



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	<a href="https://gitlab.com/nanuchi/java-app">https://gitlab.com/nanuchi/java-app</a>
Java Maven Project	<a href="https://gitlab.com/nanuchi/java-maven-app">https://gitlab.com/nanuchi/java-maven-app</a>

# 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

## Blob Store

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

# Check your progress... 3/3



## Component vs Asset

- ☐ Watched video

## Cleanup Policies

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



# More Resources...

## Best practices

- **Security:** Create own Linux User for Nexus on Droplet

