DEPLOY JAR TO NEXUS USING JENKINS PIPELINE:

PREQUISITES:

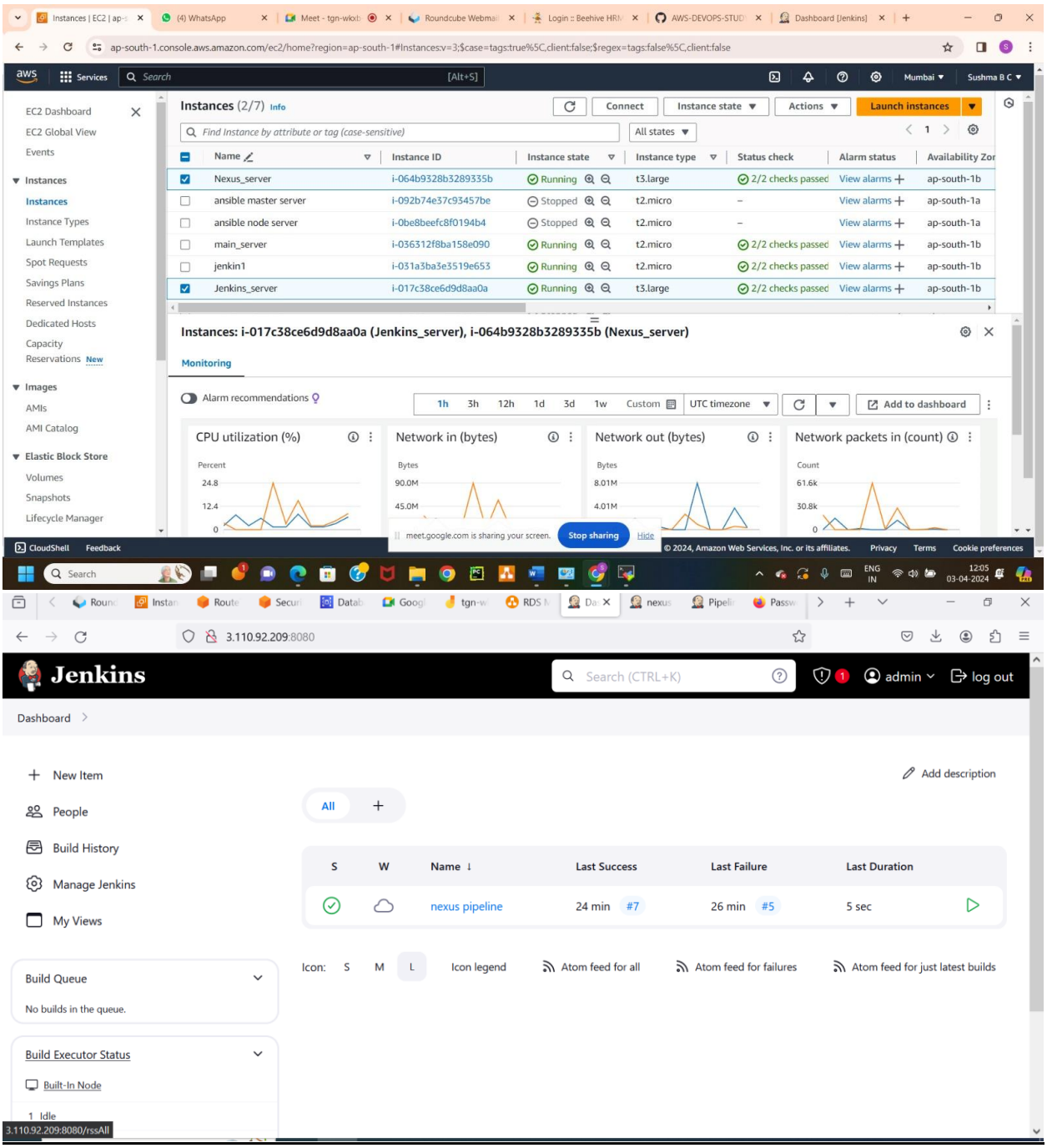
1) **Install Jenkins in one Ec2 server--- name it as Jenkins Master**
   a) Install java
      yum install java-17 -y
      yum install docker -y
      systemctl start docker
      systemctl enable docker
      docker run -d -p 8080:8080 -p 50000:50000 jenkins/jenkins:lts
2) **Install Nexus in Another Ec2 server: t**
   Nexus works on t2.large
   Delete Artifacts in Nexus Repository for every new build otherwise it through the error.
   a) #!/bin/bash
      sudo su -
      yum update -y
      yum install docker -y
      systemctl start docker
      systemctl enable docker
      docker run -d -p 8081:8081 --name nexus sonatype/nexus3
   b) Connect this nexus server to jenkins master --- nexus server act as a jenkins slave
      Install java
      yum install java-17 -y
      yum install git -y
      yum install maven -y

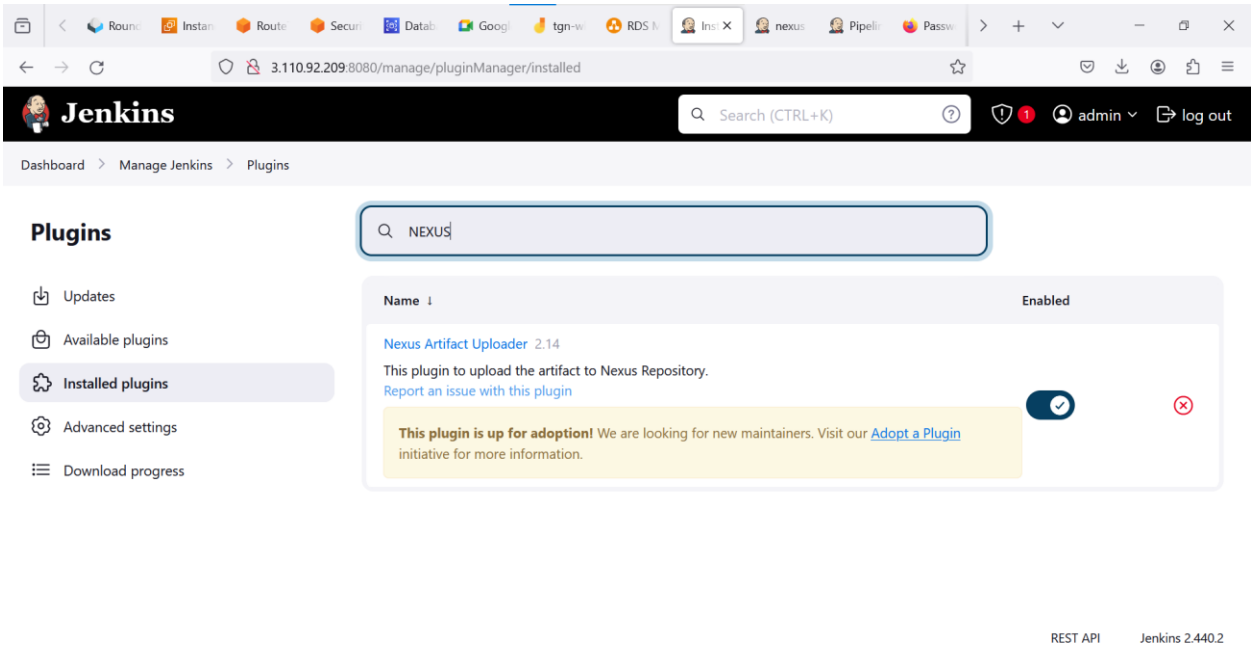
      curl -sO http://3.110.92.209:8080/jnlpJars/agent.jar
      java -jar agent.jar -url http://3.110.92.209:8080/ -secret 7cc71cd20163ae6749af44e5ead385c8dfc7b220990fce3c6553ac9ede4dced5 -name "slave-1" -workDir "/home/ec2-user/"

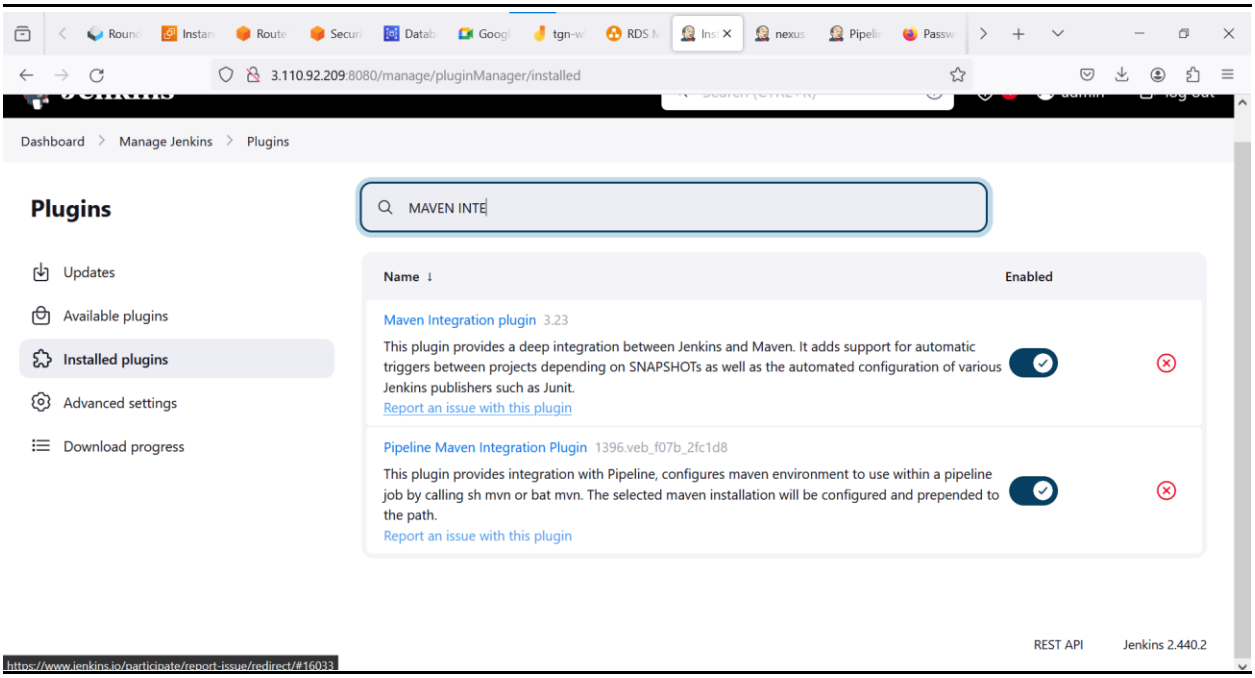
      Plugins Required:
      1) Nexus Artifact Uploader
      2) Maven Integration

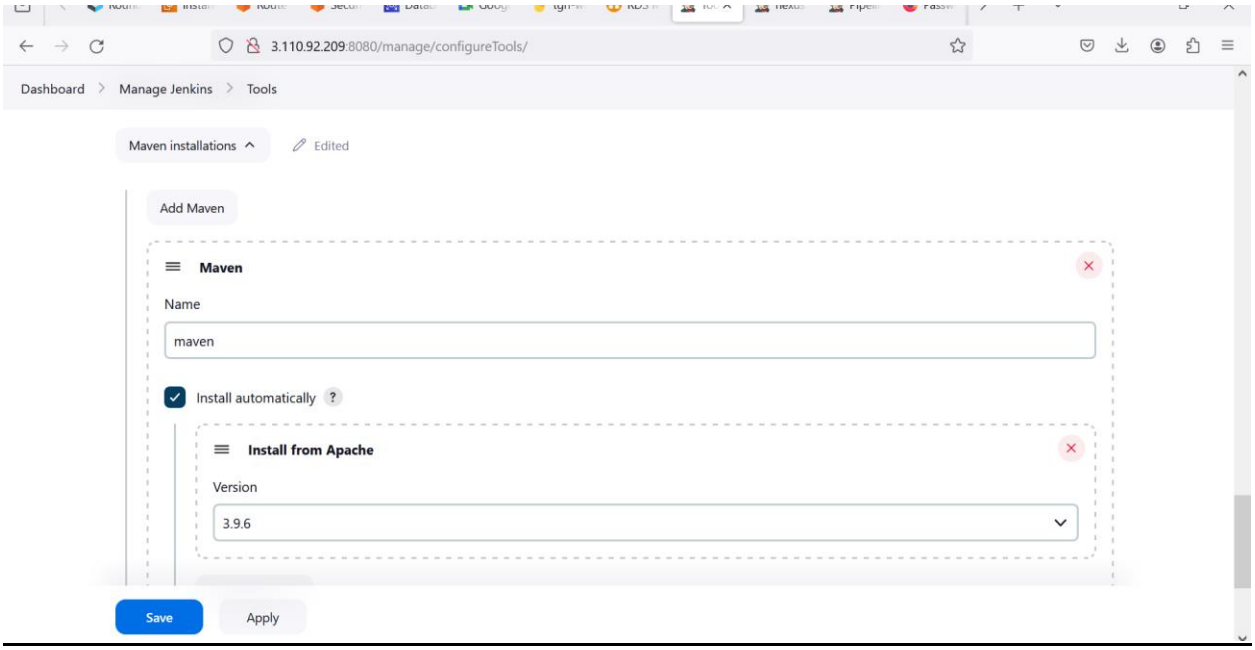
Go to manage Jenkins – tools -add maven – name -maven

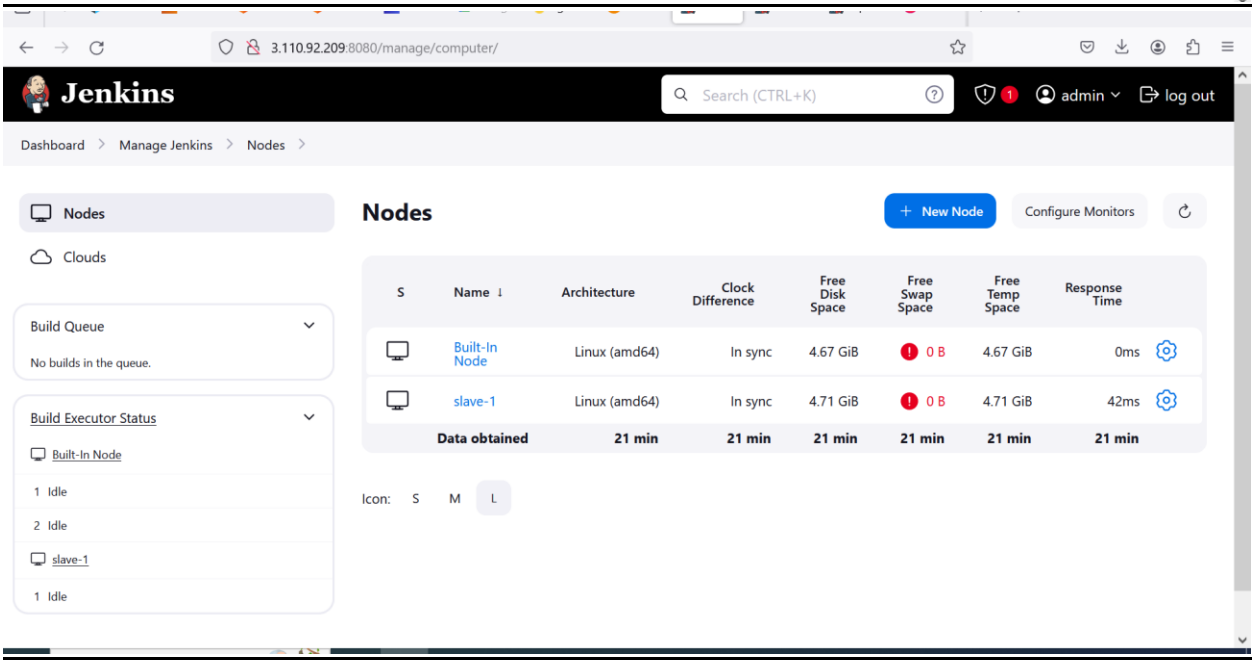
Apply-save

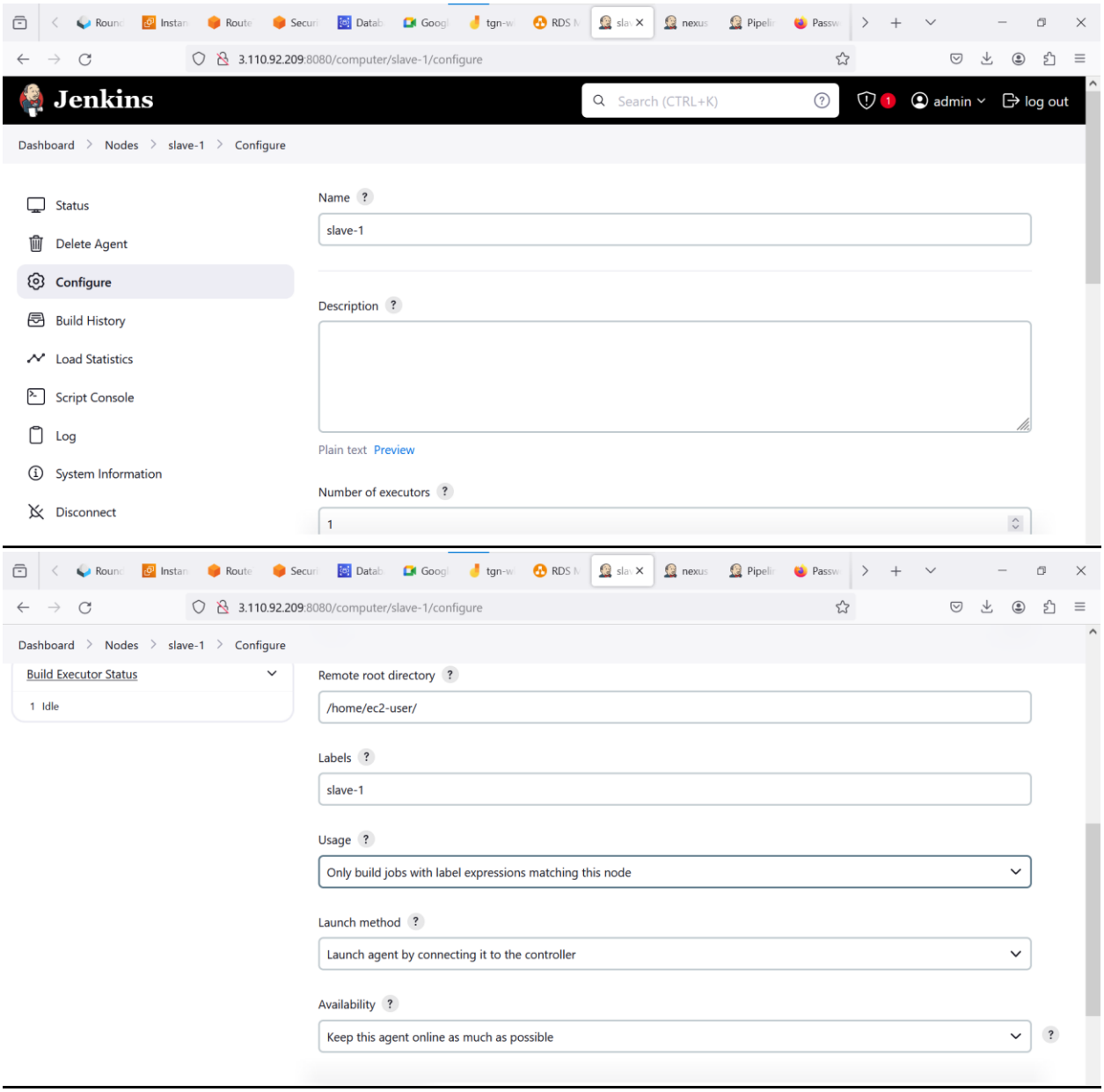

Instances (2/7) Info
Connect
Instance state
Actions
Launch instances
Nexus_server
ansible master server
ansible node server
main_server
jenkin1
Jenkins_server
Instances: i-017c38ce6d9d8aa0a (Jenkins_server), i-064b9328b3289335b (Nexus_server)
Monitoring
CPU utilization (%)
Network in (bytes)
Network out (bytes)
Network packets in (count)
Jenkins
Dashboard
New Item
People
Build History
Manage Jenkins
My Views
nexus pipeline
Build Queue
No builds in the queue.
Build Executor Status
Built-In Node

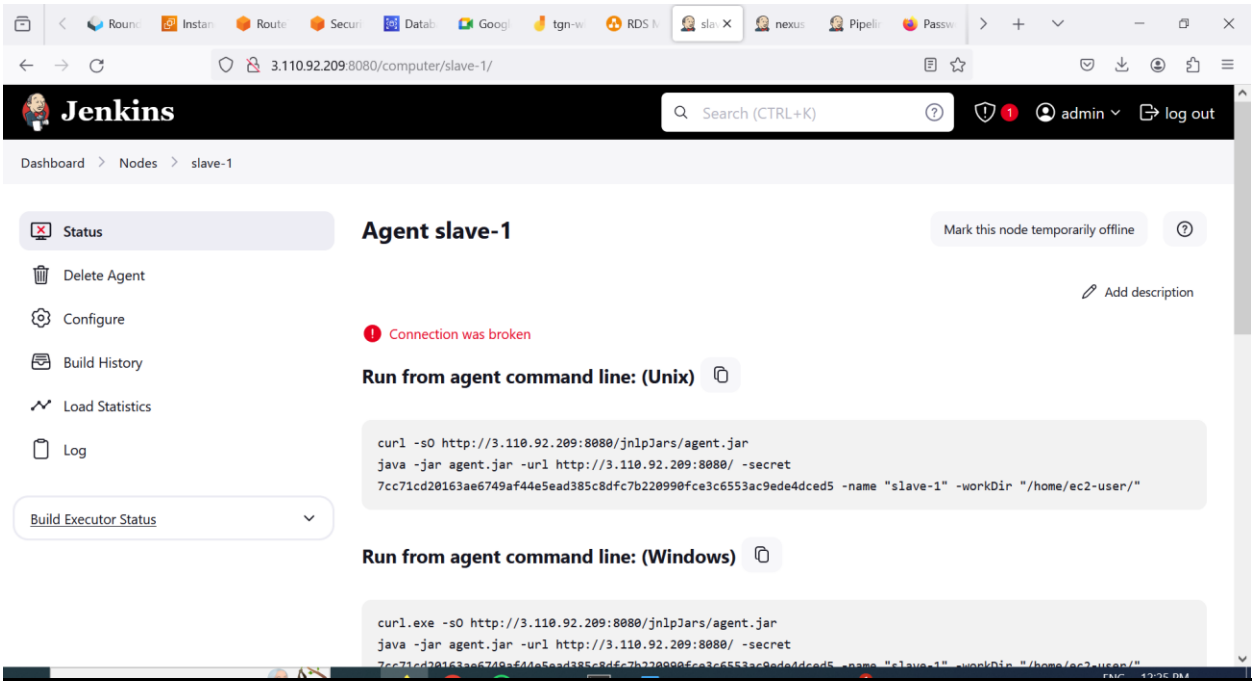

3.110.92.209:8080/manage/pluginManager/installed
Jenkins
Search (CTRL+K)
admin
log out
Dashboard > Manage Jenkins > Plugins
Plugins
NEXUS
Updates
Available plugins
Installed plugins
Advanced settings
Download progress
Name
Enabled
Nexus Artifact Uploader 2.14
This plugin to upload the artifact to Nexus Repository.
Report an issue with this plugin
This plugin is up for adoption! We are looking for new maintainers. Visit our Adopt a Plugin initiative for more information.
REST API
Jenkins 2.440.2

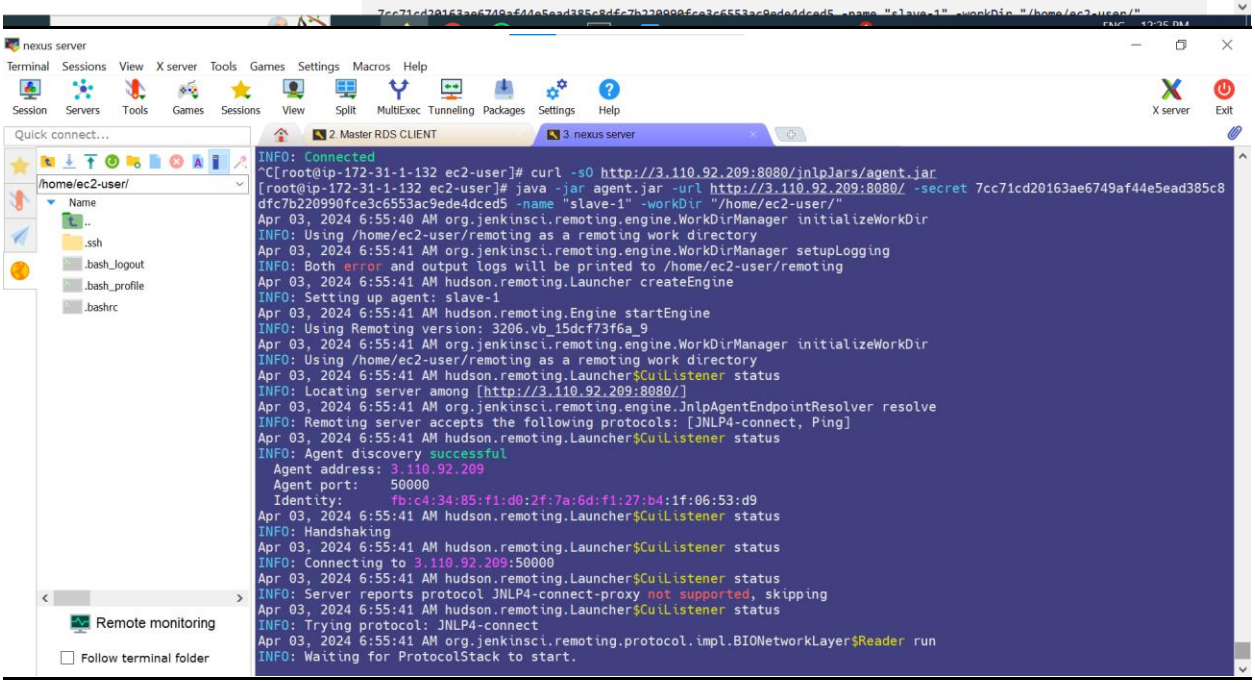

3.110.92.209:8080/manage/pluginManager/installed
Dashboard > Manage Jenkins > Plugins
Plugins
MAVEN INTE
Updates
Available plugins
Installed plugins
Advanced settings
Download progress
Name
Enabled
Maven Integration plugin 3.23
This plugin provides a deep integration between Jenkins and Maven. It adds support for automatic triggers between projects depending on SNAPSHOTs as well as the automated configuration of various Jenkins publishers such as Junit.
Report an issue with this plugin
Pipeline Maven Integration Plugin 1396.veb_f07b_2fc1d8
This plugin provides integration with Pipeline, configures maven environment to use within a pipeline job by calling sh mvn or bat mvn. The selected maven installation will be configured and prepended to the path.
Report an issue with this plugin
REST API
Jenkins 2.440.2
https://www.jenkins.io/participate/report-issue/redirect/#16038

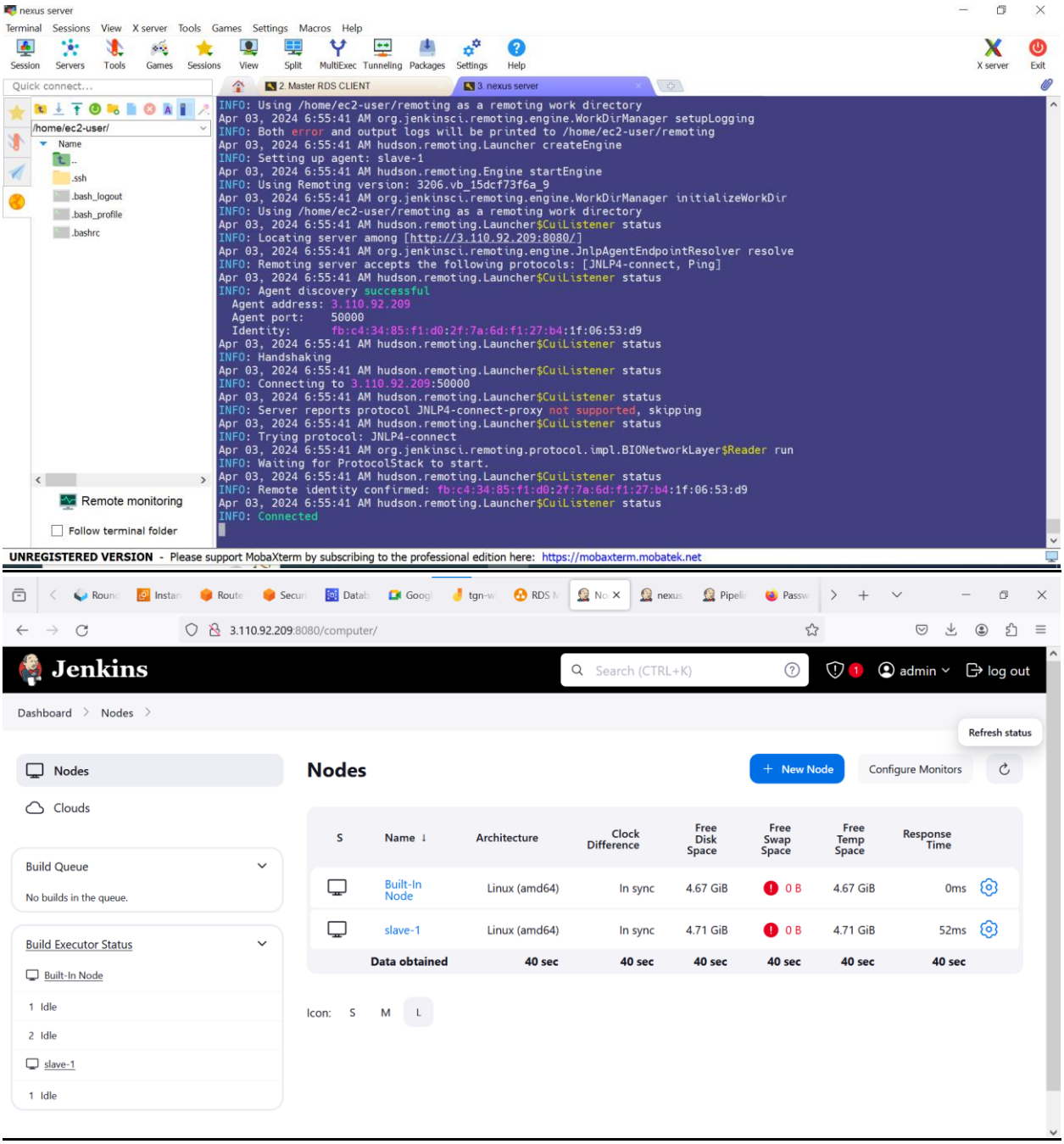

3.110.92.209:8080/manage/configureTools/
Dashboard > Manage Jenkins > Tools
Maven installations
Edited
Add Maven
Maven
Name
maven
Install automatically
Install from Apache
Version
3.9.6
Save
Apply


3.110.92.209:8080/manage/computer/
Jenkins
Search (CTRL+K)
admin
log out
Dashboard > Manage Jenkins > Nodes
Nodes
Clouds
Build Queue
No builds in the queue.
Build Executor Status
Built-In Node
1 Idle
2 Idle
slave-1
1 Idle
Nodes
New Node
Configure Monitors
S
Name
Architecture
Clock Difference
Free Disk Space
Free Swap Space
Free Temp Space
Response Time
Built-In Node
Linux (amd64)
In sync
4.67 GiB
0 B
4.67 GiB
0ms
slave-1
Linux (amd64)
In sync
4.71 GiB
0 B
4.71 GiB
42ms
Data obtained
21 min
Icon: S M L


3.110.92.209:8080/computer/slave-1/configure
Jenkins
Search (CTRL+K)
admin
log out
Dashboard > Nodes > slave-1 > Configure
Status
Delete Agent
Configure
Build History
Load Statistics
Script Console
Log
System Information
Disconnect
Name
slave-1
Description
Plain text Preview
Number of executors
1
3.110.92.209:8080/computer/slave-1/configure
Dashboard > Nodes > slave-1 > Configure
Build Executor Status
1 Idle
Remote root directory
/home/ec2-user/
Labels
slave-1
Usage
Only build jobs with label expressions matching this node
Launch method
Launch agent by connecting it to the controller
Availability
Keep this agent online as much as possible


3.110.92.209:8080/computer/slave-1/
Jenkins
Search (CTRL+K)
admin
log out
Dashboard > Nodes > slave-1
Status
Delete Agent
Configure
Build History
Load Statistics
Log
Build Executor Status
Agent slave-1
Mark this node temporarily offline
Add description
Connection was broken
Run from agent command line: (Unix)
curl -sO http://3.110.92.209:8080/jnlpJars/agent.jar
java -jar agent.jar -url http://3.110.92.209:8080/ -secret
7cc71cd20163ae6749af44e5ead385c8dfc7b220990fce3c6553ac9ede4dced5 -name "slave-1" -workDir "/home/ec2-user/"
Run from agent command line: (Windows)
curl.exe -sO http://3.110.92.209:8080/jnlpJars/agent.jar
java -jar agent.jar -url http://3.110.92.209:8080/ -secret


nexus server
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
2. Master RDS CLIENT
3. nexus server
/home/ec2-user/
Name
.ssh
.bash_logout
.bash_profile
.bashrc
Remote monitoring
Follow terminal folder
INFO: Connected
^C[root@ip-172-31-1-132 ec2-user]# curl -sO http://3.110.92.209:8080/jnlpJars/agent.jar
[root@ip-172-31-1-132 ec2-user]# java -jar agent.jar -url http://3.110.92.209:8080/ -secret 7cc71cd20163ae6749af44e5ead385c8
dfc7b220990fce3c6553ac9ede4dced5 -name "slave-1" -workDir "/home/ec2-user/"
Apr 03, 2024 6:55:40 AM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using /home/ec2-user/remoting as a remoting work directory
Apr 03, 2024 6:55:41 AM org.jenkinsci.remoting.engine.WorkDirManager setupLogging
INFO: Both error and output logs will be printed to /home/ec2-user/remoting
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher createEngine
INFO: Setting up agent: slave-1
Apr 03, 2024 6:55:41 AM hudson.remoting.Engine startEngine
INFO: Using Remoting version: 3206.vb_15dcf73f6a_9
Apr 03, 2024 6:55:41 AM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using /home/ec2-user/remoting as a remoting work directory
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Locating server among [http://3.110.92.209:8080/]
Apr 03, 2024 6:55:41 AM org.jenkinsci.remoting.engine.JnlpAgentEndpointResolver resolve
INFO: Remoting server accepts the following protocols: [JNLP4-connect, Ping]
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Agent discovery successful
Agent address: 3.110.92.209
Agent port: 50000
Identity: fb:c4:34:85:f1:d0:2f:7a:6d:f1:27:b4:1f:06:53:d9
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Handshaking
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Connecting to 3.110.92.209:50000
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Server reports protocol JNLP4-connect-proxy not supported, skipping
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Trying protocol: JNLP4-connect
Apr 03, 2024 6:55:41 AM org.jenkinsci.remoting.protocol.impl.BIONetworkLayer$Reader run
INFO: Waiting for ProtocolStack to start.


nexus server
Terminal Sessions View X server Tools Games Settings Macros Help
2. Master RDS CLIENT
3. nexus server
/home/ec2-user/
Name
.ssh
.bash_logout
.bash_profile
.bashrc
Remote monitoring
Follow terminal folder
INFO: Using /home/ec2-user/remoting as a remoting work directory
Apr 03, 2024 6:55:41 AM org.jenkinsci.remoting.engine.WorkDirManager setupLogging
INFO: Both error and output logs will be printed to /home/ec2-user/remoting
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher createEngine
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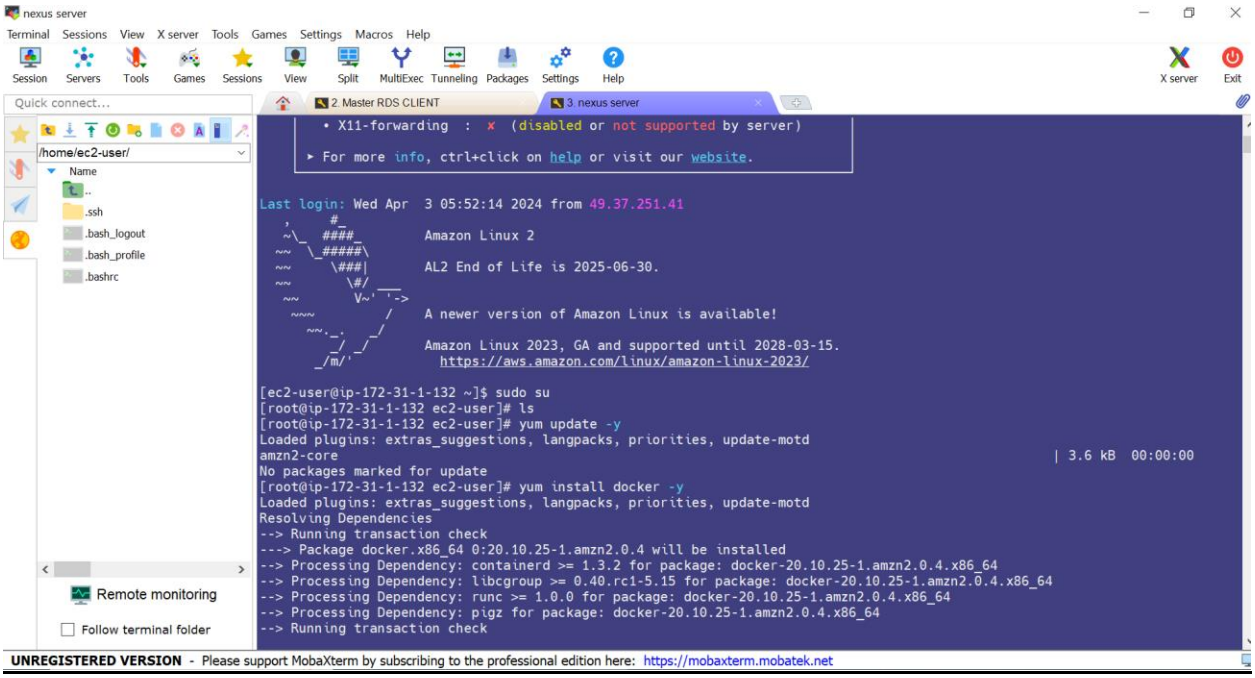
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Agent discovery successful
Agent address: 3.110.92.209
Agent port: 50000
Identity: fb:c4:34:85:f1:d0:2f:7a:6d:f1:27:b4:1f:06:53:d9
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Handshaking
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Connecting to 3.110.92.209:50000
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Server reports protocol JNLP4-connect-proxy not supported, skipping
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Trying protocol: JNLP4-connect
Apr 03, 2024 6:55:41 AM org.jenkinsci.remoting.protocol.impl.BIONetworkLayer$Reader run
INFO: Waiting for ProtocolStack to start.
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Remote identity confirmed: fb:c4:34:85:f1:d0:2f:7a:6d:f1:27:b4:1f:06:53:d9
Apr 03, 2024 6:55:41 AM hudson.remoting.Launcher$CuiListener status
INFO: Connected
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
3.110.92.209:8080/computer/
Jenkins
Search (CTRL+K)
admin
log out
Dashboard > Nodes >
Refresh status
Nodes
Clouds
Build Queue
No builds in the queue.
Build Executor Status
Built-In Node
1 Idle
2 Idle
slave-1
1 Idle
Nodes
New Node
Configure Monitors
S
Name
Architecture
Clock Difference
Free Disk Space
Free Swap Space
Free Temp Space
Response Time
Built-In Node
Linux (amd64)
In sync
4.67 GiB
0 B
4.67 GiB
0ms
slave-1
Linux (amd64)
In sync
4.71 GiB
0 B
4.71 GiB
52ms
Data obtained
40 sec
Icon: S M L


nexus server
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help X server Exit
Quick connect...
2 Master RDS CLIENT
3 nexus server
/home/ec2-user/
Name
.ssh
.bash_logout
.bash_profile
.bashrc
Remote monitoring
Follow terminal folder
• X11-forwarding : x (disabled or not supported by server)
► For more info, ctrl+click on help or visit our website.
Last login: Wed Apr 3 05:52:14 2024 from 49.37.251.41
Amazon Linux 2
AL2 End of Life is 2025-06-30.
A newer version of Amazon Linux is available!
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-172-31-1-132 ~]$ sudo su
[root@ip-172-31-1-132 ec2-user]# ls
[root@ip-172-31-1-132 ec2-user]# yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.6 kB 00:00:00
No packages marked for update
[root@ip-172-31-1-132 ec2-user]# yum install docker -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
---> Package docker.x86_64 0:20.10.25-1.amzn2.0.4 will be installed
--> Processing Dependency: containerd >= 1.3.2 for package: docker-20.10.25-1.amzn2.0.4.x86_64
--> Processing Dependency: libcgroup >= 0.40.rc1-5.15 for package: docker-20.10.25-1.amzn2.0.4.x86_64
--> Processing Dependency: runc >= 1.0.0 for package: docker-20.10.25-1.amzn2.0.4.x86_64
--> Processing Dependency: pigz for package: docker-20.10.25-1.amzn2.0.4.x86_64
--> Running transaction check
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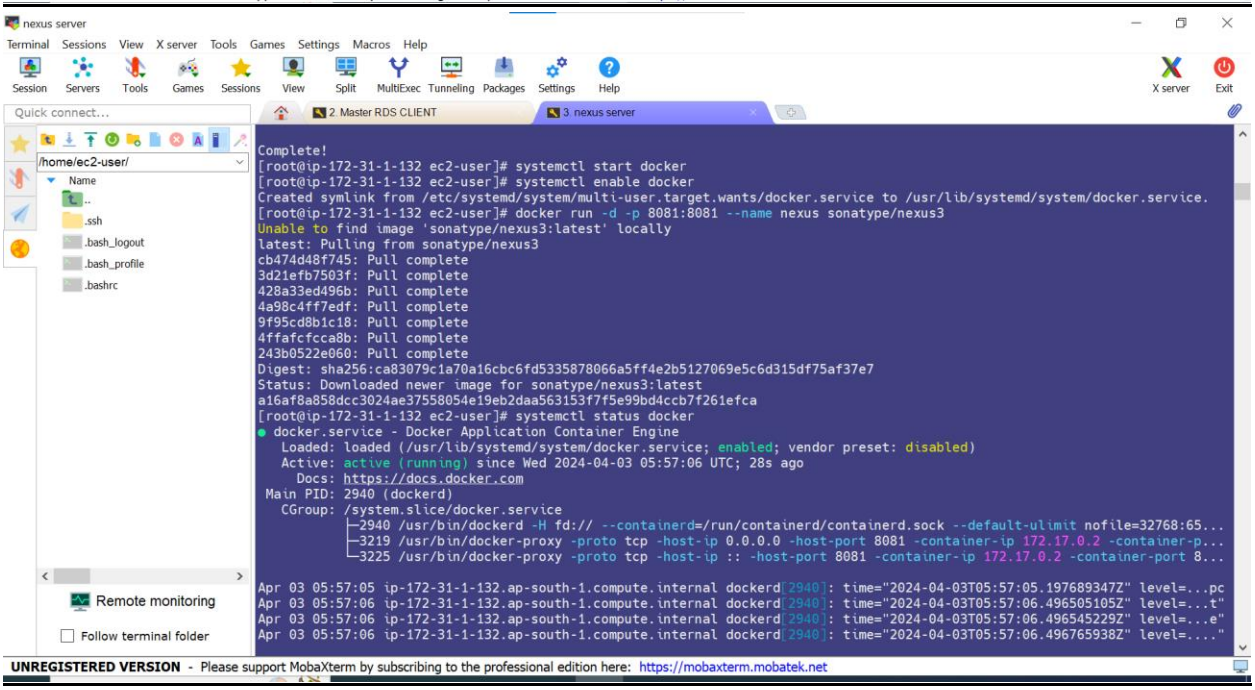
nexus server
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help X server Exit
Quick connect...
2 Master RDS CLIENT
3 nexus server
/home/ec2-user/
Name
.ssh
.bash_logout
.bash_profile
.bashrc
Remote monitoring
Follow terminal folder
Complete!
[root@ip-172-31-1-132 ec2-user]# systemctl start docker
[root@ip-172-31-1-132 ec2-user]# systemctl enable docker
Created symlink from /etc/systemd/system/multi-user.target.wants/docker.service to /usr/lib/systemd/system/docker.service.
[root@ip-172-31-1-132 ec2-user]# docker run -d -p 8081:8081 --name nexus sonatype/nexus3
Unable to find image 'sonatype/nexus3:latest' locally
latest: Pulling from sonatype/nexus3
cb474d48f745: Pull complete
3d21efb7503f: Pull complete
428a33ed496b: Pull complete
4a98c4ff7edf: Pull complete
9f95cd8b1c18: Pull complete
4ffafcfcca8b: Pull complete
243b0522e060: Pull complete
Digest: sha256:ca83079c1a70a16cbc6fd5335878066a5ff4e2b5127069e5c6d315df75af37e7
Status: Downloaded newer image for sonatype/nexus3:latest
a16af8a858dcc3024ae37558054e19eb2daa563153f7f5e99bd4ccb7f261efca
[root@ip-172-31-1-132 ec2-user]# systemctl status docker
● docker.service - Docker Application Container Engine
Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; vendor preset: disabled)
Active: active (running) since Wed 2024-04-03 05:57:06 UTC; 28s ago
Docs: https://docs.docker.com
Main PID: 2940 (dockerd)
CGroup: /system.slice/docker.service
├─2940 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock --default-ulimit nofile=32768:65...
├─3219 /usr/bin/docker-proxy -proto tcp -host-ip 0.0.0.0 -host-port 8081 -container-ip 172.17.0.2 -container-p...
└─3225 /usr/bin/docker-proxy -proto tcp -host-ip :: -host-port 8081 -container-ip 172.17.0.2 -container-port 8...
Apr 03 05:57:05 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:05.197689347Z" level=...pc
Apr 03 05:57:06 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:06.496505105Z" level=...t"
Apr 03 05:57:06 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:06.496545229Z" level=...e"
Apr 03 05:57:06 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:06.496765938Z" level=...."
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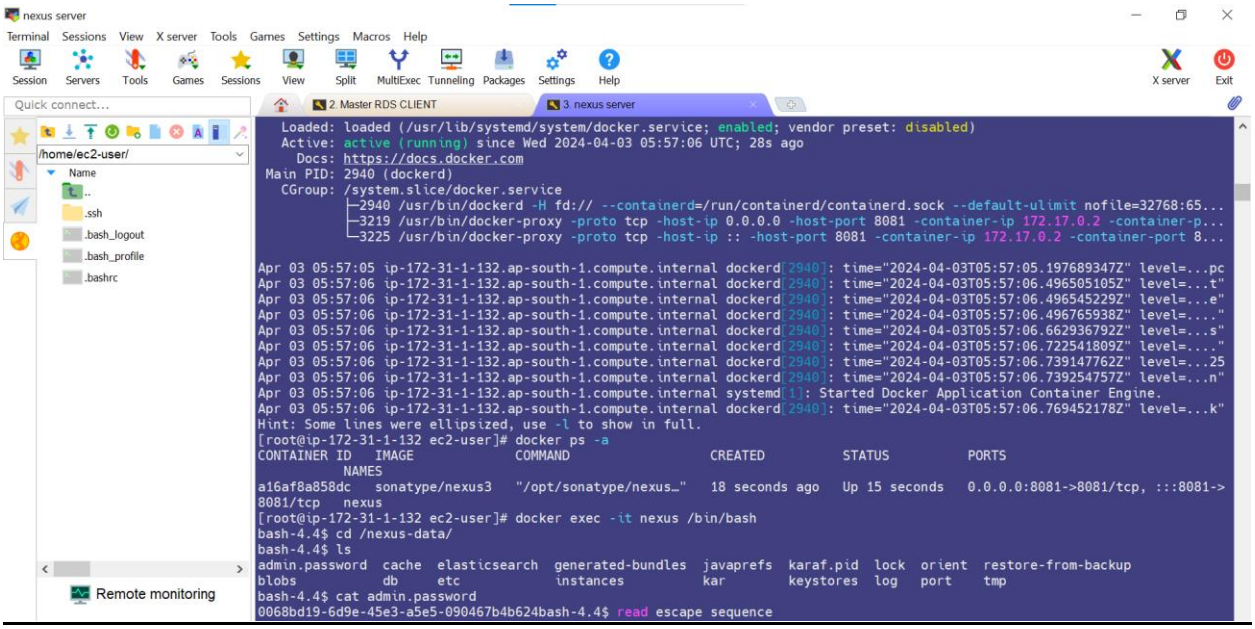
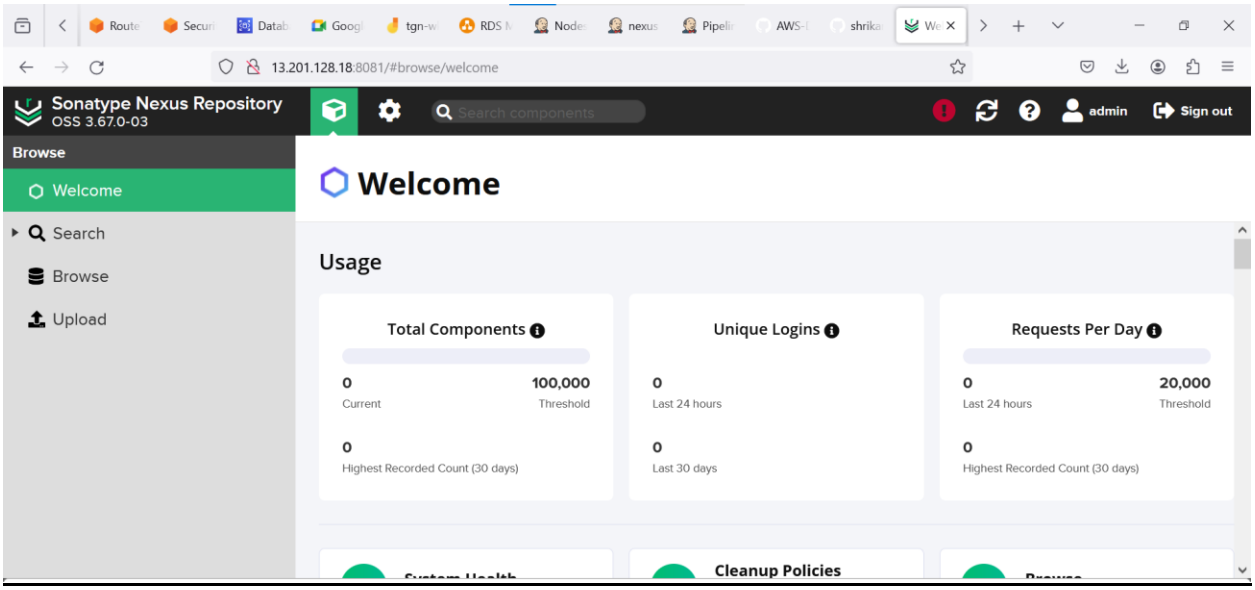
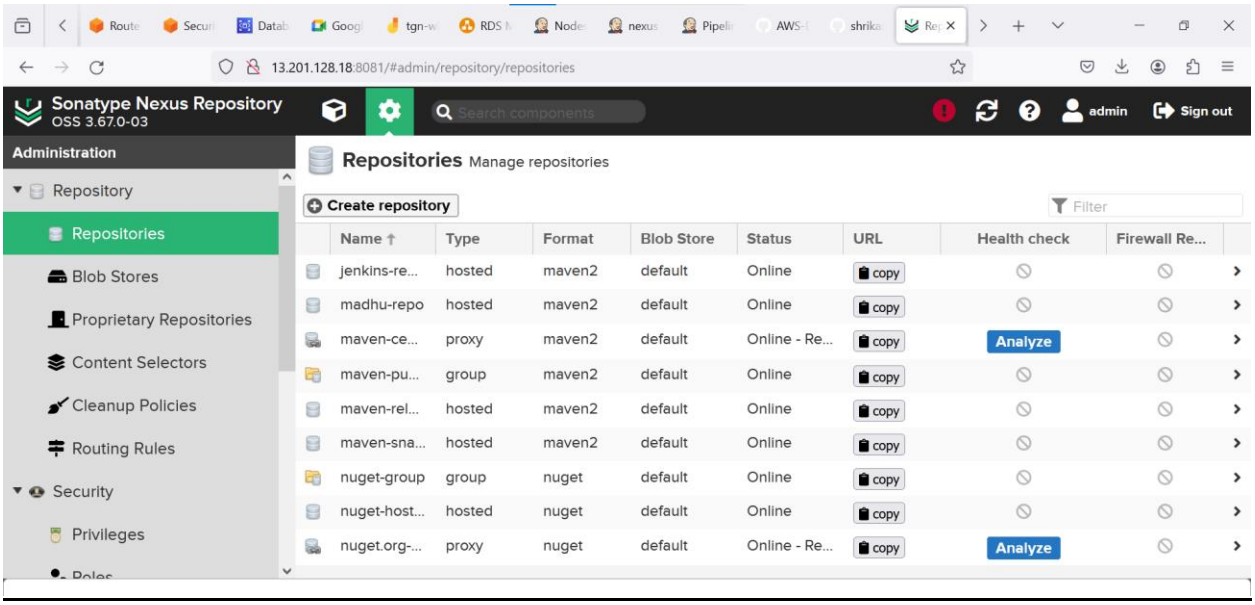
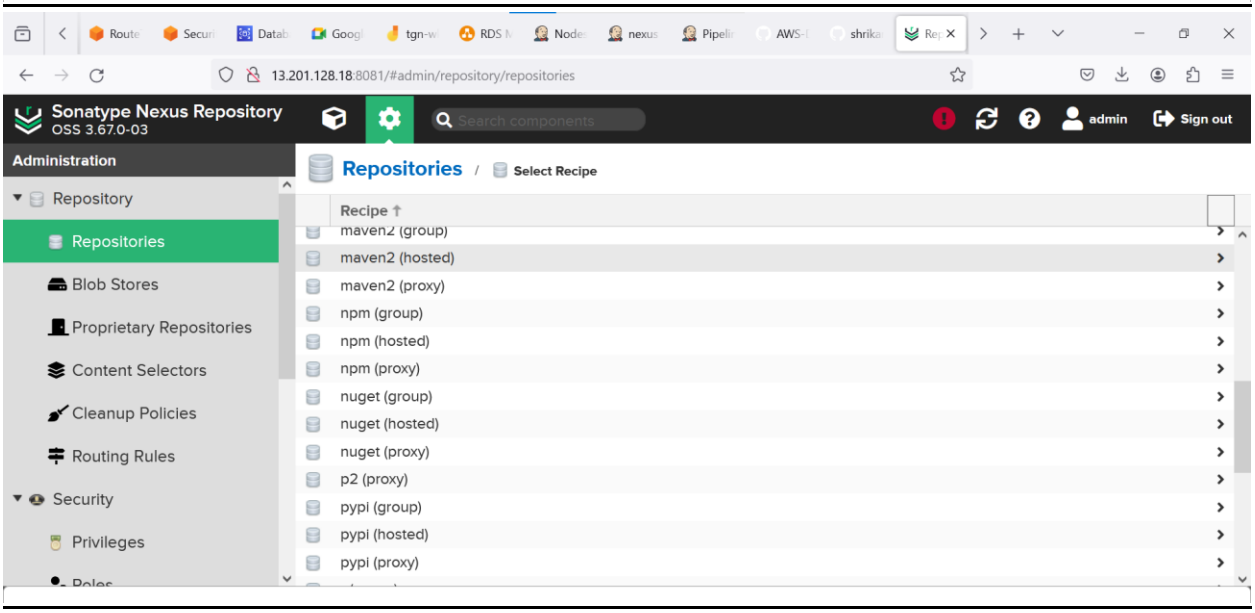
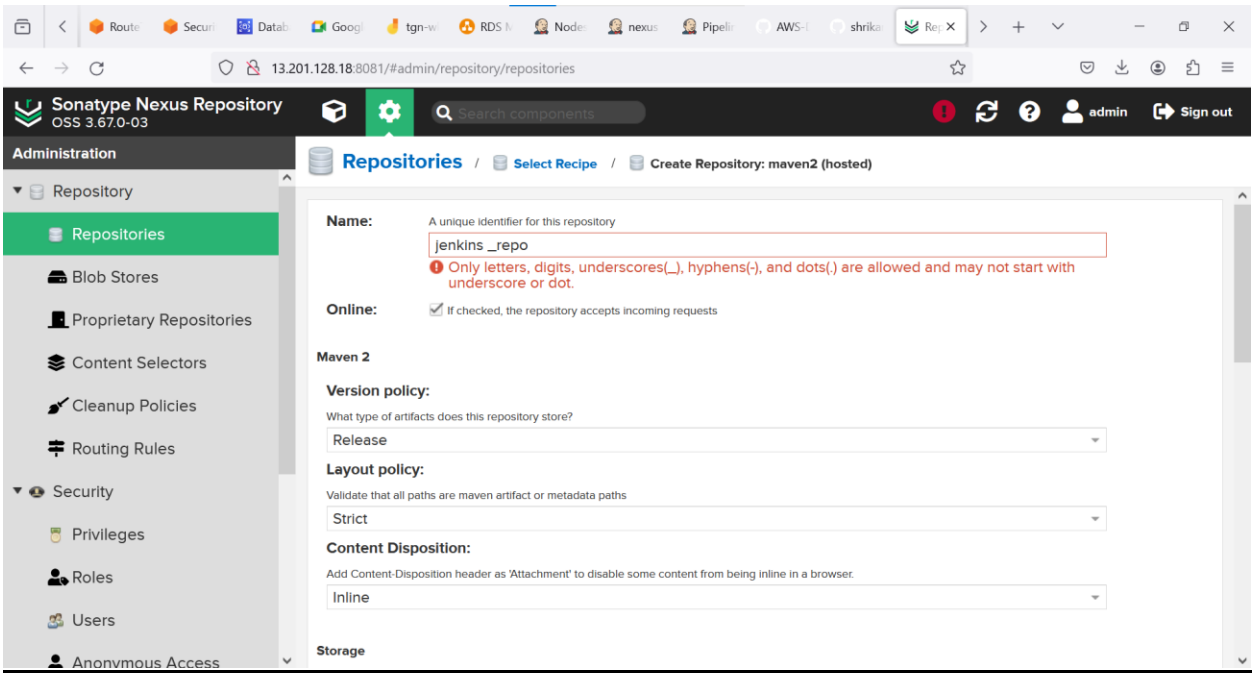
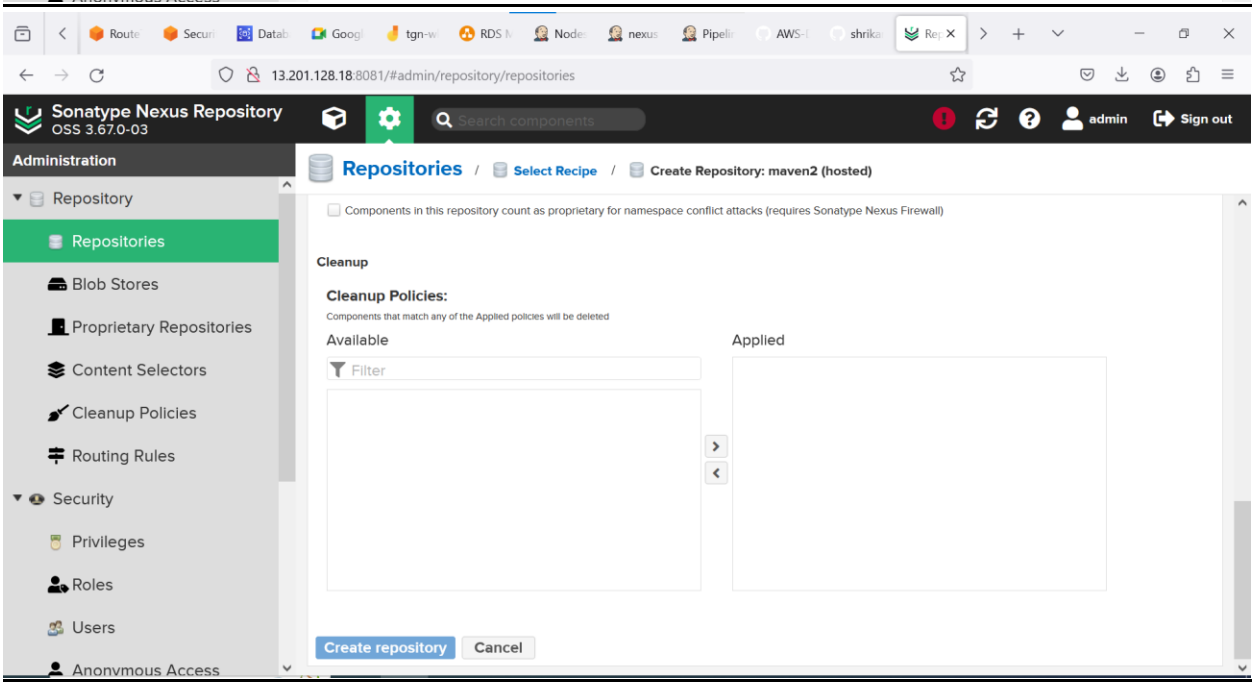

nexus server
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
2. Master RDS CLIENT
3. nexus server
/home/ec2-user/
Name
.ssh
.bash_logout
.bash_profile
.bashrc
Remote monitoring
Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; vendor preset: disabled)
Active: active (running) since Wed 2024-04-03 05:57:06 UTC; 28s ago
Docs: https://docs.docker.com
Main PID: 2940 (dockerd)
CGroup: /system.slice/docker.service
├─2940 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock --default-ulimit nofile=32768:65...
├─3219 /usr/bin/docker-proxy -proto tcp -host-ip 0.0.0.0 -host-port 8081 -container-ip 172.17.0.2 -container-p...
└─3225 /usr/bin/docker-proxy -proto tcp -host-ip :: -host-port 8081 -container-ip 172.17.0.2 -container-port 8...
Apr 03 05:57:05 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:05.197689347Z" level=...pc
Apr 03 05:57:06 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:06.496505105Z" level=...t"
Apr 03 05:57:06 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:06.496545229Z" level=...e"
Apr 03 05:57:06 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:06.496765938Z" level=...."
Apr 03 05:57:06 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:06.662936792Z" level=...s"
Apr 03 05:57:06 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:06.722541809Z" level=...."
Apr 03 05:57:06 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:06.739147762Z" level=...25
Apr 03 05:57:06 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:06.739254757Z" level=...n"
Apr 03 05:57:06 ip-172-31-1-132.ap-south-1.compute.internal systemd[1]: Started Docker Application Container Engine.
Apr 03 05:57:06 ip-172-31-1-132.ap-south-1.compute.internal dockerd[2940]: time="2024-04-03T05:57:06.769452178Z" level=...k"
Hint: Some lines were ellipsized, use -l to show in full.
[root@ip-172-31-1-132 ec2-user]# docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
NAMES
a16af8a858dc sonatype/nexus3 "/opt/sonatype/nexus…" 18 seconds ago Up 15 seconds 0.0.0.0:8081->8081/tcp, :::8081->
8081/tcp nexus
[root@ip-172-31-1-132 ec2-user]# docker exec -it nexus /bin/bash
bash-4.4$ cd /nexus-data/
bash-4.4$ ls
admin.password cache elasticsearch generated-bundles javaprefs karaf.pid lock orient restore-from-backup
blobs db etc instances kar keystores log port tmp
bash-4.4$ cat admin.password
0068bd19-6d9e-45e3-a5e5-090467b4b624bash-4.4$ read escape sequence

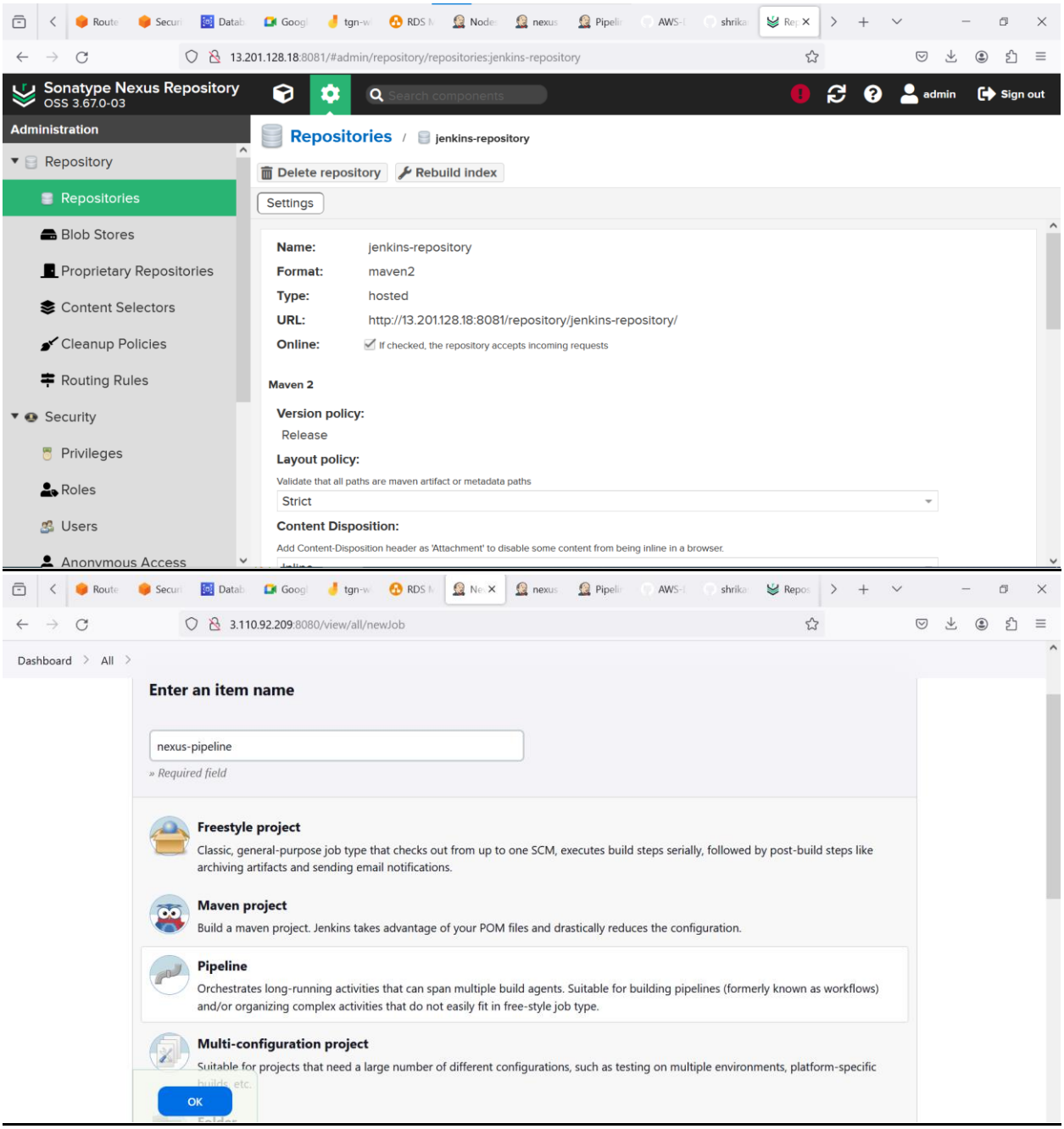

13.201.128.18:8081/#browse/welcome
Sonatype Nexus Repository
OSS 3.67.0-03
Search components
admin
Sign out
Browse
Welcome
Search
Browse
Upload
Welcome
Usage
Total Components
0
Current
100,000
Threshold
0
Highest Recorded Count (30 days)
Unique Logins
0
Last 24 hours
0
Last 30 days
Requests Per Day
0
Last 24 hours
20,000
Threshold
0
Highest Recorded Count (30 days)
Cleanup Policies

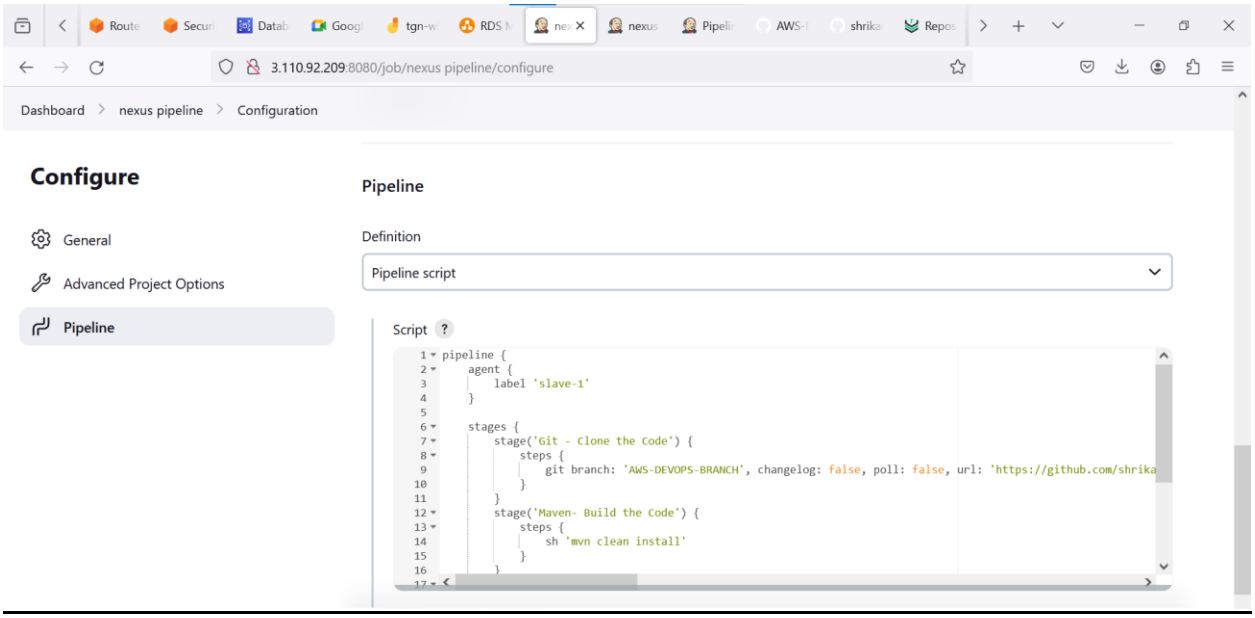

13.201.128.18:8081/#admin/repository/repositories
Sonatype Nexus Repository
OSS 3.67.0-03
admin
Sign out
Administration
Repository
Repositories
Blob Stores
Proprietary Repositories
Content Selectors
Cleanup Policies
Routing Rules
Security
Privileges
Repositories Manage repositories
Create repository
Filter
Name
Type
Format
Blob Store
Status
URL
Health check
Firewall Re...
jenkins-re... hosted maven2 default Online copy
madhu-repo hosted maven2 default Online copy
maven-ce... proxy maven2 default Online - Re... copy Analyze
maven-pu... group maven2 default Online copy
maven-rel... hosted maven2 default Online copy
maven-sna... hosted maven2 default Online copy
nuget-group group nuget default Online copy
nuget-host... hosted nuget default Online copy
nuget.org-... proxy nuget default Online - Re... copy Analyze

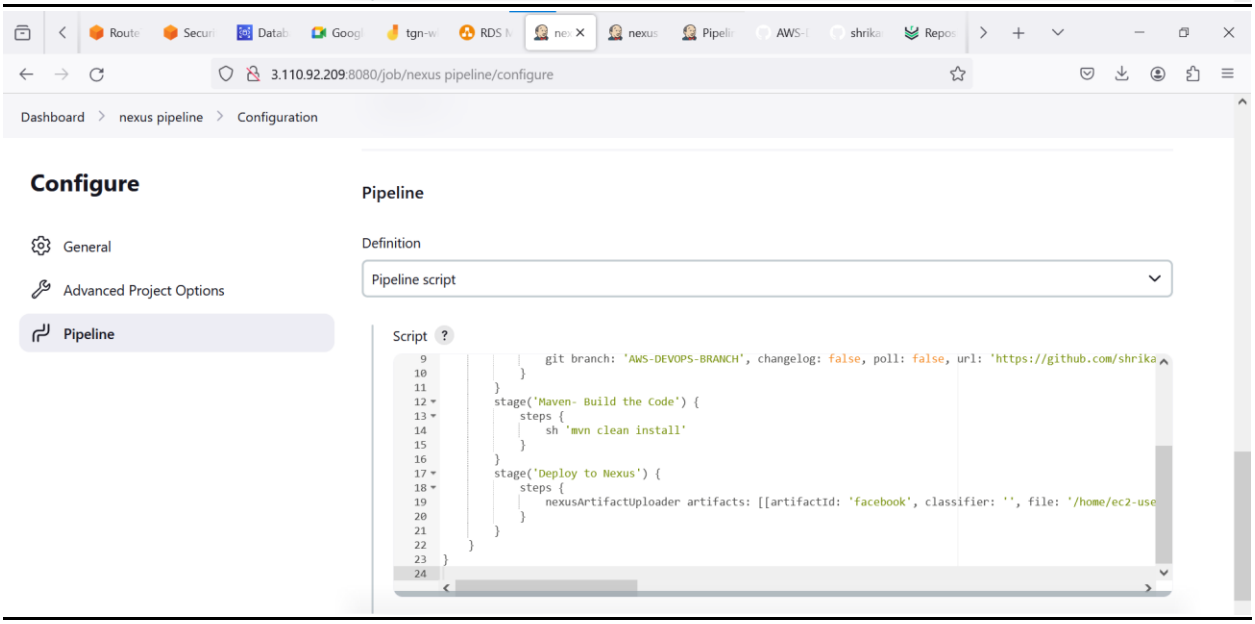

13.201.128.18:8081/#admin/repository/repositories
Sonatype Nexus Repository
OSS 3.67.0-03
admin
Sign out
Administration
Repository
Repositories
Blob Stores
Proprietary Repositories
Content Selectors
Cleanup Policies
Routing Rules
Security
Privileges
Repositories / Select Recipe
Recipe
maven2 (group)
maven2 (hosted)
maven2 (proxy)
npm (group)
npm (hosted)
npm (proxy)
nuget (group)
nuget (hosted)
nuget (proxy)
p2 (proxy)
pypi (group)
pypi (hosted)
pypi (proxy)

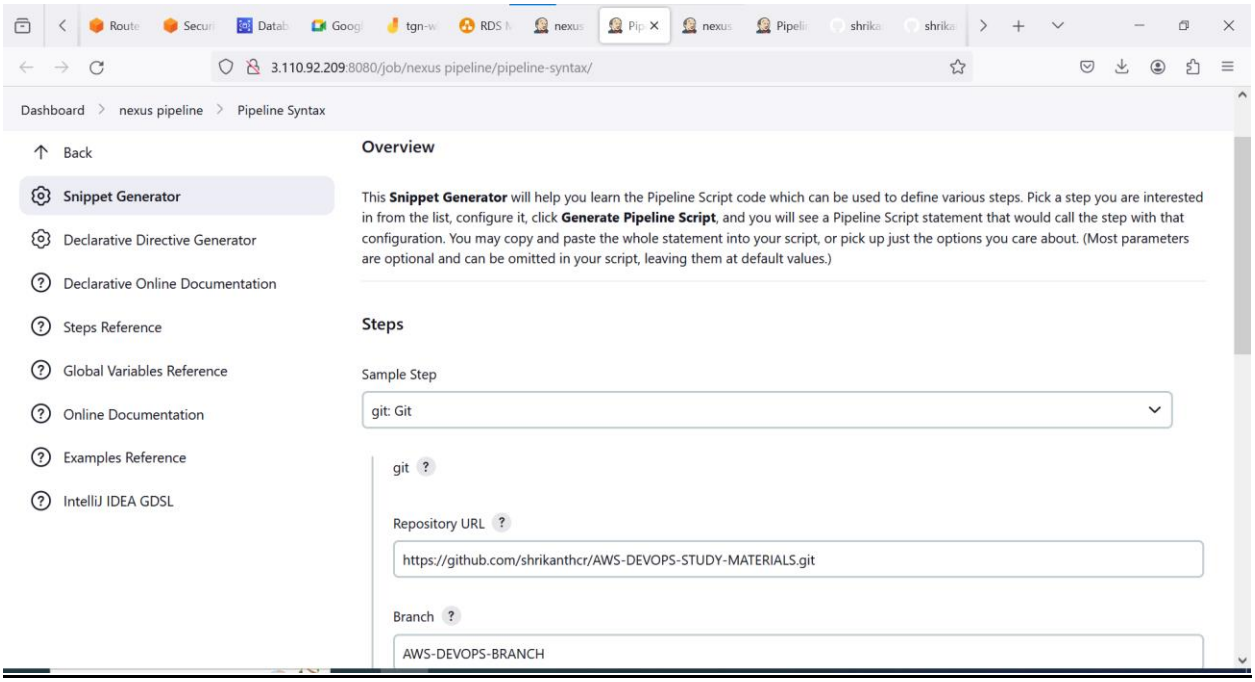

13.201.128.18:8081/#admin/repository/repositories
Sonatype Nexus Repository
OSS 3.67.0-03
Search components
admin
Sign out
Administration
Repository
Repositories
Blob Stores
Proprietary Repositories
Content Selectors
Cleanup Policies
Routing Rules
Security
Privileges
Roles
Users
Anonymous Access
Repositories / Select Recipe / Create Repository: maven2 (hosted)
Name:
A unique identifier for this repository
jenkins _repo
Only letters, digits, underscores(_), hyphens(-), and dots(.) are allowed and may not start with underscore or dot.
Online:
If checked, the repository accepts incoming requests
Maven 2
Version policy:
What type of artifacts does this repository store?
Release
Layout policy:
Validate that all paths are maven artifact or metadata paths
Strict
Content Disposition:
Add Content-Disposition header as 'Attachment' to disable some content from being inline in a browser.
Inline
Storage

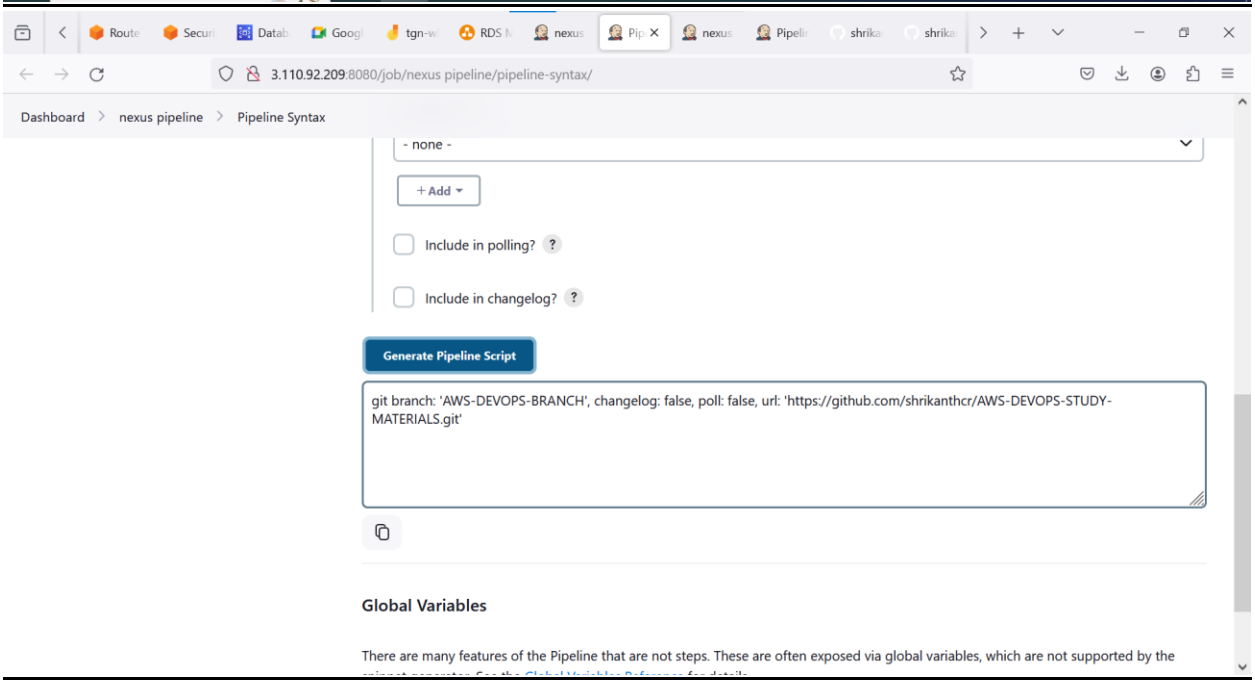

13.201.128.18:8081/#admin/repository/repositories
Sonatype Nexus Repository
OSS 3.67.0-03
Search components
admin
Sign out
Administration
Repository
Repositories
Blob Stores
Proprietary Repositories
Content Selectors
Cleanup Policies
Routing Rules
Security
Privileges
Roles
Users
Anonymous Access
Repositories / Select Recipe / Create Repository: maven2 (hosted)
Components in this repository count as proprietary for namespace conflict attacks (requires Sonatype Nexus Firewall)
Cleanup
Cleanup Policies:
Components that match any of the Applied policies will be deleted
Available
Filter
Applied
Create repository
Cancel

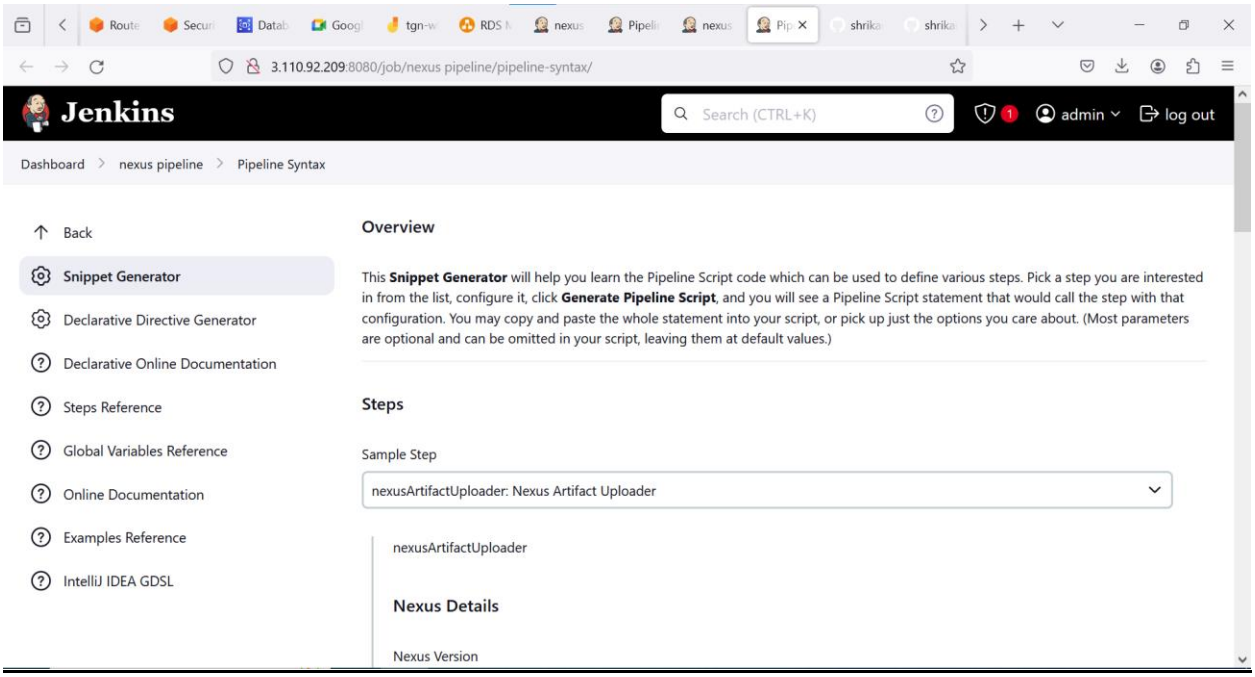

13.201.128.18:8081/#admin/repository/repositories:jenkins-repository
Sonatype Nexus Repository
OSS 3.67.0-03
admin
Sign out
Administration
Repository
Repositories
Blob Stores
Proprietary Repositories
Content Selectors
Cleanup Policies
Routing Rules
Security
Privileges
Roles
Users
Anonymous Access
Repositories / jenkins-repository
Delete repository
Rebuild index
Settings
Name: jenkins-repository
Format: maven2
Type: hosted
URL: http://13.201.128.18:8081/repository/jenkins-repository/
Online: If checked, the repository accepts incoming requests
Maven 2
Version policy:
Release
Layout policy:
Validate that all paths are maven artifact or metadata paths
Strict
Content Disposition:
Add Content-Disposition header as 'Attachment' to disable some content from being inline in a browser.
3.110.92.209:8080/view/all/newJob
Dashboard
All
Enter an item name
nexus-pipeline
» Required field
Freestyle project
Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.
Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.
Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific
OK

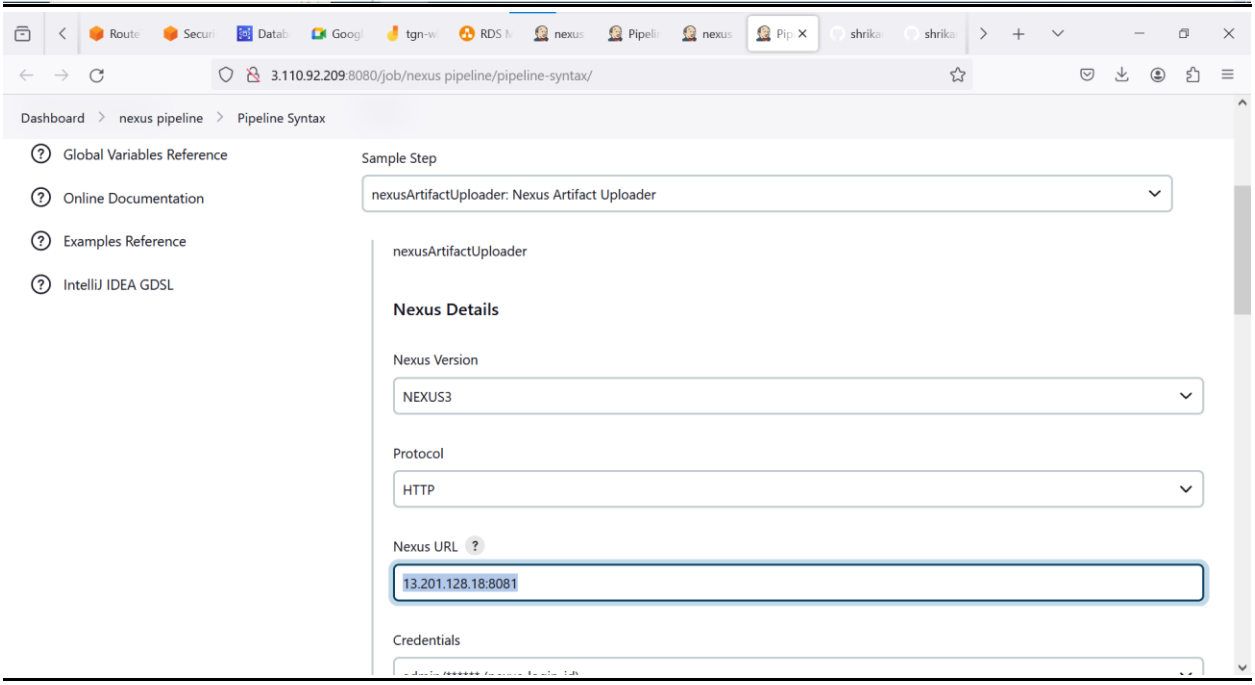

3.110.92.209:8080/job/nexus pipeline/configure
Dashboard
nexus pipeline
Configuration
Configure
General
Advanced Project Options
Pipeline
Pipeline
Definition
Pipeline script
Script
pipeline {
agent {
label 'slave-1'
}
stages {
stage('Git - Clone the Code') {
steps {
git branch: 'AWS-DEVOPS-BRANCH', changelog: false, poll: false, url: 'https://github.com/shrika
}
}
stage('Maven- Build the Code') {
steps {
sh 'mvn clean install'
}
}

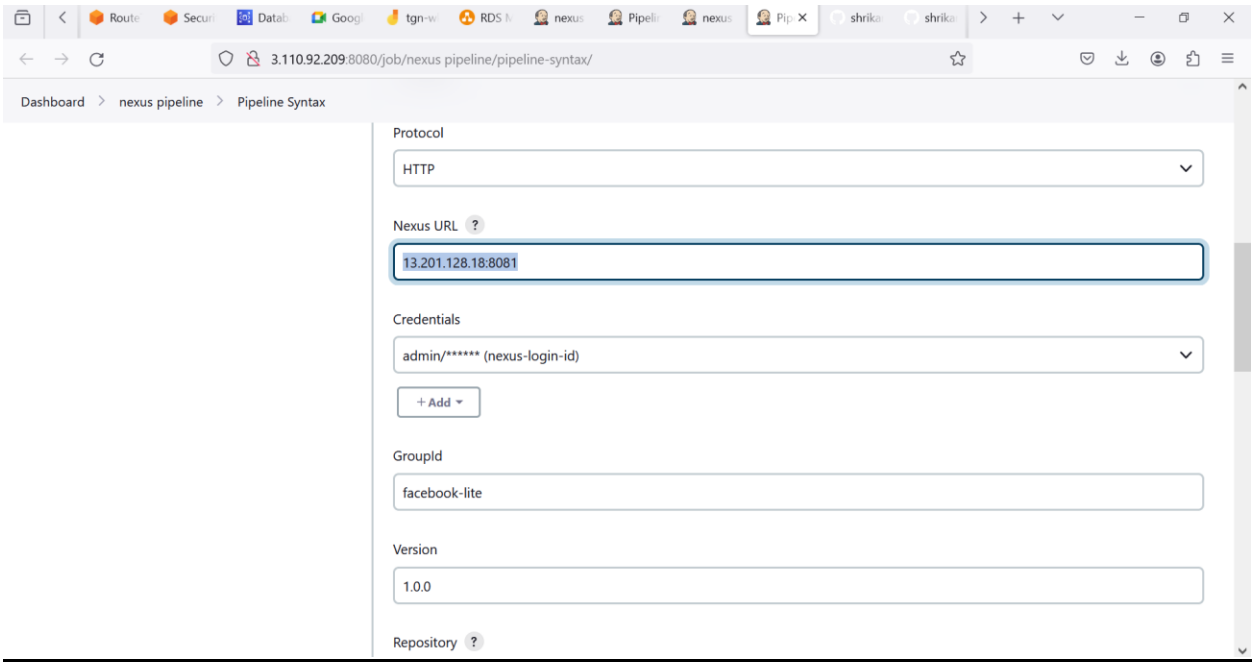

3.110.92.209:8080/job/nexus pipeline/configure
Dashboard
nexus pipeline
Configuration
Configure
General
Advanced Project Options
Pipeline
Pipeline
Definition
Pipeline script
Script
git branch: 'AWS-DEVOPS-BRANCH', changelog: false, poll: false, url: 'https://github.com/shrika
}
}
stage('Maven- Build the Code') {
steps {
sh 'mvn clean install'
}
}
stage('Deploy to Nexus') {
steps {
nexusArtifactUploader artifacts: [[artifactId: 'facebook', classifier: '', file: '/home/ec2-use
}
}
}
}

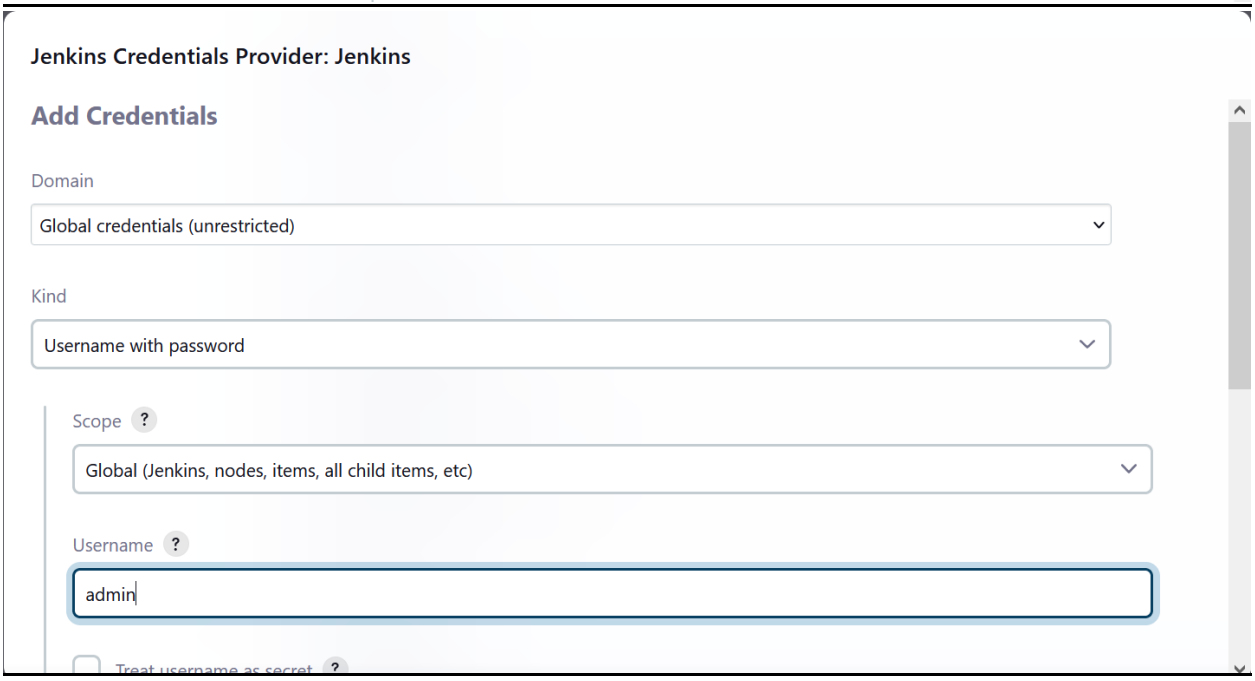

3.110.92.209:8080/job/nexus pipeline/pipeline-syntax/
Dashboard > nexus pipeline > Pipeline Syntax
Back
Snippet Generator
Declarative Directive Generator
Declarative Online Documentation
Steps Reference
Global Variables Reference
Online Documentation
Examples Reference
IntelliJ IDEA GDSL
Overview
This Snippet Generator will help you learn the Pipeline Script code which can be used to define various steps. Pick a step you are interested in from the list, configure it, click Generate Pipeline Script, and you will see a Pipeline Script statement that would call the step with that configuration. You may copy and paste the whole statement into your script, or pick up just the options you care about. (Most parameters are optional and can be omitted in your script, leaving them at default values.)
Steps
Sample Step
git: Git
git
Repository URL
https://github.com/shrikanthcr/AWS-DEVOPS-STUDY-MATERIALS.git
Branch
AWS-DEVOPS-BRANCH


3.110.92.209:8080/job/nexus pipeline/pipeline-syntax/
Dashboard > nexus pipeline > Pipeline Syntax
- none -
+ Add
Include in polling?
Include in changelog?
Generate Pipeline Script
git branch: 'AWS-DEVOPS-BRANCH', changelog: false, poll: false, url: 'https://github.com/shrikanthcr/AWS-DEVOPS-STUDY-MATERIALS.git'
Global Variables
There are many features of the Pipeline that are not steps. These are often exposed via global variables, which are not supported by the

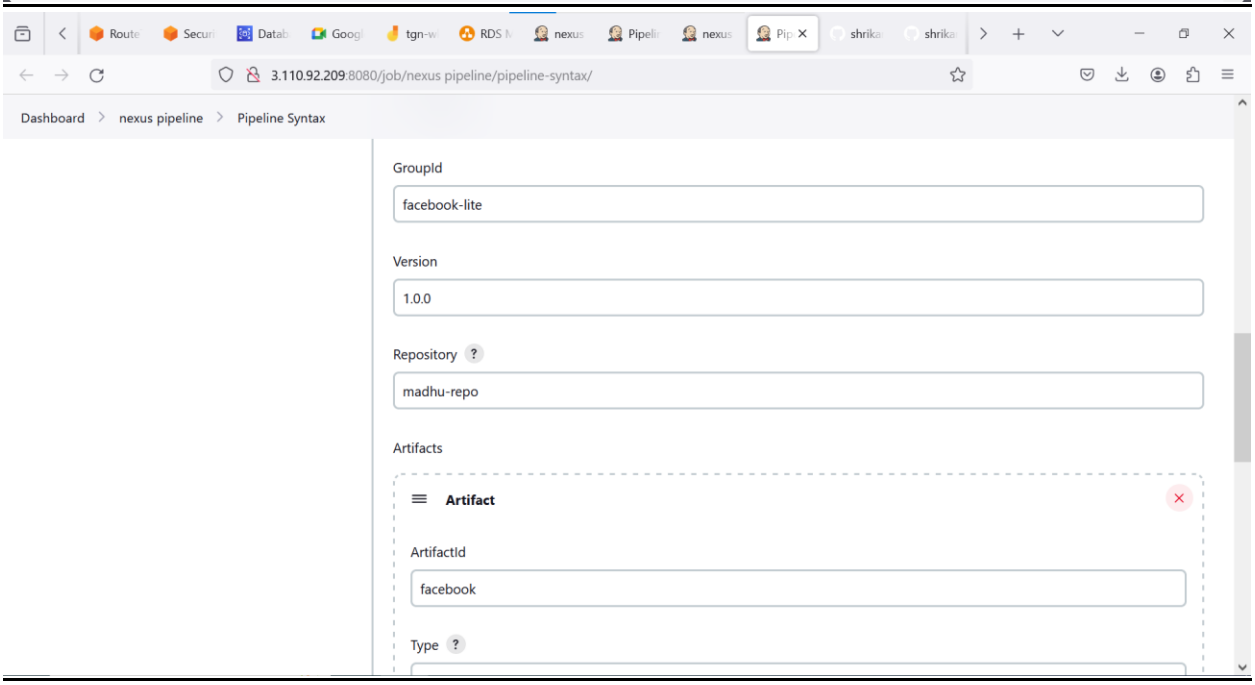

3.110.92.209:8080/job/nexus pipeline/pipeline-syntax/
Jenkins
Search (CTRL+K)
admin
log out
Dashboard > nexus pipeline > Pipeline Syntax
Back
Snippet Generator
Declarative Directive Generator
Declarative Online Documentation
Steps Reference
Global Variables Reference
Online Documentation
Examples Reference
IntelliJ IDEA GDSL
Overview
This Snippet Generator will help you learn the Pipeline Script code which can be used to define various steps. Pick a step you are interested in from the list, configure it, click Generate Pipeline Script, and you will see a Pipeline Script statement that would call the step with that configuration. You may copy and paste the whole statement into your script, or pick up just the options you care about. (Most parameters are optional and can be omitted in your script, leaving them at default values.)
Steps
Sample Step
nexusArtifactUploader: Nexus Artifact Uploader
nexusArtifactUploader
Nexus Details
Nexus Version

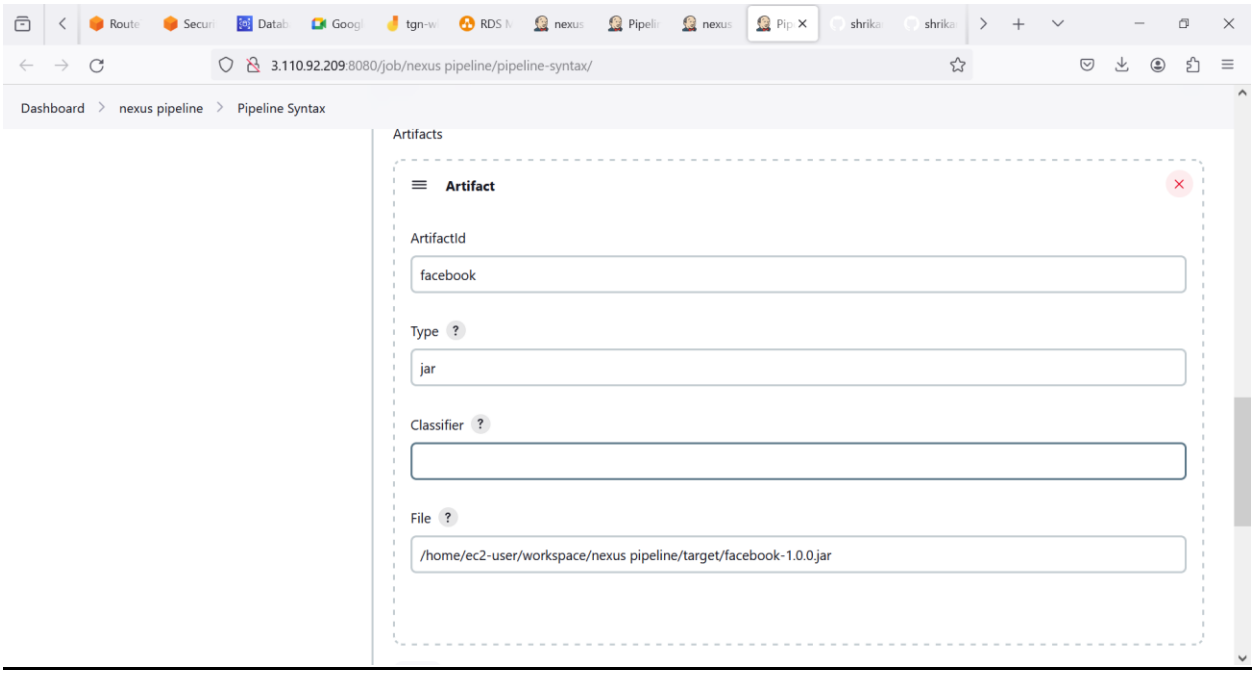

3.110.92.209:8080/job/nexus pipeline/pipeline-syntax/
Dashboard > nexus pipeline > Pipeline Syntax
Global Variables Reference
Online Documentation
Examples Reference
IntelliJ IDEA GDSL
Sample Step
nexusArtifactUploader: Nexus Artifact Uploader
nexusArtifactUploader
Nexus Details
Nexus Version
NEXUS3
Protocol
HTTP
Nexus URL
13.201.128.18:8081
Credentials


3.110.92.209:8080/job/nexus pipeline/pipeline-syntax/
Dashboard
nexus pipeline
Pipeline Syntax
Protocol
HTTP
Nexus URL
13.201.128.18:8081
Credentials
admin/****** (nexus-login-id)
+ Add
GroupId
facebook-lite
Version
1.0.0
Repository

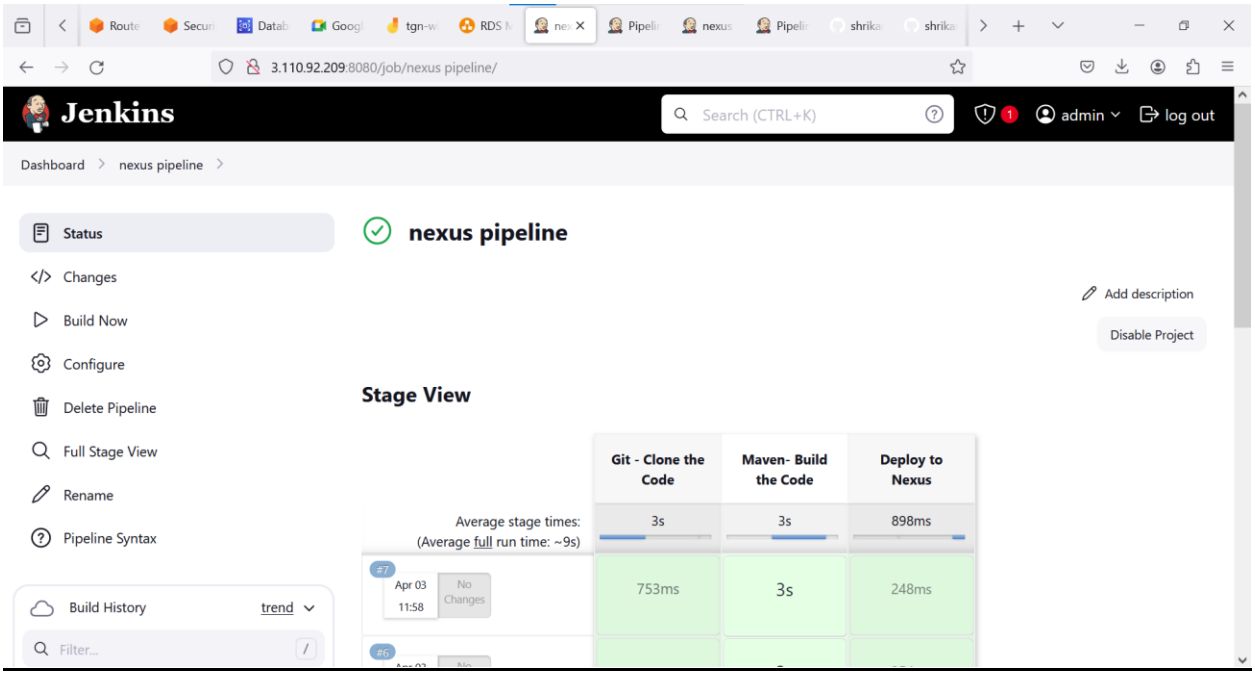

Jenkins Credentials Provider: Jenkins
Add Credentials
Domain
Global credentials (unrestricted)
Kind
Username with password
Scope
Global (Jenkins, nodes, items, all child items, etc)
Username
admin

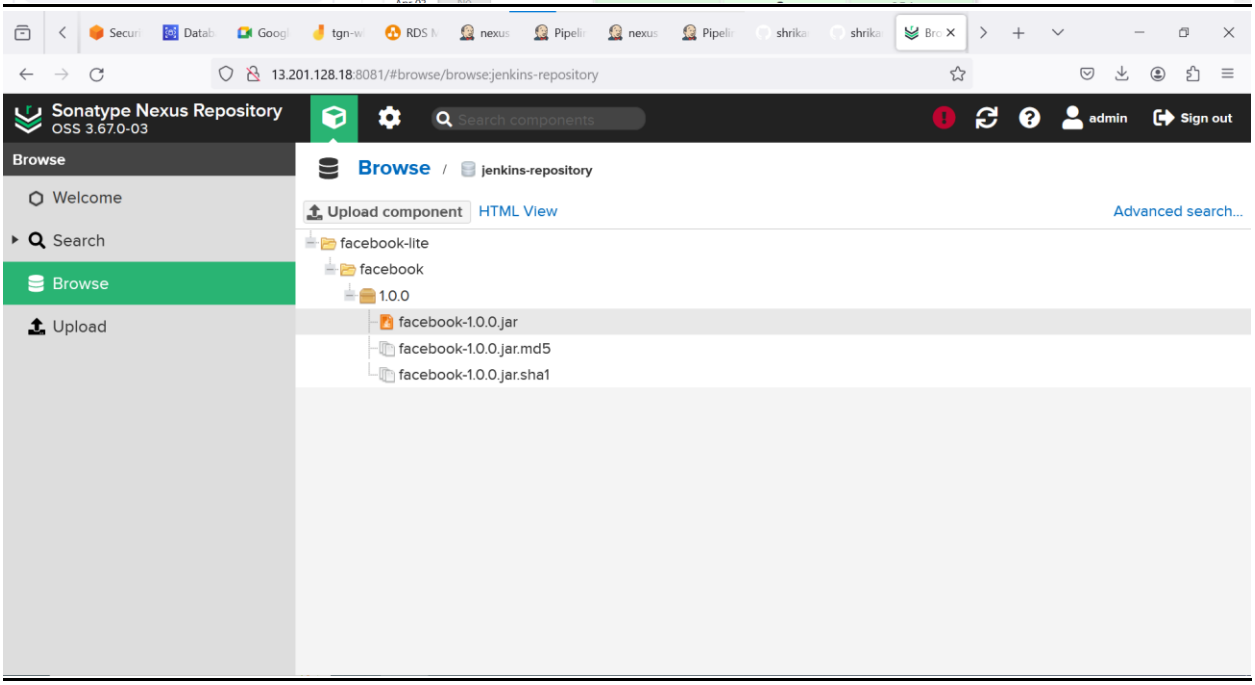

Jenkins Credentials Provider: Jenkins
Treat username as secret
Password
ID
Nexus-Login-ID
Description
Nexus-Login-ID
Cancel
Add


3.110.92.209:8080/job/nexus pipeline/pipeline-syntax/
Dashboard
nexus pipeline
Pipeline Syntax
GroupId
facebook-lite
Version
1.0.0
Repository
madhu-repo
Artifacts
Artifact
ArtifactId
facebook
Type




```
[INFO]
[INFO] --- maven-jar-plugin:3.0.2:jar (default-jar) @ facebook ---
[WARNING] JAR will be empty - no content was marked for inclusion!
[INFO] Building jar: /home/ec2-user/workspace/nexus pipeline/target/facebook-1.0.0.jar
[INFO]
[INFO] --- maven-install-plugin:2.5.2:install (default-install) @ facebook ---
[INFO] Installing /home/ec2-user/workspace/nexus pipeline/target/facebook-1.0.0.jar to /root/.m2/repository/
facebook-lite/facebook/1.0.0/facebook-1.0.0.jar
[INFO] Installing /home/ec2-user/workspace/nexus pipeline/pom.xml to /root/.m2/repository/facebook-lite/facebook/
1.0.0/facebook-1.0.0.pom
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
```





PIPELINE:

```
pipeline {
  agent {
    label 'slave-1'
  }
```

```
  stages {
    stage('Git - Clone the Code') {
      steps {
        git branch: 'AWS-DEVOPS-BRANCH', changelog: false, poll: false, url:
'https://github.com/shrikanthcr/AWS-DEVOPS-STUDY-MATERIALS.git'
      }
    }
    stage('Maven- Build the Code') {
      steps {
        sh 'mvn clean install'
      }
    }
    stage('Deploy to Nexus') {
      steps {
        nexusArtifactUploader artifacts: [[artifactId: 'facebook', classifier: '', file: '/home/ec2-
user/workspace/nexus pipeline/target/facebook-1.0.0.jar', type: 'jar']], credentialsId: 'nexus-login-
id', groupId: 'facebook-lite', nexusUrl: '13.201.128.18:8081', nexusVersion: 'nexus3', protocol: 'http',
repository: 'madhu-repo', version: '1.0.0'
      }
    }
  }
}
```