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

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
```

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

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❏ **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

Component vs Asset

❏   Watched video

Cleanup Policies

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

DEVOPS
BOOTCAMP

Best practices

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