

Uploading Artifacts on Nexus Server using Command Line

~Neha Singh

Nexus: Nexus is a repository manager. It allows you to a proxy, collect, and manage your dependencies so that you are not constantly juggling a collection of JARs. It makes it easy to distribute your software. Internally, you configure your build to publish artifacts to Nexus and they then become available to other developers.

Benefits:

- Single source of truth for all of your components, binaries, and build artifacts
- Efficiently distribute parts and containers to developers
- Deployed at more than 100,000 organizations globally

Download Nexus version 3.10.1-01

The screenshot shows a web browser window with the URL help.sonatype.com/repomanager3/download/download-archives---repository-manager-3. The page displays download links for three versions of Nexus Repository Manager: 3.19.0-01, 3.18.1-01, and 3.18.0-01. Each version has a table listing download links for Unix, Windows, and OSX archives. The browser's taskbar at the bottom shows the Windows Start button, a search bar, and several application icons. The system tray in the bottom right corner displays the time as 12:04 and the date as 29-09-2020.

Operating System Link for Download

Unix archive	http://download.sonatype.com/nexus/3/nexus-3.19.0-01-unix.tar.gz (ASC , MD5 , SHA1)
Windows archive	http://download.sonatype.com/nexus/3/nexus-3.19.0-01-win64.zip (ASC , MD5 , SHA1)
OSX archive	http://download.sonatype.com/nexus/3/nexus-3.19.0-01-mac.tgz (ASC , MD5 , SHA1)

Nexus Repository Manager 3.18.1-01

Operating System Link for Download

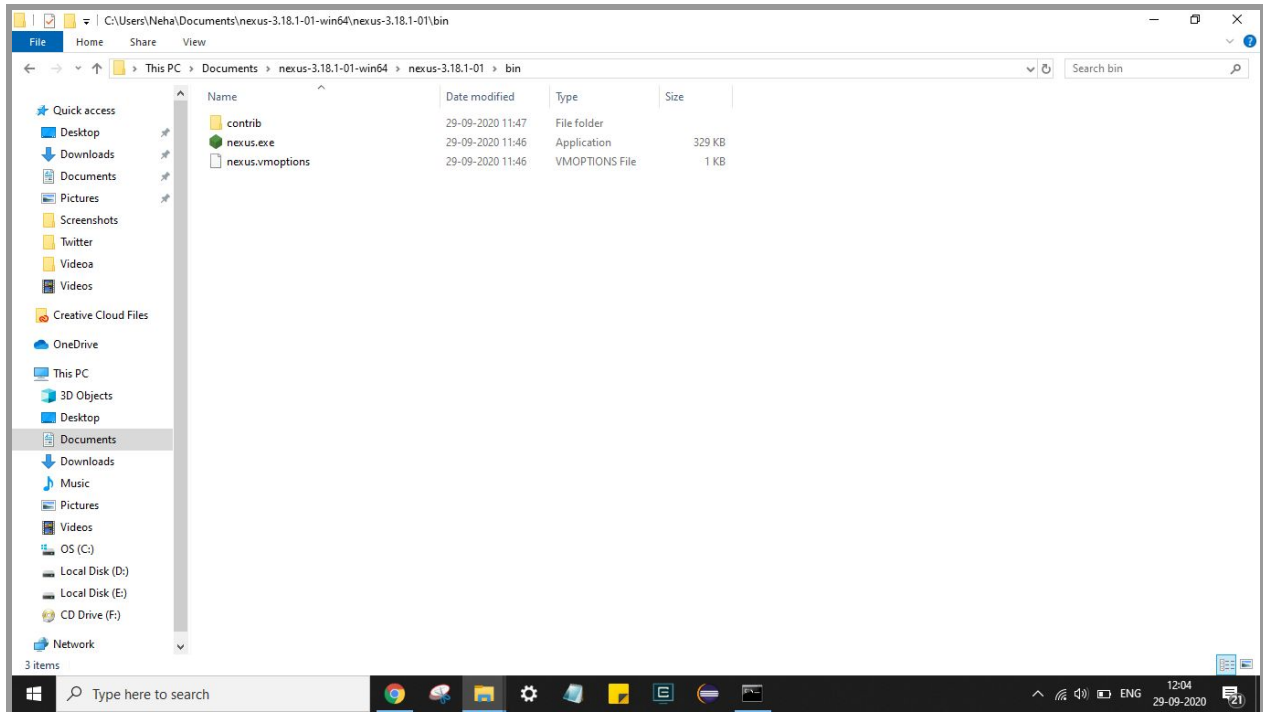
Unix archive	http://download.sonatype.com/nexus/3/nexus-3.18.1-01-unix.tar.gz (ASC , MD5 , SHA1)
Windows archive	http://download.sonatype.com/nexus/3/nexus-3.18.1-01-win64.zip (ASC , MD5 , SHA1)
OSX archive	http://download.sonatype.com/nexus/3/nexus-3.18.1-01-mac.tgz (ASC , MD5 , SHA1)

Nexus Repository Manager 3.18.0-01

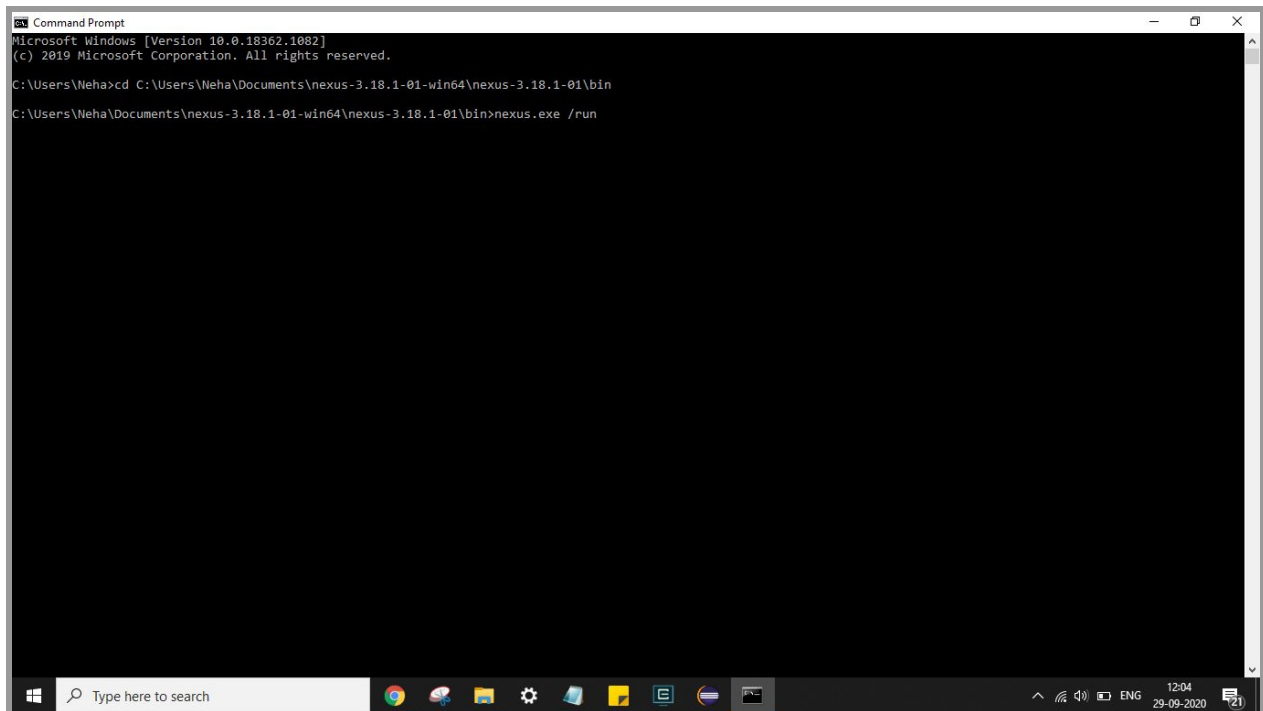
Operating System Link for Download

Unix archive	http://download.sonatype.com/nexus/3/nexus-3.18.0-01-unix.tar.gz (ASC , MD5 , SHA1)
Windows archive	http://download.sonatype.com/nexus/3/nexus-3.18.0-01-win64.zip (ASC , MD5 , SHA1)
OSX archive	http://download.sonatype.com/nexus/3/nexus-3.18.0-01-mac.tgz (ASC , MD5 , SHA1)

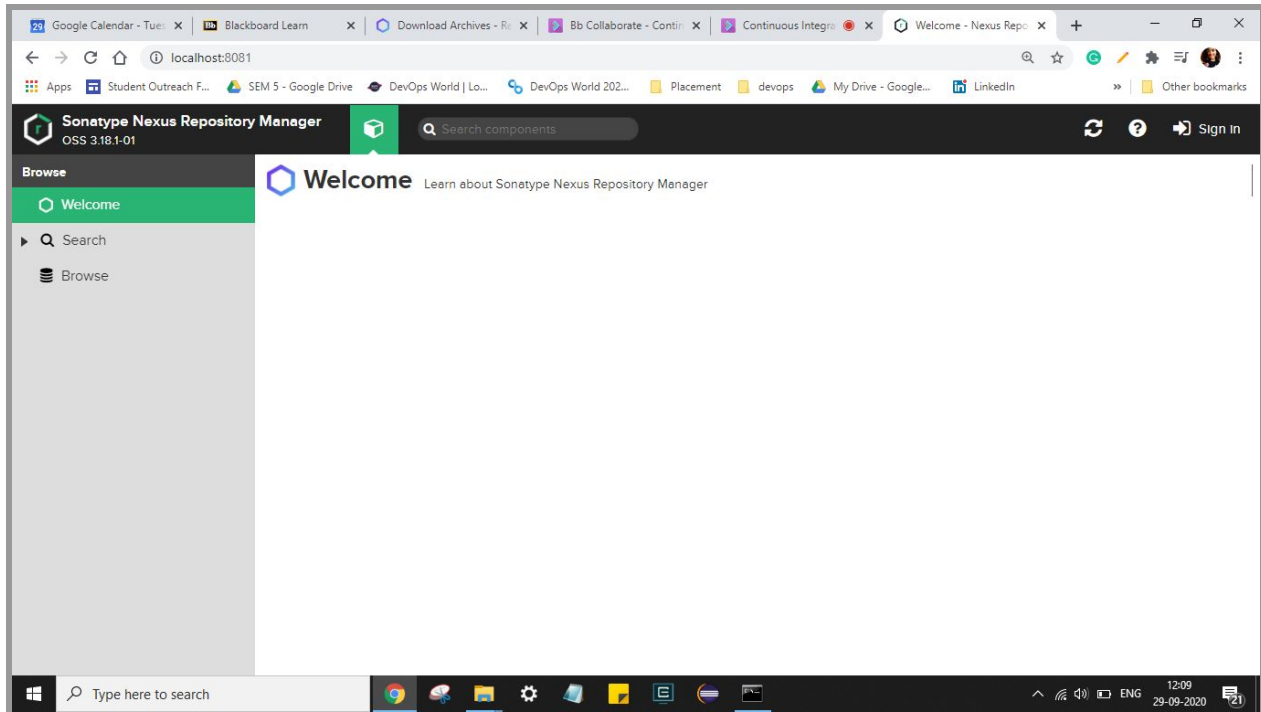
Go To nexus folder then bin folder



Open cmd there and run the command: 'nexus.exe /run'



**You will see this screen after
“Started Sonatype Nexus OSS 3.18.1-01”**



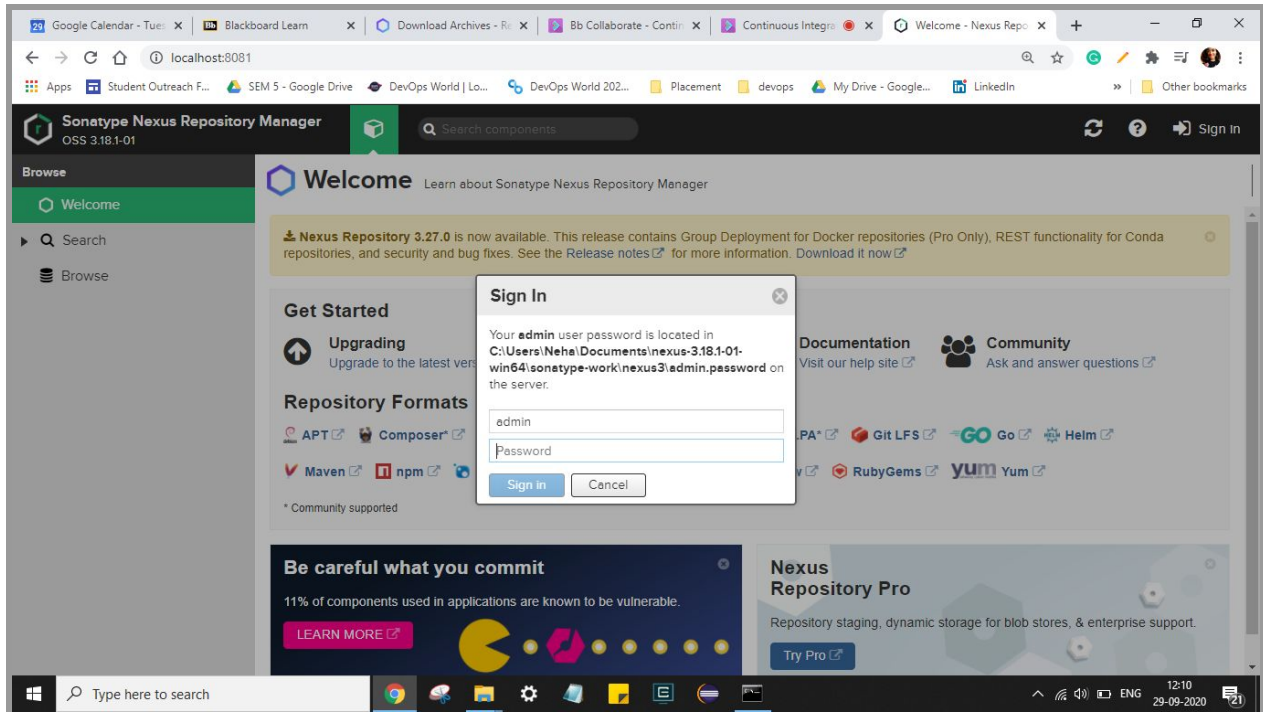
As you see here:

```

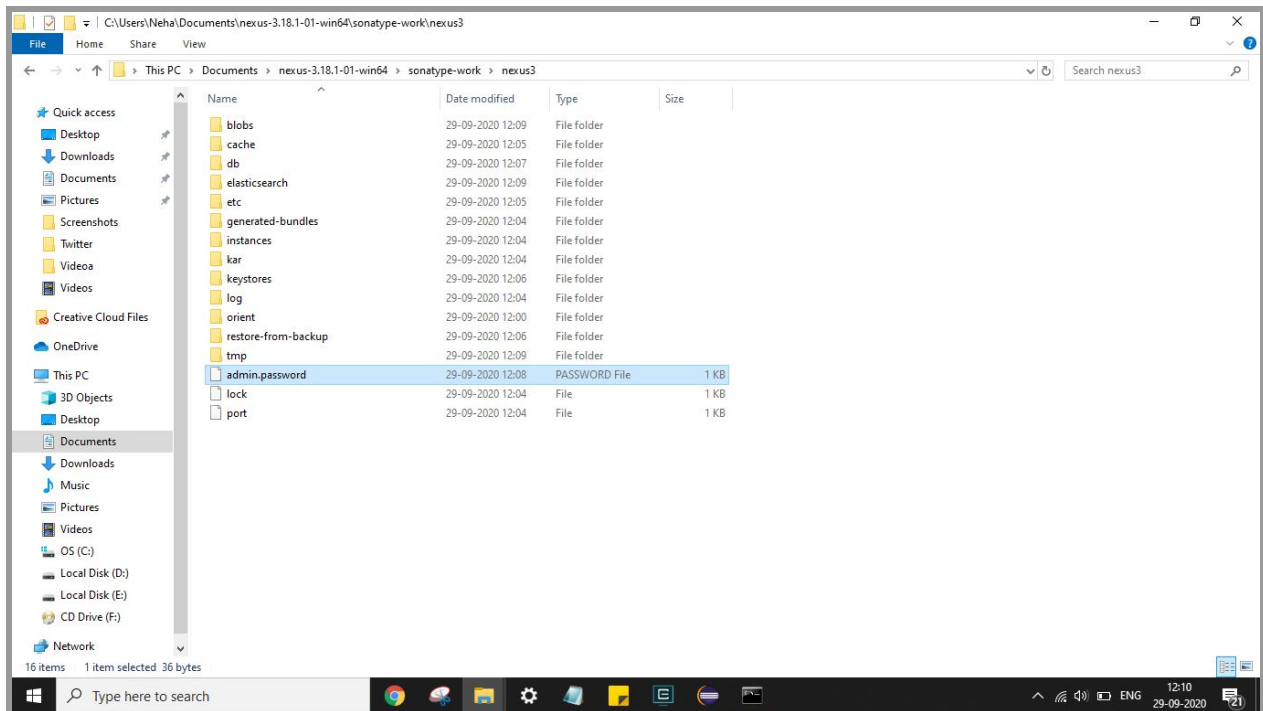
Command Prompt - nexus.exe /run
2020-09-29 12:09:12,078+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - UI plugin descriptors:
2020-09-29 12:09:12,144+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-rapture
2020-09-29 12:09:12,152+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-blobstore-s3
2020-09-29 12:09:12,154+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-proximanova-plugin
2020-09-29 12:09:12,154+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-rutaauth-plugin
2020-09-29 12:09:12,156+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-coreui-plugin
2020-09-29 12:09:12,158+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-proui-plugin
2020-09-29 12:09:12,158+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-repository-pypi
2020-09-29 12:09:12,162+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-onboarding-plugin
2020-09-29 12:09:12,163+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-repository-maven
2020-09-29 12:09:12,167+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-repository-nuget
2020-09-29 12:09:12,169+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-repository-rubygems
2020-09-29 12:09:12,178+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-repository-docker
2020-09-29 12:09:12,173+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-repository-docker
2020-09-29 12:09:12,188+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - Max-age: 30 days (2592000 seconds)
2020-09-29 12:09:12,275+0530 INFO [jetty-main-1] *SYSTEM com.softwarementors.extjs.djn.servlet.DirectJngineServlet - Servlet GLOBAL configuration: debug=false, provide
rsUrl=service/extdirect, minify=false, batchRequestsMultithreadingEnabled=true, batchRequestsMinThreadsPoolSize=16, batchRequestsMaxThreadsPoolSize=80, batchRequestsMax
ThreadsPerRequest=8, batchRequestsMaxThreadKeepAliveSeconds=60, gsonBuilderConfiguratorClass=org.sonatype.nexus.extdirect.internal.ExtDirectGsonBuilderConfigurator, dis
patcherClass=com.softwarementors.extjs.djn.servlet.ssm.SsmDispatcher, jsonRequestProcessorThreadClass=org.sonatype.nexus.extdirect.internal.ExtDirectJsonRequestProcesso
rThread, contextPath=--not specified: calculated via Javascript--, createSourceFiles=true
2020-09-29 12:09:12,279+0530 INFO [jetty-main-1] *SYSTEM com.softwarementors.extjs.djn.servlet.DirectJngineServlet - Servlet GLOBAL configuration: registryConfigurator
Class=
2020-09-29 12:09:12,312+0530 INFO [jetty-main-1] *SYSTEM com.softwarementors.extjs.djn.jscodegen.CodeFileGenerator - Creating source files for APIs...
2020-09-29 12:09:12,653+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.siesta.SiestaServlet - JAX-RS RuntimeDelegate: org.sonatype.nexus.siesta.internal.resteasy.
SisuResteasyProviderFactory@28c6a0e2
2020-09-29 12:09:12,846+0530 INFO [jetty-main-1] *SYSTEM org.jboss.resteasy.plugins.validation.i18n - RESTEASY008550: Unable to find CDI supporting ValidatorFactory. U
sing default ValidatorFactory
2020-09-29 12:09:13,626+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.siesta.SiestaServlet - Initialized
2020-09-29 12:09:13,635+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.repository.httpbridge.internal.ViewServlet - Initialized
2020-09-29 12:09:13,778+0530 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.handler.ContextHandler - Started o.e.j.w.WebAppContext@5986b6fa[Sonatype Nexus/,file
:///C:/Users/Neha/Documents/nexus-3.18.1-01-win64/nexus-3.18.1-01/public/,AVAILABLE]
2020-09-29 12:09:15,854+0530 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.AbstractConnector - Started ServerConnector@6466cf6c[HTTP/1.1,[http/1.1]]{0.0.0.0:808
1}
2020-09-29 12:09:15,857+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.bootstrap.jetty.JettyServer -
-----
Started Sonatype Nexus OSS 3.18.1-01
-----
2020-09-29 12:09:26,892+0530 INFO [qtp1799135863-55] *UNKNOWN org.apache.shiro.session.mgt.AbstractValidatingSessionManager - Enabling session validation scheduler...
2020-09-29 12:09:26,912+0530 INFO [qtp1799135863-55] *UNKNOWN org.sonatype.nexus.internal.security.anonymous.AnonymousManagerImpl - Using default configuration: Anonym
ousConfiguration[enabled=true, userId='anonymous', realmName='NexusAuthorizingRealm']
  
```

Username is admin

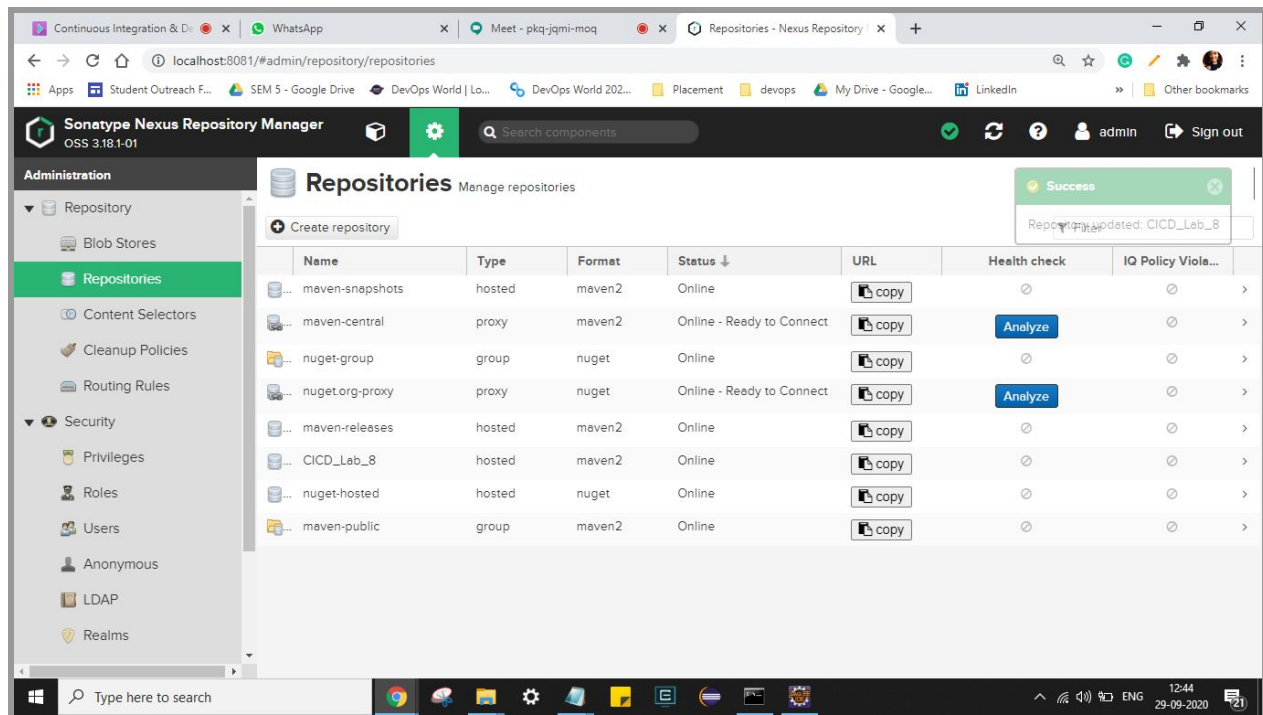
Password you can find in the location mentioned in dialog box inside your local disk



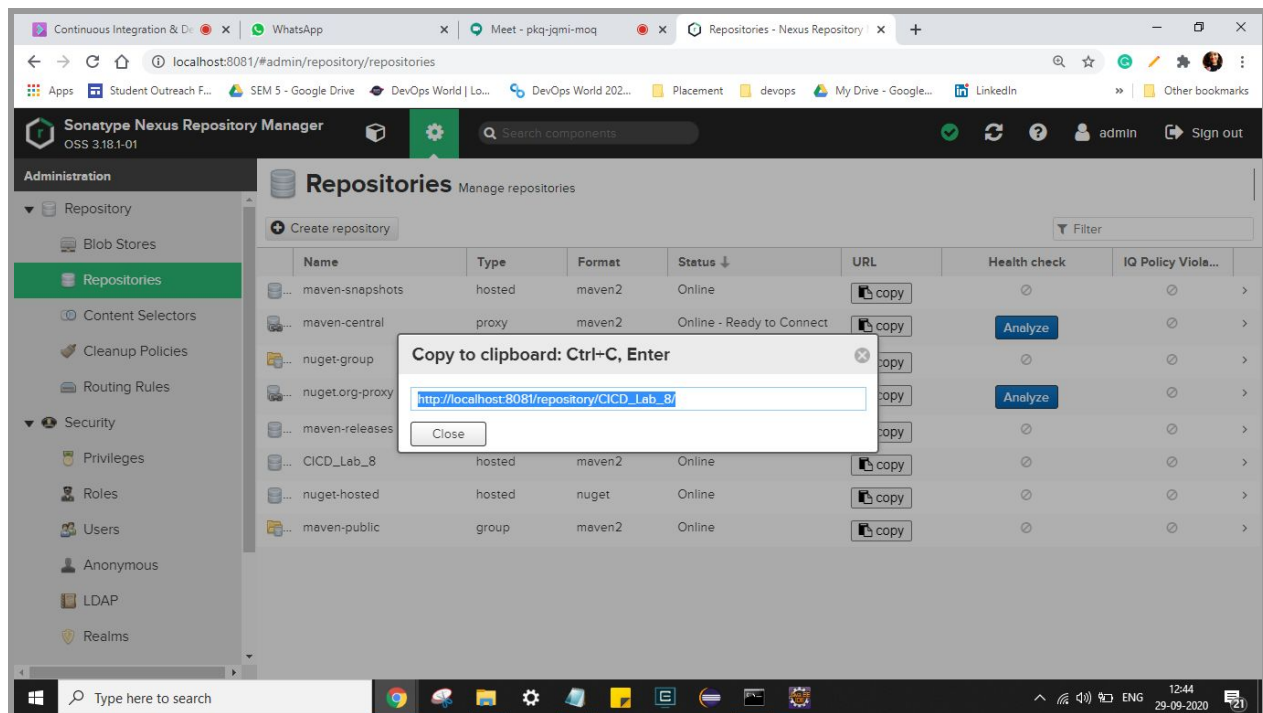
Copy the password and paste it in the dialog box



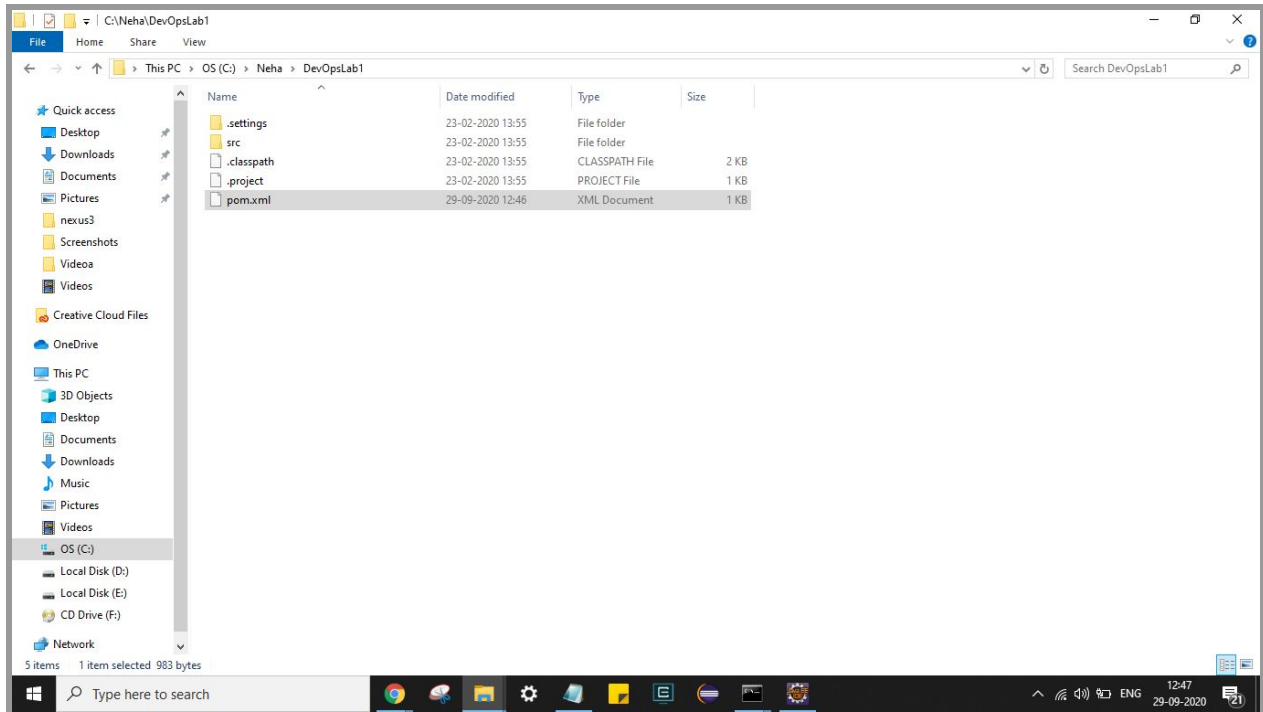
You can change a password in the next steps: then you can see these inside you setting and repositories:



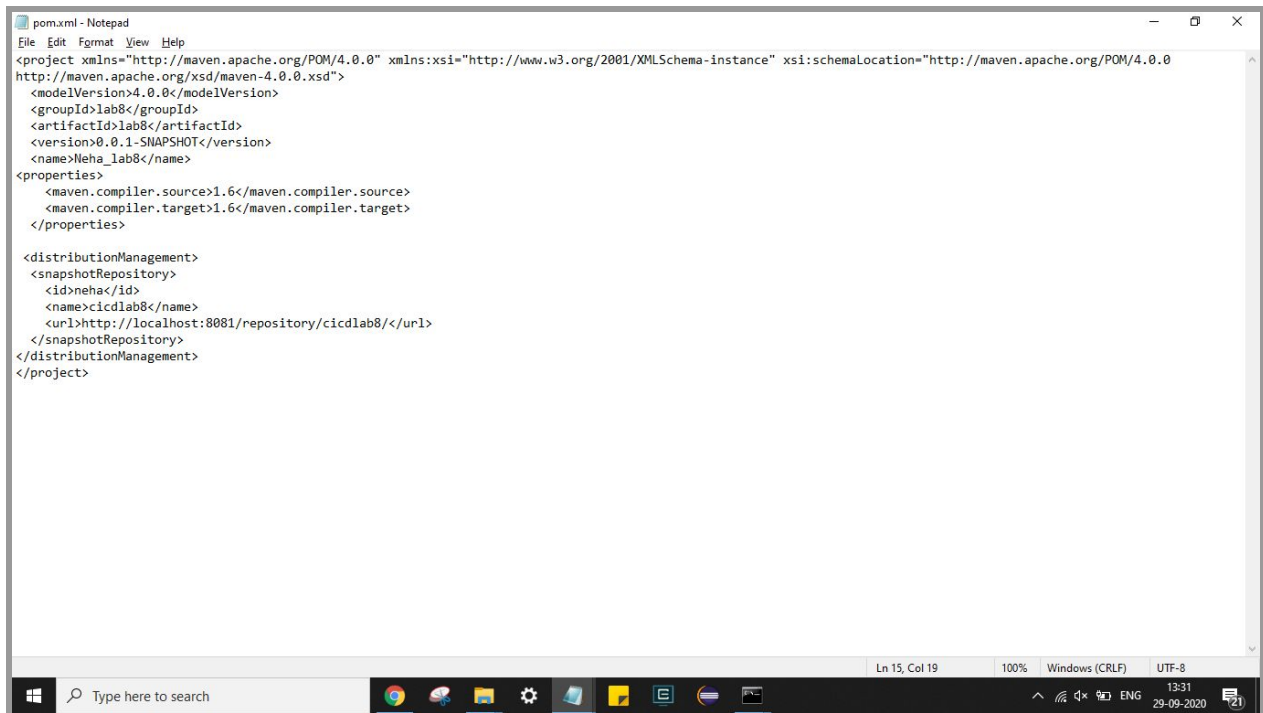
Copy the link for your repository and paste it to your maven project pom.xml



Edit Pom.xml



Pom.xml file



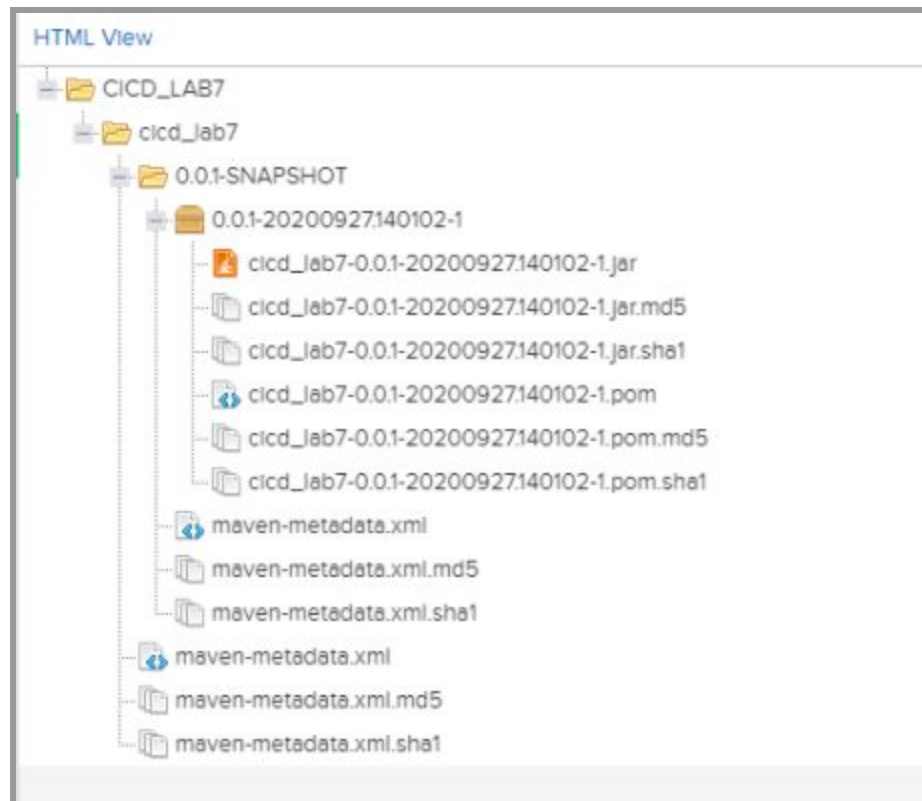
Run maven clean in your file location through cmd:
mvn clean, mvn deploy

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.18362.1082]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Neha\lab8>mvn clean
[INFO] Scanning for projects...
[INFO] -----< lab8:lab8 >-----
[INFO] Building Neha_lab8 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ lab8 ---
[INFO] Deleting C:\Neha\lab8\target
[INFO] BUILD SUCCESS
[INFO] Total time: 1.374 s
[INFO] Finished at: 2020-09-29T12:57:16+05:30
[INFO] -----
C:\Neha\lab8>
```

```
C:\Windows\System32\cmd.exe
[INFO] -----
C:\Neha\lab8>mvn install
[INFO] Scanning for projects...
[INFO] -----< lab8:lab8 >-----
[INFO] Building Neha_lab8 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ lab8 ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ lab8 ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Neha\lab8\target\classes
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ lab8 ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ lab8 ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ lab8 ---
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ lab8 ---
[INFO] Building jar: C:\Neha\lab8\target\lab8-0.0.1-SNAPSHOT.jar
[INFO] --- maven-install-plugin:2.4:install (default-install) @ lab8 ---
[INFO] Installing C:\Neha\lab8\target\lab8-0.0.1-SNAPSHOT.jar to C:\Users\Neha\.m2\repository\lab8\lab8\0.0.1-SNAPSHOT\lab8-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Neha\lab8\pom.xml to C:\Users\Neha\.m2\repository\lab8\lab8\0.0.1-SNAPSHOT\lab8-0.0.1-SNAPSHOT.pom
[INFO] BUILD SUCCESS
[INFO] Total time: 9.804 s
[INFO] Finished at: 2020-09-29T12:57:39+05:30
[INFO] -----
C:\Neha\lab8>
```

Output can be seen in your nexus repository



That's all for this module