

Jenkins Installation

- **Prerequisite:-**

- Security Group need to have 22 and 8080 port open so that you can access the server

The screenshot shows the AWS Management Console interface for configuring an EC2 instance. The top navigation bar includes the AWS logo, a 'Services' dropdown, a search bar, and a keyboard shortcut '[Alt+S]'. Below the navigation bar is a progress bar with seven steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance (highlighted), 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 7. Review.

The main content area is titled 'Step 3: Configure Instance Details'. It contains several configuration sections:

- Credit specification:** Includes an information icon, a checkbox for 'Unlimited' (which is unchecked), and a note 'Additional charges may apply'.
- File systems:** Includes an information icon, a button 'Add file system', and a link 'Create new file system' with a circular arrow icon.
- Advanced Details:** A section with a dropdown arrow, containing several settings:
 - Enclave:** Includes an information icon and a checkbox for 'Enable' (which is unchecked).
 - Metadata accessible:** Includes an information icon and a dropdown menu set to 'Enabled'.
 - Metadata version:** Includes an information icon and a dropdown menu set to 'V1 and V2 (token optional)'.
 - Metadata token response hop limit:** Includes an information icon and a dropdown menu set to '1'.
 - User data:** Includes an information icon, three radio buttons ('As text' is selected), a checkbox for 'As file' (unchecked), and a checkbox for 'Input is already base64 encoded' (unchecked). Below these is a large text area with the placeholder '(Optional)'.

At the bottom right of the configuration area are two buttons: 'Cancel' and 'Previous'.

aws Services Search for services, features, marketplace products, and docs [Alt+S]

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 3: Configure Instance Details

Credit specification *i* ☐ Unlimited
Additional charges may apply

File systems *i* Add file system [Create new file system](#)

▼ **Advanced Details**

Enclave *i* ☐ Enable

Metadata accessible *i*

Metadata version *i*

Metadata token response hop limit *i*

User data *i* ☒ As text ☐ As file ☐ Input is already base64 encoded

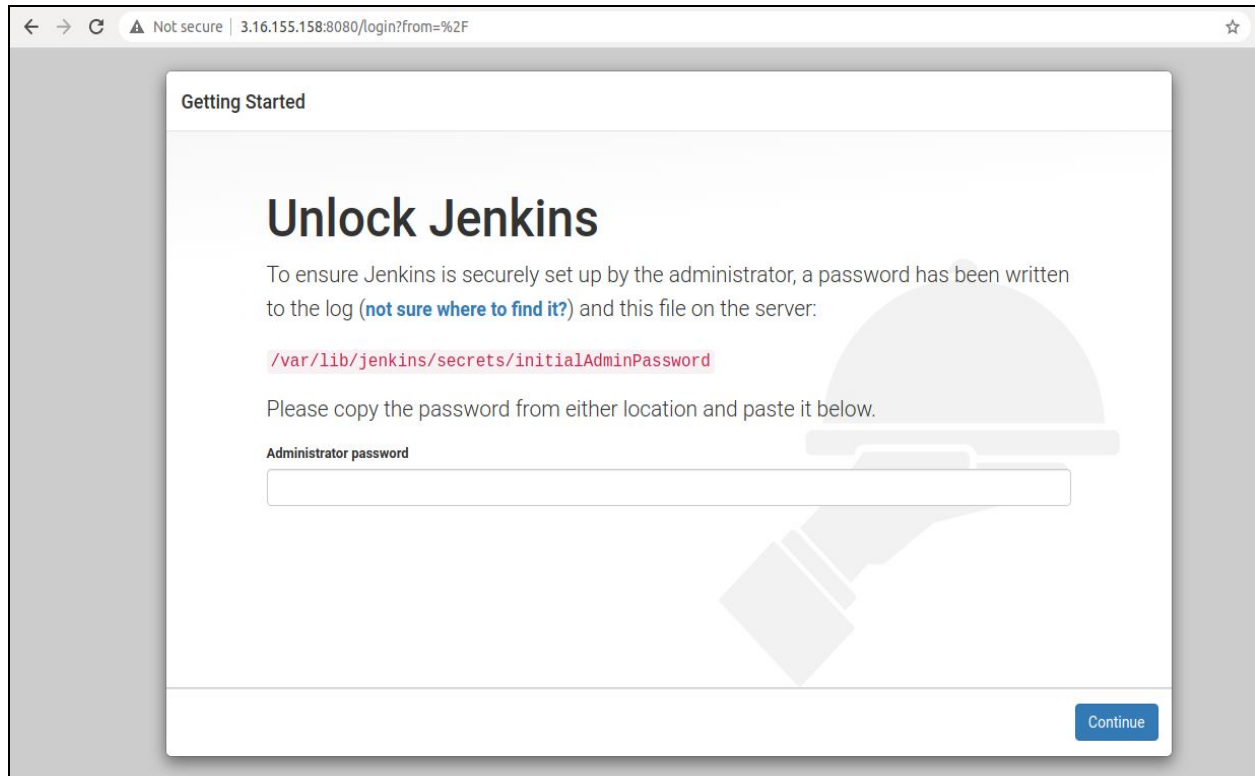
```
sudo apt-get update;
sudo apt-get install openjdk-11-jre -y;
wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key
add -
sudo sh -c 'echo deb https://pkg.jenkins.io/debian-stable binary/ > \
/etc/apt/sources.list.d/jenkins.list'
```

[Cancel](#) [Previous](#)

1. To install the Jenkins from user data insert the following commands in the user data section.

```
#!/bin/bash
sudo apt-get update;
sudo apt-get install openjdk-11-jre -y;
wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key add -
sudo sh -c 'echo deb https://pkg.jenkins.io/debian-stable binary/ > \
/etc/apt/sources.list.d/jenkins.list'
sudo apt-get update
sudo apt-get install jenkins -y
sudo apt-get clean
```

2. After You have run your script.....Jenkins Installation



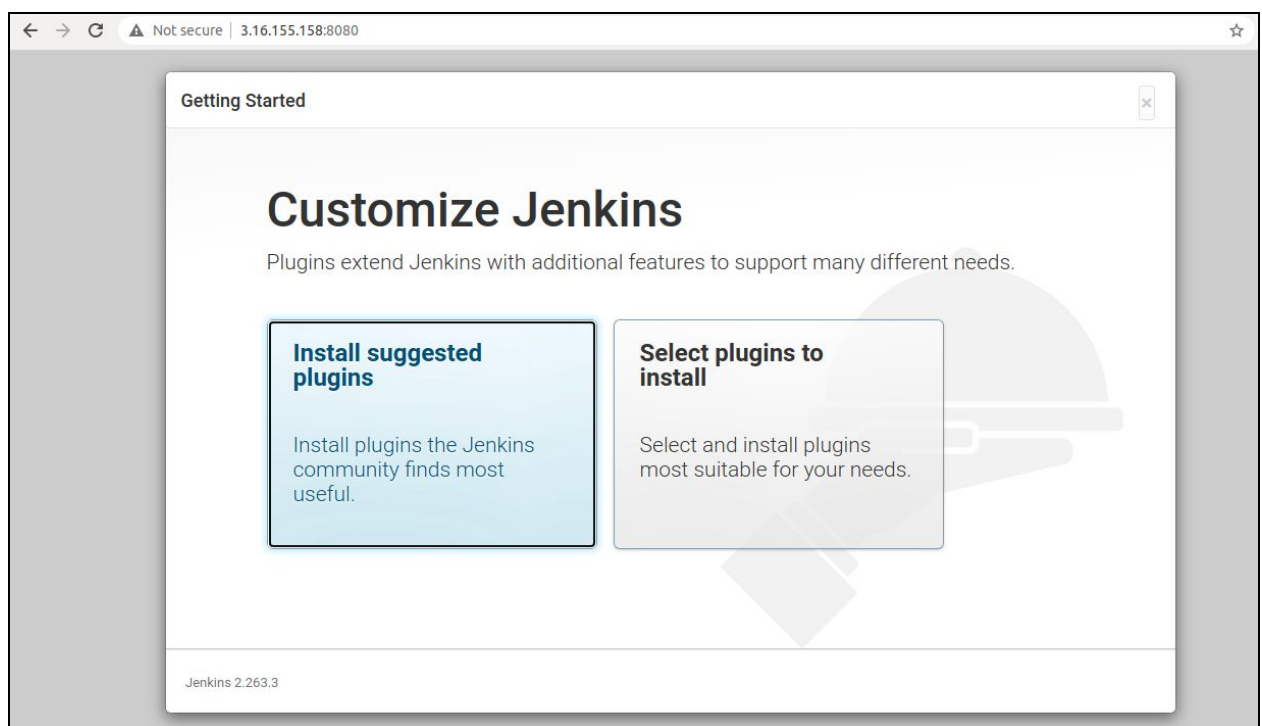
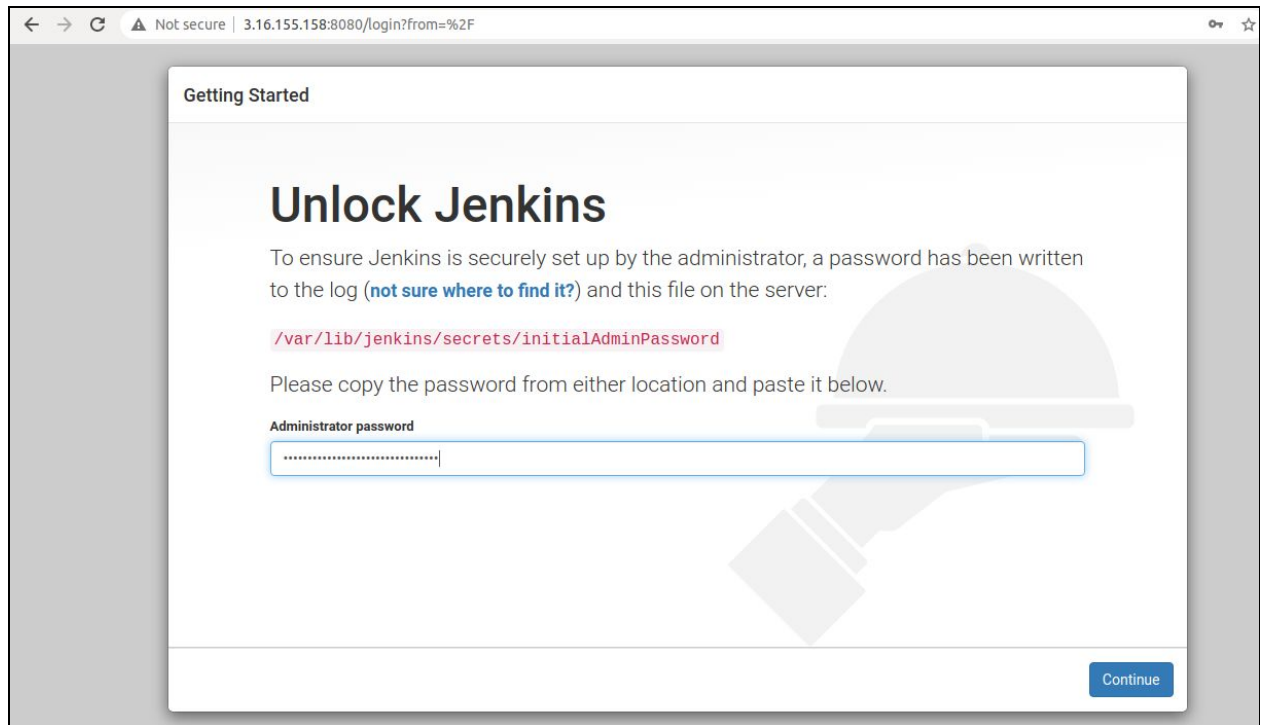
```
ubuntu@ip-172-31-44-253:~$ sudo su - jenkins
jenkins@ip-172-31-44-253:~$
```

```
jenkins@ip-172-31-44-253:~$ ls
config.xml          jenkins.install.UpgradeWizard.state  logs          plugins          secrets          users
hudson.model.UpdateCenter.xml  jenkins.telemetry.Correlator.xml     nodeMonitors.xml  secret.key       updates
identity.key.enc      jobs                                  nodes          secret.key.not-so-secret  userContent
jenkins@ip-172-31-44-253:~$
```

```
jenkins@ip-172-31-44-253:~/secrets$ pwd
/var/lib/jenkins/secrets
jenkins@ip-172-31-44-253:~/secrets$
```

```
jenkins@ip-172-31-44-253:~$ cd secrets/
jenkins@ip-172-31-44-253:~/secrets$ ls
filepath-filters.d      master.key              whitelisted-callables.d
initialAdminPassword    org.jenkinsci.main.modules.instance_identity.InstanceIdentity.KEY
jenkins.model.Jenkins.crumbSalt  slave-to-master-security-kill-switch
jenkins@ip-172-31-44-253:~/secrets$ cat initialAdminPassword
04621b1249ed4ee79ac5eb6e5974e792
jenkins@ip-172-31-44-253:~/secrets$
```

04621b1249ed4ee79ac5eb6e5974e792



← → ↻ ⚠ Not secure | 3.16.155.158:8080

Getting Started

Getting Started

✓ Folders Plugin	✓ OWASP Markup Formatter Plugin	✓ Build Timeout	✓ Credentials Binding Plugin	** Pipeline: Build Step
✓ Timestampers	✓ Workspace Cleanup	✓ Ant	✓ Gradle	** Pipeline: Model API
✓ Pipeline	✓ GitHub Branch Source	⚙ Pipeline: GitHub Groovy Libraries	✓ Pipeline: Stage View	** Pipeline: Declarative Extension Points API
✓ Git	⚙ SSH Build Agents	⚙ Matrix Authorization Strategy	⚙ PAM Authentication	** JSch dependency
⚙ LDAP	⚙ Email Extension	✓ Mailer		** Git client

** Git server
** Pipeline: Shared Groovy Libraries
** Branch API
** Pipeline: Multibranch
** Pipeline: Stage Tags
Metadata
** Pipeline: Declarative
** Lockable Resources
Pipeline
** Java JSON Web Token (JJWT)
** OKHttp
** GitHub API
Git
** GitHub
GitHub Branch Source
** - required dependency

Jenkins 2.263.3

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Getting Started

Create First Admin User

Username:

admin

Password:

Confirm password:

Full name:

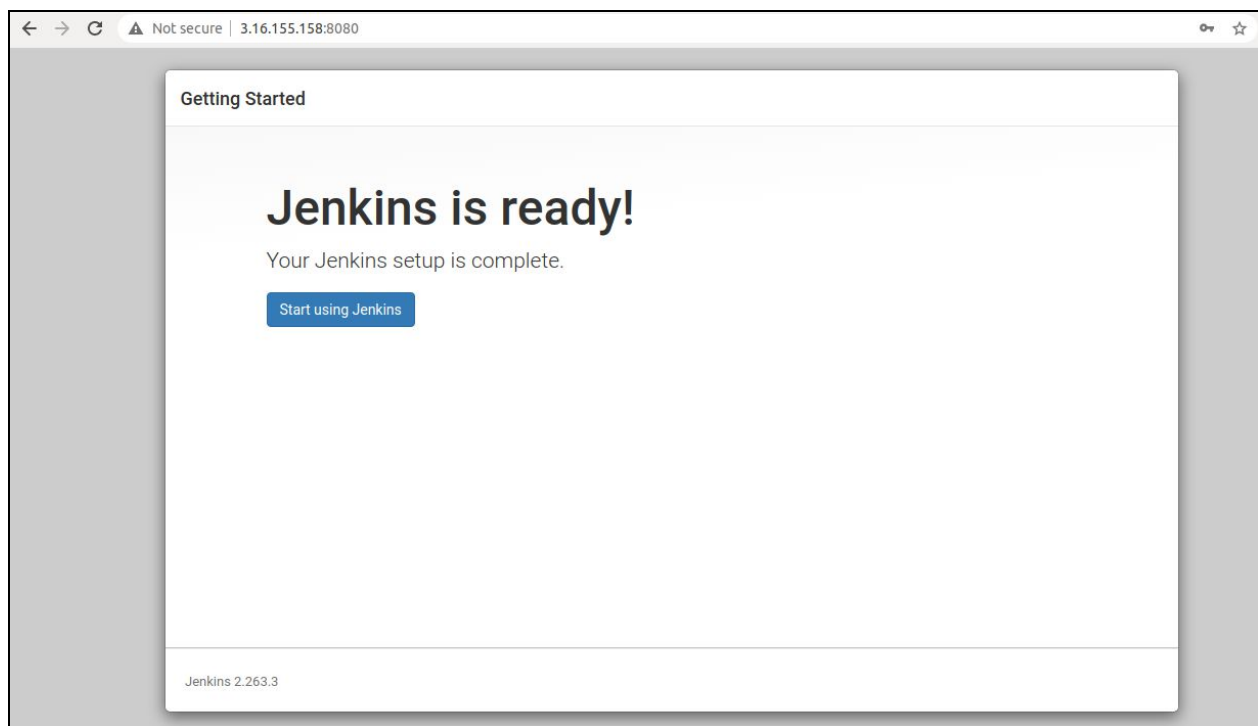
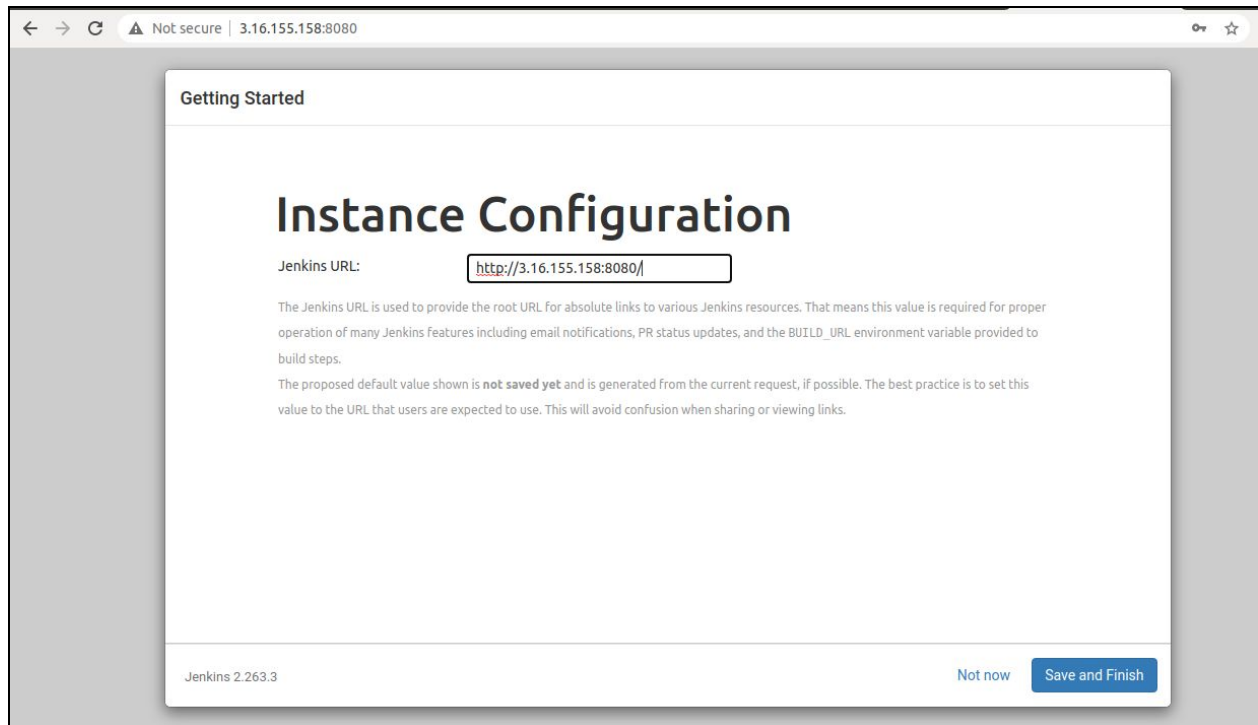
Jenkins Administrator

E-mail address:


Jenkins 2.263.3

Skip and continue as admin


Save and Continue




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 **Jenkins**


🔍


 **Jenkins Administrator**


 log


Dashboard


 New Item


 People

 Build History

 Manage Jenkins

 My Views

 Lockable Resources

 New View


Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

 add descr

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Start building your software project


Create a job →

Set up a distributed build


Set up an agent →

Configure a cloud →


Learn more about distributed builds ↗


 **Jenkins**


🔍

 **Jenkins Administrator**

Dashboard Plugin Manager

 Back to Dashboard

 Manage Jenkins

 Update Center

Updates Available Installed Advanced

Install ↑	Name	Version	Re
<input checked="" type="checkbox"/>	Slack Notification <div>Build Notifiers slack</div> <div>Integrates Jenkins with Slack, allows publishing build statuses, messages and files to Slack channels.</div>	2.45	2 n
<input checked="" type="checkbox"/>	Global Slack Notifier <div>slack</div> <div>This plugin post to slack after any build completed without any job setting.</div>	1.5	1 y
<input type="checkbox"/>	Slack Upload <div>notification slack Artifact Uploaders</div> <div>A post-build uploader that uploads files to slack generated during build process</div> <div>Warning: This plugin version may not be safe to use. Please review the following security notices:</div>	1.7	4 y

Install without restart

Download now and install after restart

Update information obtained: 40 min ago

Check no

← → ↻ ⚠ Not secure | 3.16.155.158:8080/updateCenter/


Dashboard ▸ Update Center

URL	STATUS
GitHub	Success
GitHub Branch Source	Success
Pipeline: GitHub Groovy Libraries	Success
Pipeline: Stage View	Success
Git	Success
SSH Build Agents	Success
Matrix Authorization Strategy	Success
PAM Authentication	Success
LDAP	Success
Email Extension	Success
Mailer	Success
Loading plugin extensions	Success
Slack Notification	Downloaded Successfully. Will be activated during the next boot
SonarQube Scanner	Downloaded Successfully. Will be activated during the next boot
Global Slack Notifier	Downloaded Successfully. Will be activated during the next boot
Config File Provider	Downloaded Successfully. Will be activated during the next boot
Ivy	Downloaded Successfully. Will be activated during the next boot
Javadoc	Downloaded Successfully. Will be activated during the next boot
Maven Integration	Downloaded Successfully. Will be activated during the next boot
Run Condition	Downloaded Successfully. Will be activated during the next boot
Artifactory	Downloaded Successfully. Will be activated during the next boot
Active Directory	Downloaded Successfully. Will be activated during the next boot
Role-based Authorization Strategy	Downloaded Successfully. Will be activated during the next boot
Email Extension Template	Downloaded Successfully. Will be activated during the next boot

[Go back to the top page](#)
(you can start using the installed plugins right away)

☐ Restart Jenkins when installation is complete and no jobs are running

← → ↻ ⚠ Not secure | 3.16.155.158:8080/login?from=%2FupdateCenter%2F 🔍



Welcome to Jenkins!

Sign in

☐ Keep me signed in