

Every time we have to manually delete jar file in the nexus repository, other wise it will give error.

JENKINS TO NEXUS INTEGRATION & JENKINS TO S3 INTEGRATION:

CICD:

Required Plugins:

In Jenkins if we have stop & start the server , public ip will be changed , so we need to update newly generated public ip in jenkins . Go to setting replace public ip in jenkins url.

The screenshot shows the Jenkins plugin manager interface. The search bar at the top contains the text 'nexus'. Below the search bar, the 'Installed plugins' tab is selected. A single plugin, 'Nexus Artifact Uploader', is listed. It is enabled, indicated by a green checkmark icon next to its status 'Enabled'. There is also a red 'x' icon to the right of the status.

The screenshot shows the Jenkins plugin manager interface. The search bar at the top contains the text 'maven int'. Below the search bar, the 'Installed plugins' tab is selected. Two plugins are listed: 'Maven Integration plugin' and 'Pipeline Maven Integration Plugin'. Both are enabled, indicated by green checkmark icons next to their status 'Enabled'. There are red 'x' icons to the right of each status.

The screenshot shows the Jenkins plugin manager interface. The search bar at the top contains the text 'maven int'. Below the search bar, the 'Installed plugins' tab is selected. Two plugins are listed: 'Maven Integration plugin' and 'Pipeline Maven Integration Plugin'. Both are enabled, indicated by green checkmark icons next to their status 'Enabled'. There are red 'x' icons to the right of each status.

The screenshot shows the Jenkins plugin manager interface. The search bar at the top contains the text "s3 publisher". A single result is listed: "S3 publisher plugin 466.vf5b_3db_8e3eb_2". Below the plugin name is a brief description: "This is a plugin to upload files to Amazon S3 buckets." To the right of the description are two buttons: a green checkmark icon labeled "Enabled" and a red X icon.

Dashboard > Manage Jenkins > Plugins

This screenshot is identical to the one above, showing the Jenkins plugin manager with the "Installed plugins" tab selected. The search bar still contains "s3 publisher". The "S3 publisher plugin" is listed as installed and enabled.

Updates

Available plugins

Installed plugins

Advanced settings

Download progress

REST API Jenkins 2.44.0.1

The screenshot shows the Jenkins plugin manager interface. The search bar at the top contains the text "webso". Two results are listed: "Websocket Notifier 1.0.6" and "Websocket.in Notification Plugin 1.2.1". Both plugins have their "Enabled" status checked with green checkmarks.

Dashboard > Manage Jenkins > Plugins

This screenshot is identical to the one above, showing the Jenkins plugin manager with the "Installed plugins" tab selected. The search bar still contains "webso". The "Websocket Notifier" and "Websocket.in Notification Plugin" are listed as installed and enabled.

Updates

Available plugins

Installed plugins

Advanced settings

Download progress

REST API Jenkins 2.44.0.1

Configuration details:

Screenshot of the Jenkins Manage Jenkins interface (54.81.39.68:8080/manage/). The left sidebar shows options like New Item, People, Build History, Project Relationship, Check File Fingerprint, Manage Jenkins (selected), and My Views. The main content area is titled "Manage Jenkins" and includes a message about security regarding built-in nodes. It features a "System Configuration" section with tabs for System, Plugins, Tools, Nodes, Clouds, and Appearance. The "System" tab is active, showing global settings and paths. Below this, there's a "Build Queue" section indicating no builds in the queue. A sub-section titled "Amazon S3 profiles" is expanded, showing fields for Profile name (s3), Use IAM Role (unchecked), Access key (AKIATCKARKEECUDAPOY), Secret key (Concealed), and Change Password. Buttons for Save and Apply are at the bottom.

Dashboard > Manage Jenkins

Manage Jenkins

Building on the built-in node can be a security issue. You should set the number of executors on the built-in node to 0. See [the documentation](#).

System Configuration

System
Configure global settings and paths.

Plugins
Add, remove, disable or enable plugins that can extend the functionality of Jenkins.

Tools
Configure tools, their locations and automatic installers.

Nodes
Add, remove, control and monitor the various nodes that Jenkins runs jobs on.

Clouds

Appearance

54.81.39.68:8080/manage/configure

Dashboard > Manage Jenkins > System >

Amazon S3 profiles

S3 profiles
Profiles for publishing to S3 buckets

Profile name ?
s3

Use IAM Role ?

Access key ?
AKIATCKARKEECUDAPOY

Secret key ?
Concealed

Change Password

Save Apply

Manage Jenkins > System >

Use IAM Role ?

Access key ?
AKIATCKARKEECUDAPOJ

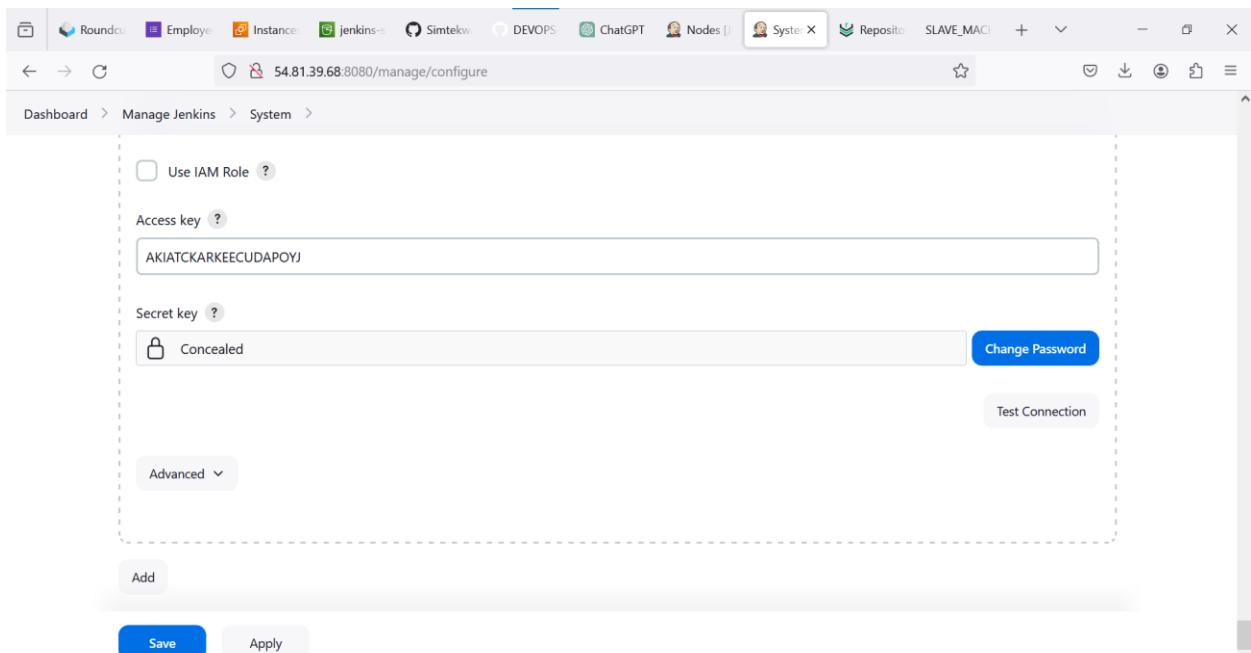
Secret key ?
 Concealed Change Password

Test Connection

Advanced ▾

Add

Save Apply



Manage Jenkins > Tools

Maven installations

Maven installations ^ Edited

Add Maven

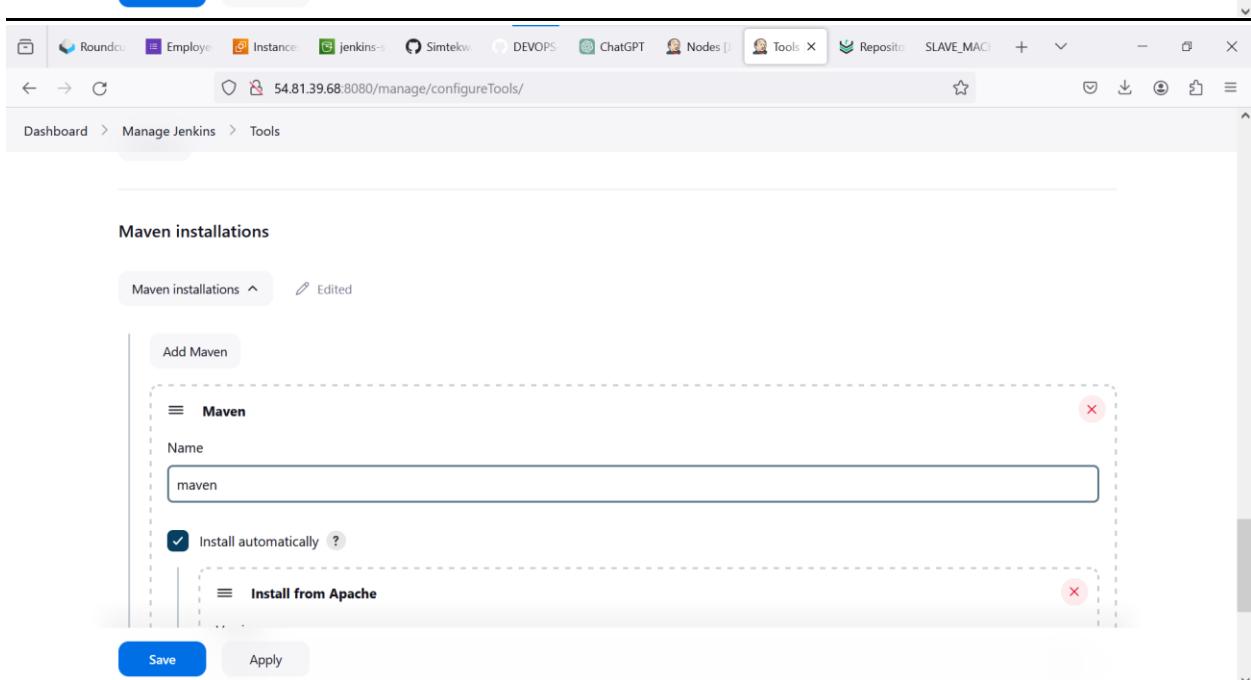
Maven

Name
 maven

Install automatically ?

Install from Apache

Save Apply



The screenshot shows the Jenkins management interface for tools. At the top, there's a header with various Jenkins instances and tools like Roundcube, Employee, Instance, jenkins-, Simtek, DEVOPS, ChatGPT, Nodes, Tools (selected), Repository, and SLAVE_MAC. Below the header, the URL is 54.81.39.68:8080/manage/configureTools/. The main content area is titled "Manage Jenkins > Tools". It contains a section for "Install automatically" with a checked checkbox. Underneath, there's a "Install from Apache" section with a dropdown menu set to "Version 3.9.6" and a "Add Installer" button. There are also "Add Maven" and "Add Pipeline" buttons. At the bottom are "Save" and "Apply" buttons. A Jenkins 2.440.1 footer is at the bottom right.

Main Configuration:

Configure

General

Enabled

Description
Nexus-Integration

Plain text [Preview](#)

Discard old builds [?](#)

GitHub project

Description to Nexus Artifact

Save **Apply**

Configure

This project is parameterized

Throttle builds

Execute concurrent builds if necessary

Restrict where this project can be run [?](#)

Label Expression [?](#)

dev

Label dev matches 1 node. Permissions or other restrictions provided by plugins may further reduce that list.

Advanced [▼](#)

Source Code Management

None

Save **Apply**

Configure

General

Source Code Management

Build Triggers

Build Environment

Pre Steps

Build

Post Steps

Build Settings

Post-build Actions

None

Git

Repositories

Repository URL: https://github.com/shrikanthr/Simtekway-Projects.git

Credentials: - none -

+ Add

Advanced

Save Apply

This screenshot shows the Jenkins configuration interface for a project named 'Jenkins-Nexus-Project'. The 'Source Code Management' section is selected, specifically the 'Git' tab. It displays the repository URL as 'https://github.com/shrikanthr/Simtekway-Projects.git' and indicates that no credentials are defined. There are buttons for 'Save' and 'Apply' at the bottom.

Configure

General

Source Code Management

Build Triggers

Build Environment

Pre Steps

Build

Post Steps

Build Settings

Post-build Actions

Branches to build

Branch Specifier (blank for 'any'): */main

Add Branch

Repository browser: (Auto)

Additional Behaviours

Add

Save Apply

This screenshot shows the Jenkins configuration interface for the same project. The 'Branches to build' section is selected. It specifies the branch specifier as '*/main'. There are buttons for 'Save' and 'Apply' at the bottom.

Configure

Build Triggers

- Build whenever a SNAPSHOT dependency is built ?
- Trigger builds remotely (e.g., from scripts) ?
- Build after other projects are built ?
- Build periodically ?
- GitHub hook trigger for GITScm polling ?
- Poll SCM ?

Build Environment

- Delete workspace before build starts

Save Apply

Configure

Build Environment

- Delete workspace before build starts
- Use secret text(s) or file(s) ?
- Provide Configuration files ?
- Add timestamps to the Console Output
- Inspect build log for published build scans
- Terminate a build if it's stuck
- With Ant ?

Pre Steps

Save Apply

Configure

Pre Steps

Add pre-build step ▾

General

Source Code Management

Build Triggers

Build Environment

Pre Steps

Build

Root POM ?

pom.xml

Goals and options ?

clean install

Advanced ▾

Save Apply

This screenshot shows the 'Pre Steps' configuration section for a Jenkins job. It includes fields for 'Root POM' (set to 'pom.xml') and 'Goals and options' (set to 'clean install'). The 'Advanced' dropdown is open. At the bottom are 'Save' and 'Apply' buttons.

Advanced ▾

Configure

Post Steps

Run only if build succeeds

Run only if build succeeds or is unstable

Run regardless of build result

Should the post-build steps run only for successful builds, etc.

Nexus artifact uploader

Nexus Details

Save Apply

This screenshot shows the 'Post Steps' configuration section for a Jenkins job. It includes three radio button options: 'Run only if build succeeds', 'Run only if build succeeds or is unstable', and 'Run regardless of build result'. The third option is selected. Below it is a note: 'Should the post-build steps run only for successful builds, etc.' A 'Nexus artifact uploader' section is shown with a red 'X' icon in the top right corner. At the bottom are 'Save' and 'Apply' buttons.

Configure

Should the post-build steps run only for successful builds, etc.

Nexus artifact uploader

Nexus Details

Nexus Version: NEXUS3

Protocol: HTTP

Nexus URL: 54.161.5.185:8081/

Credentials

Save Apply

This screenshot shows the Jenkins configuration interface for a project named 'Jenkins-Nexus-Project'. The 'Post Steps' section is selected. Under the 'Nexus artifact uploader' heading, the 'Nexus Details' section is expanded, showing the 'Nexus Version' set to 'NEXUS3', 'Protocol' set to 'HTTP', and 'Nexus URL' set to '54.161.5.185:8081/'. Below this, the 'Credentials' section is visible. At the bottom of the configuration panel are 'Save' and 'Apply' buttons.

Configure

Nexus URL: 54.161.5.185:8081/

Credentials: admin/***** (nexus-login-password)

GroupID: facebook-lite

Version: 1.0.0

Save Apply

**Nexus user id:admin
Password:admin**

This screenshot shows the same Jenkins configuration interface as the previous one, but with a red box highlighting the 'Credentials' field. The 'Credentials' field contains the text 'admin/***** (nexus-login-password)'. The 'GroupID' field is set to 'facebook-lite' and the 'Version' field is set to '1.0.0'. The 'Save' and 'Apply' buttons are at the bottom.

Configure

Version: facebook-lite
Repository: shrikant-repo (Nexus Repository Name)

Artifact:
ArtifactId: facebook
Type: jar

Save Apply

Configure

Artifact:
ArtifactId: facebook
Type: jar
Classifier: File: /home/ec2-user/workspace/Jenkins-Nexus-Project/target/facebook-1.0.0.jar (I copied this link from the console output)

Save Apply

Post-build Actions

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Pre Steps
- Build
- Post Steps
- Build Settings
- Post-build Actions

Publish artifacts to S3 Bucket

S3 profile: s3

Files to upload:

Source: target/*.jar

Exclude:

Destination bucket: jenkins-s3-bucket1

Storage class: STANDARD

Bucket Region: us-east-1

No upload on build failure

Publish from Slave

S3 Bucket Name

S3 Bucket Region

Save **Apply**

The screenshot shows the Jenkins configuration interface for a job named "Jenkins-Nexus-Project". The "Post-build Actions" tab is selected. A dropdown menu at the top right shows "FAILURE". The configuration includes:

- General: Don't wait for completion of concurrent builds before publishing to S3 (unchecked)
- Source Code Management: Do Not Set Build Result on Failure (unchecked)
- Build Triggers: None
- Build Environment: None
- Pre Steps: None
- Build: Build console log level set to INFO
- Post Steps: None
- Post-build Actions: Add post-build action (dropdown menu)

Buttons at the bottom: Save (blue), Apply.

The screenshot shows the AWS S3 console for the bucket "jenkins-s3-bucket1". The "Objects" tab is selected. The bucket contains two objects:

Name	Type	Last modified	Size	Storage class
facebook-1.0.0.jar	jar	March 15, 2024, 16:51:31 (UTC+05:30)	1.9 KB	Standard
meltin-3.0.2.jar	jar	March 15, 2024, 13:10:50 (UTC+05:30)	1.8 KB	Standard

Sonatype Nexus Repository OSS 3.66.0-02

Administration

Repository

Repositories

Proprietary Repositories

Content Selectors

Cleanup Policies

Routing Rules

Security

Privileges

Roles

Repositories / shrikant Repo

Delete repository Rebuild index

Name: shrikant Repo

Format: maven2

Type: hosted

URL: http://54.161.5.185:8081/repository/shrikant-repo/

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

Sonatype will start to collect anonymous, non-sensitive usage metrics and performance information to shape the future of Nexus Repository. [Learn more](#) about the information we collect or [Decline](#).

OK

Sonatype Nexus Repository OSS 3.66.0-02

Administration

Repository

Repositories

Proprietary Repositories

Content Selectors

Cleanup Policies

Routing Rules

Security

Privileges

Roles

Repositories / shrikant Repo

Delete repository Rebuild index

Content Disposition:

Add Content-Disposition header as 'Attachment' to disable some content from being inline in a browser.

Inline

Storage

Blob store: default

Strict Content Type Validation:

Validate that all content uploaded to this repository is of a MIME type appropriate for the repository format

Hosted

Screenshot of the Sonatype Nexus Repository OSS 3.66.0-02 interface, showing the settings for the 'shrikant' repository.

The top navigation bar includes links for Roundcube, Employee, Instance, Jenkins, Simtek, DEVOPS, ChatGPT, Jenkins, Tools, Repo, SLAVE_MAC, and Sign out.

The main title is 'Sonatype Nexus Repository OSS 3.66.0-02'. The left sidebar shows the 'Administration' menu with 'Repository' selected, and 'Repositories' is highlighted.

The central panel displays the 'Repositories' settings for 'shrikant-repo'. It includes:

- Delete repository** and **Rebuild index** buttons.
- A **Settings** tab.
- Hosted** section:
 - Deployment policy:** Set to 'Disable redeploy'.
 - Proprietary Components:** An unchecked checkbox for 'Components in this repository count as proprietary for namespace conflict attacks (requires Sonatype Nexus Firewall)'.
- Cleanup** section:
 - Cleanup Policies:** A table showing 'Available' and 'Applied' cleanup policies.
 - A 'Filter' input field.
- Save** and **Discard** buttons at the bottom.

The second screenshot below it shows the same interface after changes have been made, with the 'Applied' section now containing two cleanup policies.

Sonatype Nexus Repository OSS 3.66.0-02

Browse / shrikanth-repo

Upload component HTML View Advanced search...

facebook-lite

facebook

1.0.0

facebook-1.0.0.jar

facebook-1.0.0.jar.md5

facebook-1.0.0.jar.sha1

we have to delete this jar file before new build , otherwise it will give the error.

Jenkins -Master-Slave :

Screenshot of the Jenkins Nodes management interface.

The left sidebar shows:

- Build Queue: No builds in the queue.
- Build Executor Status:
 - Built-In Node: 1 Idle
 - slave-1: 1 Idle

The main area displays a table of nodes:

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	Built-In Node	Linux (amd64)	In sync	4.68 GiB	1 0 B	4.68 GiB	0ms
	slave-1	Linux (amd64)	In sync	5.92 GiB	1 0 B	5.92 GiB	108ms

Buttons: + New Node, Configure Monitors, Refresh.

Screenshot of the Jenkins configuration page for node slave-1.

The left sidebar shows:

- Status
- Delete Agent
- Configure
- Build History
- Load Statistics
- Script Console
- Log
- System Information
- Disconnect

The main form fields are:

- Name: slave-1
- Description: slave-1
- Number of executors: 1

The screenshot shows the Jenkins configuration page for a slave node named 'slave-1'. The URL is 54.81.39.68:8080/computer/slave-1/configure.

Host: 172.31.36.234

Credentials: ec2-user (Jenkins_Slave)

Host Key Verification Strategy: Non verifying Verification Strategy

Availability: Keep this agent online as much as possible

Annotations:

- A red box highlights the 'Host' field with the text: "We have to give slave private ip hostname -i".
- A red box highlights the 'Credentials' section with the text: "we have to give slave private key here, user name= ec2-user".
- A red box highlights the 'Host Key Verification Strategy' section with the text: "choose non verifying verification strategy".

The screenshot shows the Jenkins configuration interface for a slave node. At the top, there's a navigation bar with various icons and links. Below it, the URL is 54.81.39.68:8080/computer/slave-1/configure. The main content area has tabs for 'Advanced' and 'Edited'. Under 'Availability', a dropdown menu is open with the option 'Keep this agent online as much as possible'. The 'Node Properties' section contains several checkboxes: 'Disable deferred wipeout on this node', 'Disk Space Monitoring Thresholds', 'Environment variables', and 'Tool Locations'. A blue 'Save' button is at the bottom.

The screenshot shows the Jenkins 'Nodes' page. At the top, there's a navigation bar with the Jenkins logo and user information. Below it, the URL is 54.81.39.68:8080/computer/. The main content area has tabs for 'Nodes' (which is selected) and 'Clouds'. On the left, there are sections for 'Build Queue' (no builds in the queue) and 'Build Executor Status' (listing 'Built-In Node' with 1 idle executor and 'slave-1' with 1 idle executor). The right side shows a table of nodes:

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
1	Built-In Node	Linux (amd64)	In sync	4.68 GiB	0 B	4.68 GiB	0ms
2	slave-1	Linux (amd64)	In sync	5.92 GiB	0 B	5.92 GiB	108ms

At the bottom of the table, there's a summary row: 'Data obtained' (42 min), 'Clock Difference' (42 min), 'Free Disk Space' (42 min), 'Free Swap Space' (42 min), 'Free Temp Space' (42 min), and 'Response Time' (42 min). There are also icons for sorting by Name, Architecture, Clock Difference, Free Disk Space, Free Swap Space, and Free Temp Space.

Screenshot of a web browser showing the Jenkins master node interface. The URL is 54.81.39.68:8080/computer/slave-1.

The page title is "Agent slave-1".

Left sidebar (Status tab selected):

- Delete Agent
- Configure
- Build History
- Load Statistics
- Script Console
- Log
- System Information
- Disconnect

Right sidebar:

- Monitoring Data
- Labels
- dev
- Projects tied to slave-1
- None

Bottom section (Build Executor Status):

MobaXterm Personal Edition v24.0 (SSH client, X server and network tools)

```

Authenticating with public key "Imported-OpenSSH-Key"
  • MobaXterm Personal Edition v24.0 •
  (SSH client, X server and network tools)

> SSH session to ec2-user@54.81.39.68
  • Direct SSH : ✓
  • SSH compression : ✓
  • SSH-browser : ✓
  • X11-forwarding : ✘ (disabled or not supported by server)

> For more info, ctrl+click on help or visit our website.

Last login: Fri Mar 15 08:39:41 2024 from 122.172.84.166
[ec2-user@ip-172-31-36-110 ~]$ sudo su
[ec2-user@ip-172-31-36-110 ~]$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa.

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/

```

we have to generate ssh-keygen in master machine

Jenkins_Master_Server

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunnelling Packages Settings Help

Quick connect... <https://aws.amazon.com/linux/amazon-linux-2023/>

```
[ec2-user@ip-172-31-36-110 ~]$ sudo su
[root@ip-172-31-36-110 ec2-user]# ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa.
Your public key has been saved in /root/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:DINOBz1eBnesot4Z85vodUHgS9dWdIr2I2wAE9boc root@ip-172-31-36-110.ec2.internal
The key's randomart image is:
+---[RSA 2048]---+
 . == .. o .
 . =o+= + .o
 . +B=o o .
 . * +E . .
 . o ... S= .
 . o + o
 . . = .
 . oo.o
 . o o.

+---[SHA256]---+
[root@ip-172-31-36-110 ec2-user]#
[root@ip-172-31-36-110 ec2-user]# cd .ssh
[root@ip-172-31-36-110 .ssh]# ls
authorized_keys
[root@ip-172-31-36-110 .ssh]# su ec2-user
[ec2-user@ip-172-31-36-110 .ssh]$ cd ..
[ec2-user@ip-172-31-36-110 ~]$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/ec2-user/.ssh/id_rsa):

```

UNREGISTERED VERSION - Please support MobaTerm by subscribing to the professional edition here: <https://mobaterm.mobatek.net>

Jenkins_Master_Server

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunnelling Packages Settings Help

Quick connect... <https://aws.amazon.com/linux/amazon-linux-2023/>

```
[root@ip-172-31-36-110 ~]$ su ec2-user
[ec2-user@ip-172-31-36-110 ~]$ cd .ssh
[ec2-user@ip-172-31-36-110 ~]$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/ec2-user/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/ec2-user/.ssh/id_rsa.
Your public key has been saved in /home/ec2-user/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:xPnYp8stWV/1AoelUxzTlxUkPl3X0Nc9zKk7KuK94xP8 ec2-user@ip-172-31-36-110.ec2.internal
The key's randomart image is:
+---[RSA 2048]---+
 .+.. oo*
 .o.+ . X*
 .+o + o.0
 .o+oo.. oo
 S==== o
 o=Bo. .
 o.o.o E
 .o.
 o.

+---[SHA256]---+
[ec2-user@ip-172-31-36-110 ~]$ cd .ssh
[ec2-user@ip-172-31-36-110 .ssh]$ ls
authorized_keys id_rsa id_rsa.pub
[ec2-user@ip-172-31-36-110 .ssh]$ cat id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAQABAAAQd0d0A0LP5Lhj399zwQ9FMoiyGt1T8WHQ3W5ythRiX8jm3i7AbZ22oG52Nl8rIMb0/cnrguqoh8xqQ1ZQb4RT8az
irbhT1fU/YNHOCBX5rcfkf3ttCj2JHw9KcwzA1XLcb6uz6t74KTP8upm0RqbSMm2v0g2cxKYK1AoJteJ8faE/g15kTwVQGmr/CTWVAmBfmr+xW4g2ae5j3KUrA
i+pD0ge17b8XF/c7LTFq9+05kQYoh7Anuapk73tczMpJyKIUWABehhj8b190z30Zd6H0mThnEgpYimhbP8td+tyrIYGNoe6jRCCFn9fvKf4aivF9Er/hIxvPsg
nP ec2-user@ip-172-31-36-110.ec2.internal
[ec2-user@ip-172-31-36-110 .ssh]$
```

Jenkins Slave Server

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

Name /home/ec2-user/

```
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/
```

[ec2-user@ip-172-31-36-234 ~]\$ sudo su
[root@ip-172-31-36-234 ec2-user]# cd .ssh
[root@ip-172-31-36-234 .ssh]# ls
authorized_keys
[root@ip-172-31-36-234 .ssh]# vi authorized_keys
[root@ip-172-31-36-234 .ssh]# cat authorized_keys
[root@ip-172-31-36-234 .ssh]# cat authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQ4C4STnQ/5BMDYasykDnI8RL/C0mVv/2x9Tj0rDLV87Mm51/65HrFAliqs4o7pizPUi320aB52aAFrDbLSuDZf4sMWU9z3sJ5nfEHGexpNy0IZ2LtpFETmWuAfRnsghWHDCNKAQd0URph5BxKp7nqIj5icqglkm059xsQl2boJlaTk4Dpkx9XswZKG0etnMra9yvBx8C10421kVBTzJbhn1Fu/YNHOCExSrkcf3ttCj2JHw9KcwzA1XLcb6uz6t74KTP8upm0RqbSMm2w0g2cxKYK1AoJteJ8faE/g15kTwvQGmr/CTWvAmbFmr+xW4g2ae5j3KUrA1+pE0Lge17b8XF/c7Ltfq94-05kQyoh7uAnuapk73tczLpJyKIuWABEhhj8b190z30Zd6H0mThnEgpyimhbP8td+tyrIYGNoe6jRCCFn9fvKf4aTvF9Er/hIxvPsgnP ec2-user@ip-172-31-36-110.ec2.internal

sshd: RSA key fingerprint is SHA256:AAAAB3NzaC1yc2EAAAQABAAQ4C4STnQ/5BMDYasykDnI8RL/C0mVv/2x9Tj0rDLV87Mm51/65HrFAliqs4o7pizPUi320aB52aAFrDbLSuDZf4sMWU9z3sJ5nfEHGexpNy0IZ2LtpFETmWuAfRnsghWHDCNKAQd0URph5BxKp7nqIj5icqglkm059xsQl2boJlaTk4Dpkx9XswZKG0etnMra9yvBx8C10421kVBTzJbhn1Fu/YNHOCExSrkcf3ttCj2JHw9KcwzA1XLcb6uz6t74KTP8upm0RqbSMm2w0g2cxKYK1AoJteJ8faE/g15kTwvQGmr/CTWvAmbFmr+xW4g2ae5j3KUrA1+pE0Lge17b8XF/c7Ltfq94-05kQyoh7uAnuapk73tczLpJyKIuWABEhhj8b190z30Zd6H0mThnEgpyimhbP8td+tyrIYGNoe6jRCCFn9fvKf4aTvF9Er/hIxvPsgnP ec2-user@ip-172-31-36-110.ec2.internal

[root@ip-172-31-36-234 ~]\$ ssh -v jenkins@54.81.39.68
OpenSSH_8.2p1, OpenSSL 1.1.1f 25 Feb 2023
debug1: Reading configuration data /etc/ssh/ssh_config
debug1: /etc/ssh/ssh_config line 54: Applying options for *
debug1: Connecting to 54.81.39.68 [54.81.39.68] port 22.
debug1: Connection established.
debug1: identity file /root/.ssh/id_rsa type 1
debug1: identity file /root/.ssh/id_rsa-cert type -1
debug1: Local version string SSH-2.0-OpenSSH_8.2
debug1: Remote host identifier 54.81.39.68
debug1: Remote version string SSH-2.0-OpenSSH_8.2
debug1: Local language preferences: en-US
debug1: Remote language preferences: en-US
debug1: Local locale: C
debug1: Remote locale: C
debug1: SSH2_MSG_KEXINIT sent
debug1: SSH2_MSG_KEXINIT received
debug1: KEX algorithm: curve25519-sha256@libssh.org
debug1: Host key algorithm: ecdsa-sha2-nistp256
debug1: Host key: ecdsa-sha2-nistp256 SHA256:AAAAB3NzaC1yc2EAAAQABAAQ4C4STnQ/5BMDYasykDnI8RL/C0mVv/2x9Tj0rDLV87Mm51/65HrFAliqs4o7pizPUi320aB52aAFrDbLSuDZf4sMWU9z3sJ5nfEHGexpNy0IZ2LtpFETmWuAfRnsghWHDCNKAQd0URph5BxKp7nqIj5icqglkm059xsQl2boJlaTk4Dpkx9XswZKG0etnMra9yvBx8C10421kVBTzJbhn1Fu/YNHOCExSrkcf3ttCj2JHw9KcwzA1XLcb6uz6t74KTP8upm0RqbSMm2w0g2cxKYK1AoJteJ8faE/g15kTwvQGmr/CTWvAmbFmr+xW4g2ae5j3KUrA1+pE0Lge17b8XF/c7Ltfq94-05kQyoh7uAnuapk73tczLpJyKIuWABEhhj8b190z30Zd6H0mThnEgpyimhbP8td+tyrIYGNoe6jRCCFn9fvKf4aTvF9Er/hIxvPsgnP ec2-user@ip-172-31-36-110.ec2.internal

[root@ip-172-31-36-234 ~]\$ cd ..
[root@ip-172-31-36-234 ~]\$ yum install java -11 -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Usage: yum [options] COMMAND

List of Commands:

- check Check for problems in the rpmdb
- check-update Check for available package updates
- clean Remove cached data

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Dashboard > Jenkins-Nexus-Project > #39 > Console Output

Console Output

Status Changes

Console Output

View as plain text

Edit Build Information Delete build '#39'

Git Build Data Redeploy Artifacts See Fingerprints Previous Build

Started by user admin
Running as SYSTEM
Building remotely on `slave-1` (dev) in workspace `/home/ec2-user/workspace/Jenkins-Nexus-Project`
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /home/ec2-user/workspace/Jenkins-Nexus-Project/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url <https://github.com/shrikanthr/Simtekway-Projects.git> # timeout=10
Fetching upstream changes from <https://github.com/shrikanthr/Simtekway-Projects.git>
> git --version # timeout=10
> git --version # 'git version 2.40.1'
> git fetch --tags --force --progress -- <https://github.com/shrikanthr/Simtekway-Projects.git> +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision `eae83f03923e2aff8010a2c2181f64548c3e1645` (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f `eae83f03923e2aff8010a2c2181f64548c3e1645` # timeout=10
Commit message: "Create nom.xml"

```
Established TCP socket on 32801
maven35-agent.jar already up to date
maven35-interceptor.jar already up to date
maven3-interceptor-commons.jar already up to date
[Jenkins-Nexus-Project] $ java -cp /home/ec2-user/maven35-agent.jar:/home/ec2-user/tools/
hudson.tasks.Maven_MavenInstallation/maven/boot/plexus-classworlds-2.7.0.jar:/home/ec2-user/tools/
hudson.tasks.Maven_MavenInstallation/maven/conf/logging jenkins.maven3.agent.Maven35Main /home/ec2-user/tools/
hudson.tasks.Maven_MavenInstallation/maven /home/ec2-user/remoting.jar /home/ec2-user/maven35-interceptor.jar /
/home/ec2-user/maven3-interceptor-commons.jar 32801
<===[JENKINS REMOTING CAPACITY]==>channel started
Executing Maven: -B -f /home/ec2-user/workspace/Jenkins-Nexus-Project/pom.xml clean install
[INFO] Scanning for projects...
[INFO]
[INFO] -----
[INFO] < facebook-lite:facebook >-----
[INFO] Building facebook 1.0.0
[INFO]   from pom.xml
[INFO] -----
[INFO] [ jar ]-----
[INFO]
[INFO] --- clean:3.1.0:clean (default-clean) @ facebook ---
[INFO] Deleting /home/ec2-user/workspace/Jenkins-Nexus-Project/target
[INFO]
[INFO] --- resources:3.0.2:resources (default-resources) @ facebook ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/ec2-user/workspace/Jenkins-Nexus-Project/src/main/resources
[INFO]
```

```
[INFO] --- resources:3.0.2:testResources (default-testResources) @ facebook ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/ec2-user/workspace/Jenkins-Nexus-Project/src/test/resources
[INFO]
[INFO] --- compiler:3.8.0:testCompile (default-testCompile) @ facebook ---
[INFO] No sources to compile
[INFO]
[INFO] --- surefire:2.22.1:test (default-test) @ facebook ---
[INFO] No tests to run.
[JENKINS] Recording test results
[INFO]
[INFO] --- jar: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/Jenkins-Nexus-Project/target/facebook-1.0.0.jar
[INFO]
[INFO] --- install:2.5.2:install (default-install) @ facebook ---
[INFO] Installing /home/ec2-user/workspace/Jenkins-Nexus-Project/target/facebook-1.0.0.jar to /home/ec2-user/.m2/
repository/facebook-lite/facebook/1.0.0/facebook-1.0.0.jar
[INFO] Installing /home/ec2-user/workspace/Jenkins-Nexus-Project/pom.xml to /home/ec2-user/.m2/repository/
facebook-lite/facebook/1.0.0/facebook-1.0.0.pom
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 4.974 s
[INFO] Finished at: 2024-03-15T11:25:13Z
```

```
[INFO] Finished at: 2024-03-15T11:25:13Z
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving /home/ec2-user/workspace/Jenkins-Nexus-Project/pom.xml to facebook-lite/facebook/1.0.0
facebook-1.0.0.pom
[JENKINS] Archiving /home/ec2-user/workspace/Jenkins-Nexus-Project/target/facebook-1.0.0.jar to facebook-lite/
facebook/1.0.0/facebook-1.0.0.jar
channel stopped
Uploading artifact facebook-1.0.0.jar started....
GroupId: facebook-lite
ArtifactId: facebook
Classifier:
Type: jar
Version: 1.0.0
File: facebook-1.0.0.jar
Repository:shrikanth-repo
Uploading: http://54.161.5.185:8081//repository/shrikanth-repo/facebook-lite/facebook/1.0.0/facebook-1.0.0.jar
100 % completed (1.9 kB / 1.9 kB).
Uploaded: http://54.161.5.185:8081//repository/shrikanth-repo/facebook-lite/facebook/1.0.0/facebook-1.0.0.jar (1.9
kB at 5.8 kB/s)
Uploading artifact facebook-1.0.0.jar completed.
Publish artifacts to S3 Bucket Build is still running
Publish artifacts to S3 Bucket Using S3 profile: s3
Publish artifacts to S3 Bucket bucket=jenkins-s3-bucket1, file=facebook-1.0.0.jar region=us-east-1, will be
uploaded from slave=false managed=false , server encryption false
```

```
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving /home/ec2-user/workspace/Jenkins-Nexus-Project/pom.xml to facebook-lite/facebook/1.0.0
facebook-1.0.0.pom
[JENKINS] Archiving /home/ec2-user/workspace/Jenkins-Nexus-Project/target/facebook-1.0.0.jar to facebook-lite/
facebook/1.0.0/facebook-1.0.0.jar
channel stopped
Uploading artifact facebook-1.0.0.jar started....
GroupId: facebook-lite
ArtifactId: facebook
Classifier:
Type: jar
Version: 1.0.0
File: facebook-1.0.0.jar
Repository:shrikanth-repo
Uploading: http://54.161.5.185:8081//repository/shrikanth-repo/facebook-lite/facebook/1.0.0/facebook-1.0.0.jar
100 % completed (1.9 kB / 1.9 kB).
Uploaded: http://54.161.5.185:8081//repository/shrikanth-repo/facebook-lite/facebook/1.0.0/facebook-1.0.0.jar (1.9
kB at 5.8 kB/s)
Uploading artifact facebook-1.0.0.jar completed.
Publish artifacts to S3 Bucket Build is still running
Publish artifacts to S3 Bucket Using S3 profile: s3
Publish artifacts to S3 Bucket bucket=jenkins-s3-bucket1, file=facebook-1.0.0.jar region=us-east-1, will be
uploaded from slave=false managed=false , server encryption false
Finished: SUCCESS
```

Jenkins Master prerequisites:

```
sudo yum install java-11 -y
```

```
sudo yum install git -y
```

```
sudo yum install maven -y
```

```
su ec2-user
```

```
ssh-keygen
```

```
cd .ssh
```

```
ls
```

```
id_rsa.pub
```

```
cat id_rsa.pub
```

```
copy id_rsa.pub
```

Jenkins Slave prerequisites:

```
sudo yum install java-11 -y
```

```
cd .ssh
```

```
ls
```

```
authorized_key
```

```
vi authorized_key
```

```
paste id_rsa.pub key of master
```

Nexus User Data:

```
!/bin/bash  
sudo su  
yum update -y  
yum install docker -y  
systemctl start docker  
systemctl enable docker  
docker pull sonatype/nexus3  
docker run -d -p 8081:8081 --name nexus sonatype/nexus3
```

To see the login password of nexus:

```
docker images  
docker ps  
docker exec -it nexus /bin/bash  
cd /nexus-data/  
ls  
cat admin.password  
0b8498af-e0e6-43be-bb72-d60a26094ecbbash-4.4$  
0b8498af-e0e6-43be-bb72-d60a26094ecb
```

Jenkins user data:

```
#!/bin/bash  
sudo su -  
yum update -y  
yum install docker -y  
systemctl start docker  
systemctl enable docker  
docker run -p 8080:8080 -p 50000:50000 jenkins/jenkins:lts
```

Jenkins Master prerequisites:

sudo yum install java-11 -y

sudo yum install git -y

sudo yum install maven -y