



# UPES

## UNIVERSITY WITH A PURPOSE

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SUBJECT: CI-CD Lab 8 (Nexus deployment)

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## Started Nexus

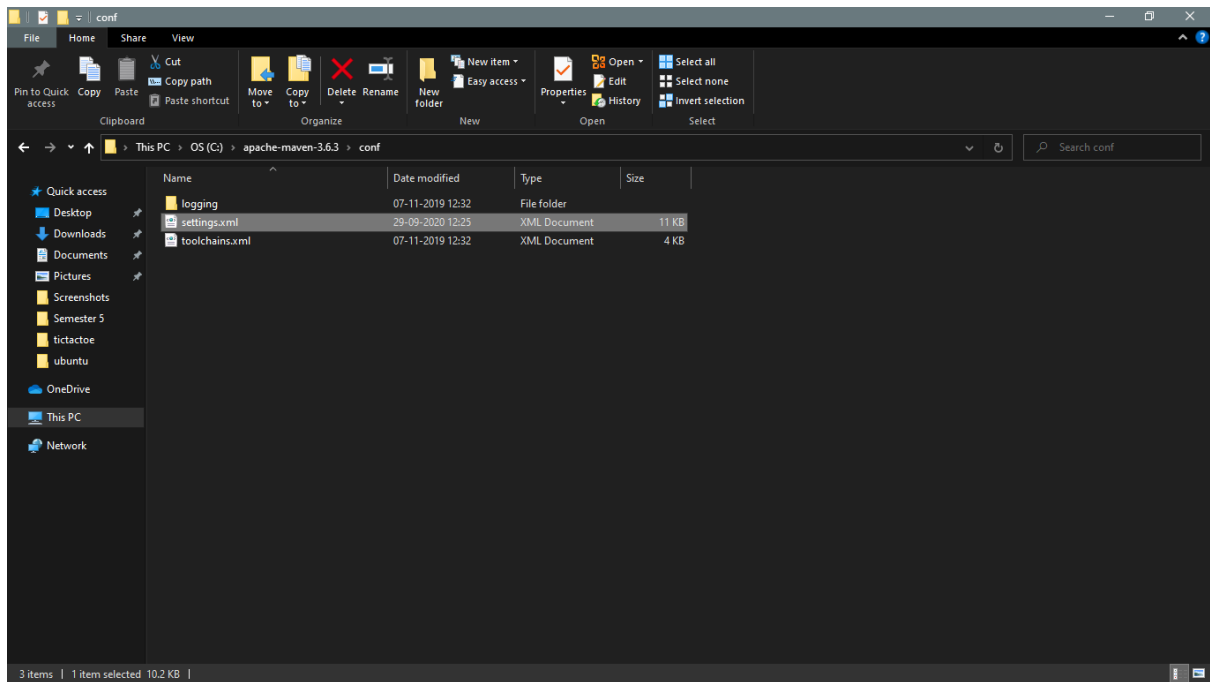
```
Administrator: Command Prompt - nexus.exe /run
duled: cron
2020-09-29 12:09:09,846+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.quartz.internal.task.QuartzTaskInfo - Task 'Task log cleanup' [tasklog.cleanup] : state=
WAITING
2020-09-29 12:09:09,858+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.scheduling.internal.TaskSchedulerImpl - Task 'Task log cleanup' [tasklog.cleanup] schedu
led: cron
2020-09-29 12:09:09,927+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.quartz.internal.QuartzSchedulerSPI - Scheduler put into ready mode
2020-09-29 12:09:09,947+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - UI plugin descriptors:
2020-09-29 12:09:09,949+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-rapture
2020-09-29 12:09:09,950+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-blobstore-s3
2020-09-29 12:09:09,952+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-proximanova-plugin
2020-09-29 12:09:09,955+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-rutauth-plugin
2020-09-29 12:09:09,957+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-coreui-plugin
2020-09-29 12:09:09,957+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-proui-plugin
2020-09-29 12:09:09,958+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-repository-npm
2020-09-29 12:09:09,959+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-repository-pypi
2020-09-29 12:09:09,960+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-repository-maven
2020-09-29 12:09:09,961+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-onboarding-plugin
2020-09-29 12:09:09,962+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-repository-nuget
2020-09-29 12:09:09,962+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-repository-rubygems
2020-09-29 12:09:09,963+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.rapture.internal.RaptureWebResourceBundle - nexus-repository-docker
2020-09-29 12:09:09,971+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.internal.webresources.WebResourceServlet - Max-age: 30 days (2592000 seconds)
2020-09-29 12:09:10,011+0530 INFO [jetty-main-1] *SYSTEM com.sonatype.nexus.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.sonatype.nexus.extjs.djn.servlet.ssm.SsmDispatch, jsonRequestProcessorThreadClass=org.sonatype.nexus.extdirect.internal.ExtDirectJsonRequestProcesso
rThread, contextPath=-not specified: calculated via Javascript--, createSourceFiles=true
2020-09-29 12:09:10,013+0530 INFO [jetty-main-1] *SYSTEM com.sonatype.nexus.extjs.djn.servlet.DirectJNgineServlet - Servlet GLOBAL configuration: registryConfigurator
Class=
2020-09-29 12:09:10,040+0530 INFO [jetty-main-1] *SYSTEM com.sonatype.nexus.extjs.djn.jscodegen.CodeFileGenerator - Creating source files for APIs...
2020-09-29 12:09:10,312+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.siesta.SiestaServlet - JAX-RS RuntimeDelegate: org.sonatype.nexus.siesta.internal.resteasy.
SiSuResteasyProviderFactory@68b59f86
2020-09-29 12:09:10,346+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 12:09:10,825+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.siesta.SiestaServlet - Initialized
2020-09-29 12:09:10,828+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.repository.httpbridge.internal.ViewServlet - Initialized
2020-09-29 12:09:10,866+0530 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.handler.ContextHandler - Started o.e.j.w.WebAppContext@463159fc{Sonatype Nexus,/file
:///C:/Users/Dell/nexus-3.18.1-01/public/AVAILABLE}
2020-09-29 12:09:11,125+0530 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.AbstractConnector - Started ServerConnector@57a6c8c8{HTTP/1.1,[http/1.1]}{0.0.0.0:808
1}
2020-09-29 12:09:11,125+0530 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.Server - Started @303326ms
2020-09-29 12:09:11,127+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.bootstrap.jetty.JettyServer -
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Started Sonatype Nexus OSS 3.18.1-01
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```

## Created a repository on Nexus

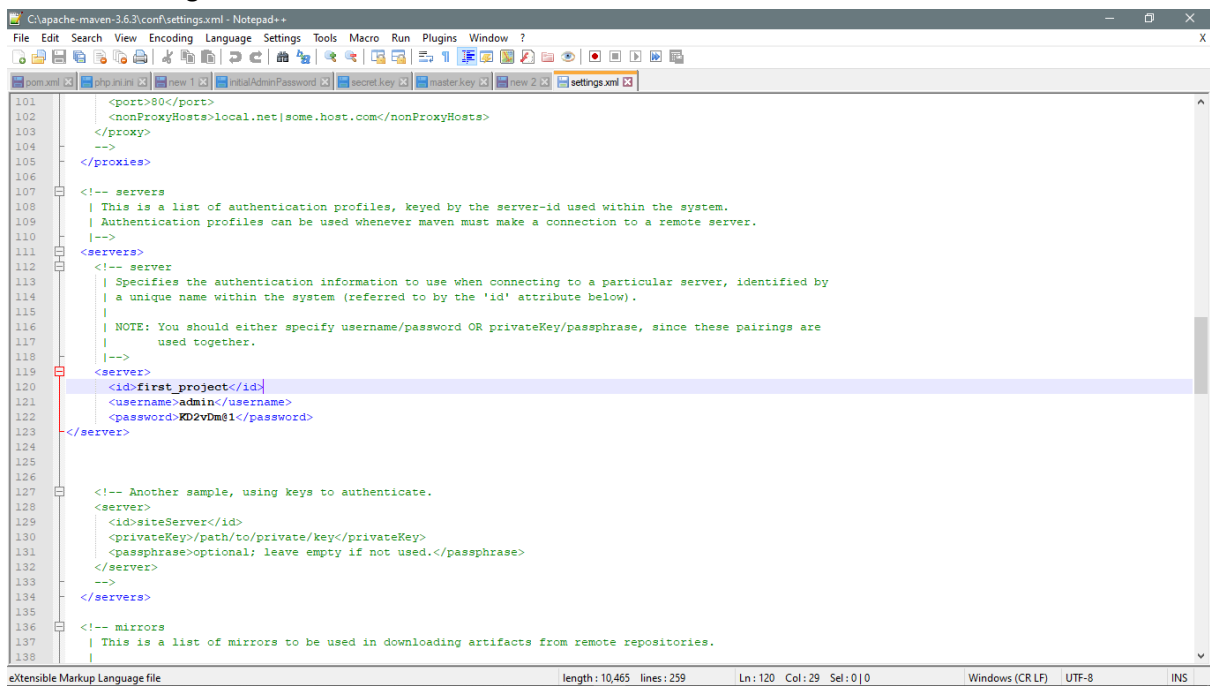
The screenshot shows the Sonatype Nexus Repository Manager web interface. The left sidebar contains navigation links for Administration, Repositories, Content Selectors, Cleanup Policies, Routing Rules, Security, Privileges, Roles, Users, Anonymous, LDAP, Realms, SSL Certificates, IQ Server, and Support. The main area is titled 'Repositories' and shows a table of existing repositories. The table has columns for Name, Type, Format, Status, URL, Health check, and IQ Policy Viola... The repositories listed are first\_project, maven-central, maven-public, maven-releases, maven-snapshots, nuget-group, nuget-hosted, and nuget-org-proxy. Each repository has a 'copy' icon and a 'copy' button. The 'maven-central' and 'nuget-org-proxy' repositories have an 'Analyze' button. The 'maven-central' repository is marked as 'Online - Ready to Connect'.

Name	Type	Format	Status	URL	Health check	IQ Policy Viola...
first_project	hosted	maven2	Online			
maven-central	proxy	maven2	Online - Ready to Connect		Analyze	
maven-public	group	maven2	Online			
maven-releases	hosted	maven2	Online			
maven-snapshots	hosted	maven2	Online			
nuget-group	group	nuget	Online			
nuget-hosted	hosted	nuget	Online			
nuget-org-proxy	proxy	nuget	Online - Ready to Connect		Analyze	

## Opened setting.xml to configure nexus



## Made the changes



Run commands like mvn build, clean and deploy

```
Administrator: Command Prompt
jar to C:\Users\GAURAV\.m2\repository\com\mycompany\SONAR\1.0-SNAPSHOT\SONAR-1.0-SNAPSHOT.jar
[INFO] Installing C:\Users\GAURAV\OneDrive\Documents\NetBeansProjects\Jenkins_Sonarqube\SONAR\pom.xml to C:\Users\GAURAV
\.m2\repository\com\mycompany\SONAR\1.0-SNAPSHOT\SONAR-1.0-SNAPSHOT.pom
[INFO]
[INFO] --- maven-deploy-plugin:2.7:deploy (default-deploy) @ SONAR ---
Downloading from lab8: http://localhost:8081/repository/lab8/com/mycompany/SONAR/1.0-SNAPSHOT/maven-metadata.xml
Uploading to lab8: http://localhost:8081/repository/lab8/com/mycompany/SONAR/1.0-SNAPSHOT/SONAR-1.0-20200929.062632-1.jar
(2.2 kB at 3.2 kB/s)
Uploading to lab8: http://localhost:8081/repository/lab8/com/mycompany/SONAR/1.0-SNAPSHOT/SONAR-1.0-20200929.062632-1.pom
(1.1 kB at 12 kB/s)
Downloading from lab8: http://localhost:8081/repository/lab8/com/mycompany/SONAR/maven-metadata.xml
Uploading to lab8: http://localhost:8081/repository/lab8/com/mycompany/SONAR/1.0-SNAPSHOT/maven-metadata.xml (762 B at 10
kB/s)
Uploading to lab8: http://localhost:8081/repository/lab8/com/mycompany/SONAR/maven-metadata.xml
Uploading to lab8: http://localhost:8081/repository/lab8/com/mycompany/SONAR/maven-metadata.xml (276 B at 4.4 kB/s)
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 2.633 s
[INFO] Finished at: 2020-09-29T11:56:33+05:30
[INFO] -----
[WARNING] The requested profile "profile1" could not be activated because it does not exist.
C:\Users\GAURAV\OneDrive\Documents\NetBeansProjects\Jenkins_Sonarqube\SONAR>
```

Check Nexus

