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NEXUS

2017

Agenda

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NEXUS

Nexus Download

- Download Nexus from [here](#)

https://www.sonatype.com/oss-thank-you-win64.zip

Install

- Copy the war to TOMCAT_HOME/webapps/nexus.war
- Though not required, it is a generally good idea to restart tomcat after installing a new war

        /etc/init.d/tomcat restart

Configure Security

- **a) Change default admin password:** The default admin username/password is admin/admin123. Login as admin and change the password to a secure password.
  - Login -> [admin, admin123] -> Left Menu -> Security -> Change Password -> click "Change Password"
- **b) Anonymous Access:** By default Nexus is open to the public. If you want to secure access to nexus, disable 'Nexus anonymous user'
  - Admin -> Left Menu -> Users -> 'Nexus anonymous user' -> Status=Disabled
- **c) Deployment user:** Change password for deployment user
  - Admin -> Left menu -> Users -> Deployment user -> Change email address
  - Admin -> Left menu -> Users -> Right click on 'Deployment user' in the user list -> Set Password -> click 'Set password' to finish

Set SMTP Server

Configure SMTP server, so that we can receive emails from Nexus

Admin login -> Left menu -> Administration -> Server ->SMTP Settings -> (host localhost, port 25, no login, no password mostly works on a linux machine)

Change Base URL

•If you are running Nexus behind Apache using mod_jk or mod_proxy, change your base url here.

•Admin login -> Left menu -> Administration -> Server -> Application Server Settings -> Base url

Add a task to periodically remove old snapshots

If you or your CI server publishes snapshots to Nexus several times a day, then you should consider adding a task to delete duplicate/old snapshots for the same GAV (group, artifact, version). If you don't do this, you will notice that the Nexus disk usage will increase with time.

Admin login -> Left menu -> Administration -> Scheduled tasks -> Add… -> name="Remove old snapshots", Repository/Group=Snapshots (Repo), Minimum Snapshot Count=1, Snapshot Retention(days)=3, Recurrence=Daily, Recurring time=2:00 -> click 'Save'

Using Nexus: reading and publishing artifacts

If you want to deploy your artifacts to your Nexus, you need to configure 2 files: pom.xml and settings.xml

a) pom.xml – for each project which wishes to publish to Nexus, add your repo to the pom.xml

```
<distributionManagement>
<!-- Publish the versioned releases here -->
<repository>
<id>vineetmanohar-nexus</id>
<name>vineetmanohar nexus</name>
<url>dav:http://nexus.vineetmanohar.com/nexus/content/repositories/release
s</url>
</repository>

<!-- Publish the versioned releases here -->
<snapshotRepository>
<id>vineetmanohar-nexus</id>
<name>vineetmanohar nexus</name>
<url>dav:http://nexus.vineetmanohar.com/nexus/content/repositories/snapsho
ts</url>
</snapshotRepository>
</distributionManagement>
```

Using Nexus: reading and publishing artifacts

```xml
<!-- download artifacts from this repo -->
<repositories>
<repository>
<id>vineetmanohar-nexus</id>
<name>vineetmanohar</name>
<url>http://nexus.vineetmanohar.com/nexus/content/groups/public</url>
<releases>
<enabled>true</enabled>
</releases>
<snapshots>
<enabled>true</enabled>
</snapshots>
</repository>
</repositories>

<!-- download plugins from this repo -->
<pluginRepositories>
<pluginRepository>
<id>vineetmanohar-nexus</id>
<name>vineetmanohar</name>
<url>http://nexus.vineetmanohar.com/nexus/content/groups/public</url>
<releases>
<enabled>true</enabled>
</releases>
<snapshots>
<enabled>true</enabled>
</snapshots>
</pluginRepository>
</pluginRepositories>
```

Using Nexus: reading and publishing artifacts

- **b) settings.xml** – If you have disabled anonymous access to Nexus, add the deployment password to your **~/.m2/repository/settings.xml** file

```
<settings>
<servers>
<server>
<!-- this id should match the id of the repo server in pom.xml -->
<id>vineetmanohar-nexus</id>
<username>deployment</username>
<password>password_goes_here</password>
</server>
</servers>
</settings>
```

THANK YOU

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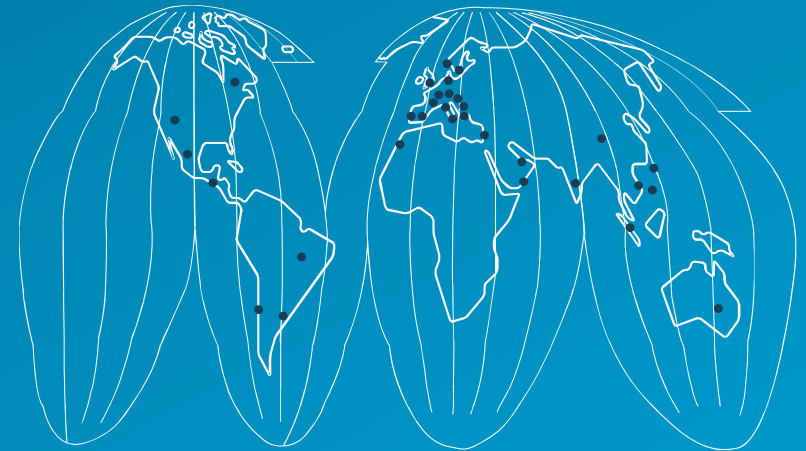## People matter, results count.

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