

# Module Checklist Artifact Repository Manager

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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



■ 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: <a href="https://help.sonatype.com/repomanager3/download">https://help.sonatype.com/repomanager3/download</a>

#### **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**

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## **Repository Types**

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#### **Useful Links:**

- Nexus Repository Types:

<a href="https://help.sonatype.com/repomanager2/configuration/managing-repositories">https://help.sonatype.com/repomanager2/configuration/managing-repositories</a>

## 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



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## **Component vs Asset**

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## **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

