

Nexus 설치 및 설정 가이드

이 문서는 Nexus 설치 가이드를 공유하기 위해 작성되었다.

- **준비작업**
- **Windows 설치하기**
 - 압축해제
 - nexus.properties 설정
 - nexus 시작
 - nexus 접속
- **Linux 설치하기**
 - 계정 생성
 - 설치 다운로드
 - 압축 해제
 - 서비스 등록 설정
 - 서비스 시작
- **설정**
 - 접속
 - 설정
 - Update Index 실행
 - pom.xml 수정
 - nexus 이전

준비작업

- Java JDK 사전 설치
- 다운로드 : <https://www.sonatype.com/download-oss-sonatype>

Windows 설치하기

압축해제

다운로드 받은 설치 파일을 적당한 폴더에 압축을 해제한다.

nexus.properties 설정

conf/nexus.properties 파일에서 포트 등 적절한 설정을 수행한다.

nexus 시작

모든 설정이 완료되면 아래 명령을 통해 nexus를 실행한다.

```
nexus install
nexus start
```

nexus 접속

아래 주소로 nexus에 접속한다.

- localhost:8081/nexus

Linux 설치하기

계정 생성

먼저 nexus 계정 생성한다.

```
useradd nexus
su - nexus
```

설치 다운로드

```
wget http://www.sonatype.org/downloads/nexus-latest-bundle.tar.gz --no-check-certificate
```

압축 해제

```
tar zxvf nexus-2.14.0-01-bundle.tar.gz
```

서비스 등록 설정

```
cp /nexus/nexus-2.14.0-01/bin/nexus /etc/init.d/nexus  
vi /etc/init.d/nexus
```

```
#NEXUS_HOME=".."
NEXUS_HOME="/home/nexus/nexus-2.14.0-01"
```

```
#RUN_AS_USER=  
RUN_AS_USER=nexus
```

```
#PIDDIR="."
PIDDIR="/home/nexus"
```

서비스 시작

다음 명령을 통해 nexus 서비스를 시작할 수 있다.

```
service nexus start
```

다음 명령을 통해 실행 여부를 확인할 수 있다.

```
ps -ef | grep nexus | grep -v grep  
  
netstat -tnlp | grep java
```

설정

접속

http://서버주소:8081/nexus

설정

Download Remote Indexed를 True로 변경한다.

Nexus Repository Manager OSS admin ▼
Nexus Repository Manager OSS 2.14.7-01

Artifact Search
Advanced Search
Views/Repositories
Repositories
Repository Targets
Routing
System Feeds
Security
Administration
Help

Welcome Repositories

Refresh Add Delete Trash User Managed Repositories

Repository	Type	Health Check	Format	Policy	Repository Status	Repository Path
Public Repositories	group	ANALYZE	maven2			http://localhost:8081/nexus/content/groups/public
3rd party	hosted	ANALYZE	maven2	Release	In Service	http://localhost:8081/nexus/content/repositories/thirdparty
Apache Snapshots	proxy	ANALYZE	maven2	Snapshot	In Service	http://localhost:8081/nexus/content/repositories/apache-snapshots
Central	proxy	ANALYZE	maven2	Release	In Service	http://localhost:8081/nexus/content/repositories/central
Central M1 shadow	virtual	ANALYZE	maven1	Release	In Service	http://localhost:8081/nexus/content/shadows/central-m1
Releases	hosted	ANALYZE	maven2	Release	In Service	http://localhost:8081/nexus/content/repositories/releases
Snapshots	hosted	ANALYZE	maven2	Snapshot	In Service	http://localhost:8081/nexus/content/repositories/snapshots

Central

Browse Index Browse Remote Browse Storage **Configuration** Health Check Routing Summary

Repository ID: central
Repository Name: Central
Repository Type: proxy
Provider: Maven2
Format: maven2
Repository Policy: Release

Default Local Storage Location: Users/tom.seo/Downloads/nexus-2.14.7-01-bundle/sonatype-work/nexus/storage/central/

Override Local Storage Location:

Remote Repository Access

Remote Storage Location: https://repo1.maven.org/maven2/
Download Remote Indexes: True
Auto Blocking Enabled: True
File Content Validation: True

Save Reset

Update Index 실행

Nexus Repository Manager OSS admin ▼
Nexus Repository Manager OSS 2.14.7-01

Artifact Search
Advanced Search
Views/Repositories
Repositories
Repository Targets
Routing
System Feeds
Security
Administration
Help

Welcome Repositories

Refresh Add Delete Trash User Managed Repositories

Repository	Type	Health Check	Format	Policy	Repository Status	Repository Path
Public Repositories	group	ANALYZE	maven2			http://localhost:8081/nexus/content/groups/public
3rd party	hosted	ANALYZE	maven2	Release	In Service	http://localhost:8081/nexus/content/repositories/thirdparty
Apache Snapshots	proxy	ANALYZE	maven2	Snapshot	In Service	http://localhost:8081/nexus/content/repositories/apache-snapshots
Central	proxy	ANALYZE	maven2	Release	In Service	http://localhost:8081/nexus/content/repositories/central
Central M1 shadow	virtual	ANALYZE	maven1	Release	In Service	http://localhost:8081/nexus/content/shadows/central-m1
Releases	hosted	ANALYZE	maven2	Release	In Service	http://localhost:8081/nexus/content/repositories/releases
Snapshots	hosted	ANALYZE	maven2	Snapshot	In Service	http://localhost:8081/nexus/content/repositories/snapshots

Central

Browse Index Browse Remote Browse Storage **Configuration** Health Check Routing Summary

Repository ID: central
Repository Name: Central
Repository Type: proxy
Provider: Maven2
Format: maven2
Repository Policy: Release

Default Local Storage Location: Users/tom.seo/Downloads/nexus-2.14.7-01-bundle/sonatype-work/nexus/storage/central/

Override Local Storage Location:

Remote Repository Access

Remote Storage Location: https://repo1.maven.org/maven2/
Download Remote Indexes: True
Auto Blocking Enabled: True
File Content Validation: True

Save Reset

pom.xml 수정

빌드를 위해 maven pom.xml에 다음을 추가한다.

```
<repositories>
  <repository>
    <id>central</id>
    <url>http://127.0.0.1:8081/nexus/content/groups/public</url>
    <releases><enabled>true</enabled></releases>
    <snapshots><enabled>true</enabled></snapshots>
  </repository>
</repositories>

<pluginRepositories>
  <pluginRepository>
    <id>central</id>
    <url>http://127.0.0.1:8081/nexus/content/groups/public</url>
    <releases><enabled>true</enabled></releases>
    <snapshots><enabled>true</enabled></snapshots>
  </pluginRepository>
</pluginRepositories>
```

nexus 이전

만약 nexus에 대한 이전이 필요하면, workingDirectory 이전한다.

The screenshot displays the Nexus Repository Manager OSS web interface. The left sidebar contains navigation links for Sonatype, Artifact Search, Views/Repositories, Security, Administration, Analytics, Capabilities, Logging, Plugin Console, Scheduled Tasks, Server, Support Tools, and Help. The main content area shows the 'Support Tools' section with tabs for System Information and Support ZIP. The 'System Information' tab is active, displaying the following details:

- NEXUS-STATUS**
 - version: 2.14.7-01
 - apiVersion: 2.14.7-01
 - edition: OSS
 - state: STARTED
 - initializedAt: 2018-02-27T01:03:09.459+0000
 - startedAt: 2018-02-27T01:03:11.081+0000
 - lastConfigChange: 2018-02-27T01:03:11.081+0000
 - firstStart: true
 - instanceUpgrade: false
 - configurationUpgraded: false
- NEXUS-CONFIGURATION**
 - installDirectory: C:\Users\tom.seol\Downloads\nexus-2.14.7-01-bundle\nexus-2.14.7-01
 - workingDirectory: C:\Users\tom.seol\Downloads\nexus-2.14.7-01-bundle\sonatype-work\nexus
 - temporaryDirectory: C:\Users\tom.seol\Downloads\nexus-2.14.7-01-bundle\nexus-2.14.7-01\temp
- NEXUS-PROPERTIES**
 - application-conf: C:\Users\tom.seol\Downloads\nexus-2.14.7-01-bundle\nexus-2.14.7-01\sonatype-work\nexus\conf
 - application-host: 0.0.0
 - application-port: 8081
 - bundleBasedir: C:\Users\tom.seol\Downloads\nexus-2.14.7-01-bundle\nexus-2.14.7-01
 - java.awt.headless: true
 - networkaddress.cache.ttl: 3600
 - nexus-app: C:\Users\tom.seol\Downloads\nexus-2.14.7-01-bundle\nexus-2.14.7-01\nexus\WEB-INF
 - nexus-webapp: C:\Users\tom.seol\Downloads\nexus-2.14.7-01-bundle\nexus-2.14.7-01\nexus
 - nexus-webapp-context-path: /nexus
 - nexus-work: C:\Users\tom.seol\Downloads\nexus-2.14.7-01-bundle\sonatype-work\nexus
 - org.eclipse.ecf.provider.filetransfer.retrieve.readTimeout: 30000
 - org.osgi.framework.bootdelegation: *
 - org.osgi.framework.bundle.parent: framework
 - org.osgi.framework.storage: C:\Users\tom.seol\Downloads\nexus-2.14.7-01-bundle\sonatype-work\nexus\felix-cache
 - org.osgi.framework.storage.clean: onFirstInit
 - runtime: C:\Users\tom.seol\Downloads\nexus-2.14.7-01-bundle\nexus-2.14.7-01\nexus\WEB-INF
 - security.xml.file: C:\Users\tom.seol\Downloads\nexus-2.14.7-01-bundle\nexus-2.14.7-01\sonatype-work\nexus\conf\security.xml
 - storage.diskCache.bufferSize: 4096
- NEXUS-LICENSE**
 - licenseInstalled: false
- NEXUS-PLUGINS**
 - nexus-rrb-plugin: org.sonatype.nexus.plugins
 - artifactid: nexus-rrb-plugin