nexus web site,

<https://support.sonatype.com/hc/en-us/articles/218637467-Download-Nexus-Repository-Manager-3>

in this site select the related link for which OS you are using

for UNIX: <http://download.sonatype.com/nexus/3/nexus-3.4.0-02-unix.tar.gz>

for WINDOWS: <http://download.sonatype.com/nexus/3/nexus-3.4.0-02-win64.zip>

for MAC: <http://download.sonatype.com/nexus/3/nexus-3.4.0-02-mac.tgz>

for DOCKER image: <https://hub.docker.com/r/sonatype/nexus3/>

* Go to **cd /usr/local**
* Download the related tar file here using

# wget https://sonatype-download.global.ssl.fastly.net/nexus/oss/nexus-2.11.3-01-bundle.tar.gz

* Untar the downloaded package,

#  **tar xvzf nexus-2.11.3-01-bundle.tar.gz**

Create a directory in this location with the name as **nexus**,

# **mkdir nexus**

* Do the soft link for nexus directory to nexus untar file

# **ln -s nexus-2.11.3-01 nexus**

* Go to **vi /etc/profile** in this add these lines at the end of this file,

export NEXUS\_PLATFORM=linux-x86=64

export NEXUS\_HOME=/usr/local/nexus-2.11.3-01

export NEXUS\_EXEC=$NEXUS\_HOME=/usr/local/nexus2.11.301/bin/jsw/$NEXUS\_PLATFORM

export PATH=$NEXUS\_EXEC:$PATH

than save it.

* Go to **cd usr/local/ nexus-2.11.3-01/bin**
* Next, **vi nexus**

In this vi editor uncomment the below lines or change the lies

RUN\_AS\_USER=root

APP\_NAME="nexus"

APP\_LONG\_NAME="Sonatype Nexus Repository Manager"

#PIDDIR="/var/run"

* After that execute this command

**cp $NEXUS\_EXEC/usr/local/ nexus-2.11.3-01/bin/nexus /etc/init.d/nexus**

* Next we need to give the permissions,

**chmod 755 /etc/init.d/nexus**

**update-rc.d nexus defaults**

**now** the installation and configuration of Nexus is done, then start the nexus repository

go to **cd usr/local/ nexus-2.11.3-01/bin**

**./nexus start** (for start the nexus repo)

**./nexus stop** (for stop the nexus repo)

* After starting nexus repo, copy the IP Address of the instance, than browse with that IP Address as shown below,

Gogle:: IPAddress:8081/nexus

* Than you need to login in nexus repo using defaults,

User name: admin

Password: admin123

**UPLOADING ARTIFACTS TO NEXUS REPOSITORY:**

* First we have the Jenkins server with maven setup (for this take an instance than install Java, Maven, Jenkins)
* Open the jenkins server, go to manage jenkins > manage plugins > than install the **maven integration plugin & nexus platform plugin** .
* After installation of above plugins, go to manage jenkins > global tool configuration > in this location set the **maven path** and save it**.**
* Again go to manage jenkins > configure system > here you found the Sonatype nexus ,in this there is a option calle **Add Nexus Repository Manager Server**  click here, after clicking it again click on **Nexus Repository Manager 2.x Server**  **.**
* Than fill the details as shown below,

A screenshot of a social media post

Description generated with very high confidence

**Image A**

* In the above image, the Display Name & Server ID are no need to mention as same as above image. But what are the details we entered please keep it some other place or remember it, because we are using it further.
* Server URL is the Nexus repository URL and give the credentials with Nexus UserID & Password. Than save the credentials. Then click on test connection. If it is ok click on apply & save.
* Create a job
* In this go to Post Steps, click on Add post build step and select the **Nexus Repository Manager Publisher.**
* A screenshot of a computer

  Description generated with very high confidence

**Image B**

* In the above image at Nexus Instance click and select **LocaNexusRepo** and at Nexus Repository click and select **Releases**.
* Than click on Add Package and give the details **Group, Artifact, Version, Packaging** which are available in **pom.xml** file which we choose to build.
* Than click on Add Artifact path, at File Path give the full path (you saw it in the image B) and give Extension.
* Finally save the job.
* Go to instance (command line), go to the **maven** directory > **conf** (ex: /opt/apache-maven-3.3.9/conf/), here you found **settings.xml** file, open it.
* The Settings.xml file wiil be like this,
* A screenshot of a cell phone

  Description generated with high confidence

**Image C**

* In this file you need to add the above script which is in blue colour in Image C, add the script in between <servers> </servers>.
* In that script <id>1234</id>, in this 1234 is ServerID which you entered (once see image A).
* User name and Password are the Nexus repository’s ID & Password. Save it.
* Go to git hub, open the pom.xml file which we want to build. At the end of the pom.xml file add the below script.
* A screenshot of a social media post

  Description generated with very high confidence

**Image D**

* **In image D, repository and snapshotrepository details are available in nexus repository.**

**A screenshot of a computer

Description generated with very high confidence**

**Image E**

* The above image shows the Repository details, like ID, Name, URL.