

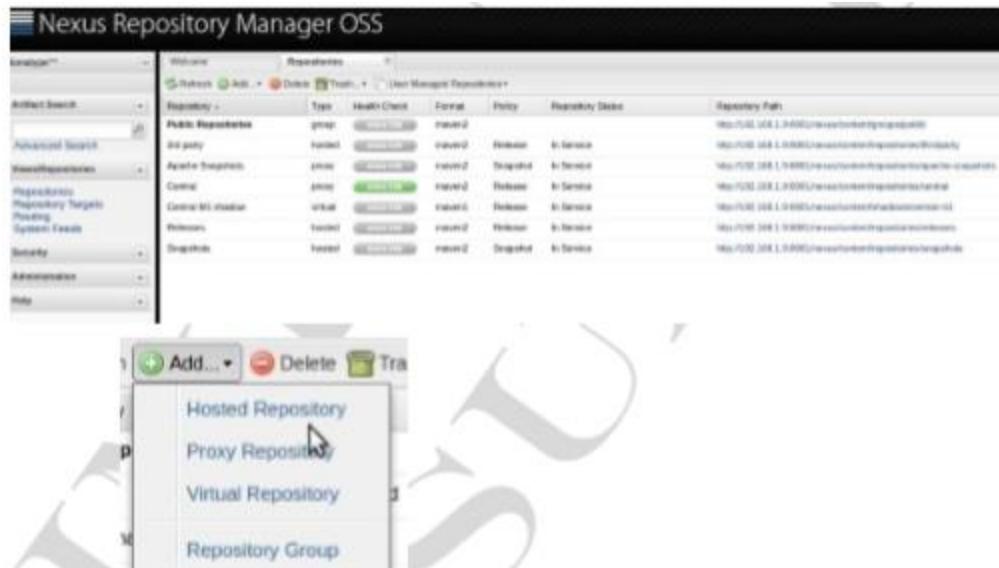
## Nexus setup on your ec2 instance (centos/6)

Login to our ec2 instance with normal user

- ❖ `sudo -i`
- ❖ `yum search java`
- ❖ Here we can identify all the versions of java.
- ❖ `yum install -y java-1.8.0-openjdk.x86_64 vim wget`
- ❖ `export RUN_AS_USER=root`
- ❖ `wget http://www.sonatype.org/downloads/nexus-latest-bundle.tar.gz`
- ❖ `sudo cp nexus-latest-bundle.tar.gz /usr/local/`
- ❖ `cd /usr/local`
- ❖ `sudo tar -xvzf nexus-latest-bundle.tar.gz`
- ❖ `sudo ln -s <nexus directory name> nexus`
- ❖ `cd nexus`
- ❖ `cd bin`
- ❖ `./nexus start`
- ❖ `Export RUN_AS_USER=root`
- ❖ `./nexus start`
- ❖ `Service iptables status`
- ❖ `service iptables stop`
- ❖ And we have to enable traffic from Jenkins security group in nexus security group from 8081.
- ❖ open browser take IP address and port number 8081 and /nexus
- ❖ `http://13.57.36.214:8081/nexus`
- ❖ log in user name and password ----- admin admin123

## Accessing Nexus dashboard

- ✓ From browser hit URL <Nexus server IP>:8081/nexus.
- ✓ Click login button and enter the credentials. (admin/admin123)
- ✓ Create hosted repository named "vprofile-repo" with all default settings



New Hosted Repository

Repository ID:

Repository Name:

Repository Type:

Provider:

Format:

Repository Policy:

Default Local Storage Location:

Override Local Storage Location:

Access Settings

Deployment Policy:

Allow File Browsing:

Include in Search:

Publish URL:

Expiration Settings

Not Found Cache TTL:  minutes

Save Cancel

- ❖ Then set up our Jenkins job go to Jenkins
- ❖ Instal plug in for nexus artifact uploader
- ❖ And then configure our into build step like below configuration.

In Jenkins before configuring job we have to install 2 important plugins: they are Nexus artifact uploader and Zentimestamp to set up this build. And to configure system we have to give the date time format

#### Global properties

☒ Date pattern for the BUILD\_TIMESTAMP (build timestamp) variable

Date and Time Pattern

yyyyMMddHHmm

You must specify a [java.text.SimpleDateFormat](#) pattern. For example give the following value: yyyyMMddHHmmss.

(from [Jenkins Zentimestamp plugin](#))

☐ Environment variables

## Build

### Invoke top-level Maven targets

Maven Version (Default)

Goals install

Advanced...

### Nexus artifact uploader

#### Nexus Details

Nexus Version NEXUS2

Protocol HTTP

Nexus URL 172.31.3.188:8081/nexus

Credentials admin/\*\*\*\*\*



Credentials

GroupId

Version

Repository

Artifacts

Artifact

ArtifactId

Type

Classifier

File

Here we have to go with Nexus2 only

And one more in our nexus server security group should allow traffic from Jenkins server that we have to modify if not done.

**Edit inbound rules**

Type <input type="button" value="i"/>	Protocol <input type="button" value="i"/>	Port Range <input type="button" value="i"/>	Source <input type="button" value="i"/>	Description <input type="button" value="i"/>	<input type="button" value="X"/>
SSH <input type="button" value="v"/>	TCP	22	Custom <input type="button" value="v"/> 183.82.226.41/32	allows from my ip	<input type="button" value="X"/>
Custom TCP f <input type="button" value="v"/>	TCP	8081	Custom <input type="button" value="v"/> 183.82.226.41/32	Allows from my ip	<input type="button" value="X"/>
Custom TCP f <input type="button" value="v"/>	TCP	8081	Custom <input type="button" value="v"/> sg-01a4490014f638eb4	Allows from Jenkins	<input type="button" value="X"/>

NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.

Last entry we have to select custom and need to select Jenkins server security group there.

While using nexus link in jenkins's job always try to use private since both can same vpc.