



Module Checklist

Artifact Repository Manager

By Techworld with Nana



Video Overview

- ★ Introduction to Artifact Repository Manager
- ★ Install and Run Nexus on Droplet
- ★ Nexus UI Tour
- ★ Repository Types
- ★ Publish Artifact to Nexus
- ★ Nexus API
- ★ Blob Store
- ★ Component vs Asset
- ★ Cleanup Policies

Demo Infos	
Java Gradle Project	https://gitlab.com/nanuchi/java-app
Java Maven Project	https://gitlab.com/nanuchi/java-maven-app

Check your progress... 1/3

Introduction to Artifact Repository Manager

- ☐ Watched video

Install and Run Nexus on Droplet

- ☐ Watched video
- ☐ Demo executed
 - ☐ Installed Nexus on DigitalOcean Droplet
 - ☐ Created a new Linux User for Nexus
 - ☐ Changed permissions of Nexus executable and sonatype-work folder
 - ☐ Set Nexus configuration to run as Nexus User (nexus.rc file)
 - ☐ Started Nexus with Nexus User
 - ☐ Configured Firewall Rules to open port 8081 to access Nexus from browser

Useful Links:

- Nexus Download URLs: <https://help.sonatype.com/repomanager3/download>

Useful Commands:

```
apt update
apt install openjdk-8-jre-headless
apt install net-tools

cd /opt
wget https://download.sonatype.com/nexus/3/latest-unix.tar.gz
tar -zxvf latest-unix.tar.gz

adduser nexus
chown -R nexus:nexus nexus-3.28.1-01
chown -R nexus:nexus sonatype-work

vim nexus-3.28.1-01/bin/nexus.rc
run_as_user="nexus"

su - nexus
/opt/nexus-3.28.1-01/bin/nexus start

ps aux | grep nexus
netstat -lnpt
```



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Nexus UI Tour

- ☒ Watched video

Repository Types

- ☒ Watched video

Useful Links:

- Nexus Repository Types:
<https://help.sonatype.com/repomanager2/configuration/managing-repositories>



Publish Artifact to Nexus

- ☒ Watched video
- ☒ **Demo executed**
 - ☒ Created new User on Nexus with permission to upload artifacts
 - ☒ Java Gradle Project: Build Jar File & Upload Jar File to Nexus
 - ☒ Java Maven Project: Build Jar File & Upload Jar File to Nexus

Nexus API & Repository URLs

- ☒ Watched video
- ☒ **Demo executed**
 - ☒ Queried Repositories
 - ☒ Queried components of a repository
 - ☒ Queried assets of a component

Useful Links:

- API Reference:
<https://help.sonatype.com/repomanager3/integrations/rest-and-integration-api>

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Blob Store

- ☐ Watched video
- ☒ **Demo executed** - create a new blob store

Component vs Asset

- ☐ Watched video

Cleanup Policies

- ☐ Watched video
- ☒ **Demo executed**
 - ☐ Created new cleanup policy
 - ☐ Attached to a repository
 - ☐ Execute task manually

