

Deploy Jenkins server on AWS EC2.

```
ubuntu@ip-192-168-0-61:~$ java --version
openjdk 17.0.7 2023-04-18
OpenJDK Runtime Environment (build 17.0.7+7-Ubuntu-0ubuntu120.04)
OpenJDK 64-Bit Server VM (build 17.0.7+7-Ubuntu-0ubuntu120.04, mixed mode, sharing)
ubuntu@ip-192-168-0-61:~$ curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key | sudo tee \
> /usr/share/keyrings/jenkins-keyring.asc > /dev/null
ubuntu@ip-192-168-0-61:~$ echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
> https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
> /etc/apt/sources.list.d/jenkins.list > /dev/null
ubuntu@ip-192-168-0-61:~$ sudo apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Ign:4 https://pkg.jenkins.io/debian-stable binary/ InRelease
Get:5 https://pkg.jenkins.io/debian-stable binary/ Release [2044 B]
Get:6 https://pkg.jenkins.io/debian-stable binary/ Release.gpg [833 B]
Hit:7 http://security.ubuntu.com/ubuntu focal-security InRelease
Get:8 https://pkg.jenkins.io/debian-stable binary/ Packages [25.1 kB]
Fetched 250 kB in 1s (289 kB/s)
Reading package lists... Done
ubuntu@ip-192-168-0-61:~$ sudo apt-get install jenkins
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  net-tools
The following NEW packages will be installed:
  jenkins net-tools
0 upgraded, 2 newly installed, 0 to remove and 81 not upgraded.
Need to get 95.8 MB of archives.
After this operation, 99.3 MB of additional disk space will be used.
```

Sign in [Jenkins] x +

Not Secure | 44.192.119.239:8080/login?from=%2F

Getting Started

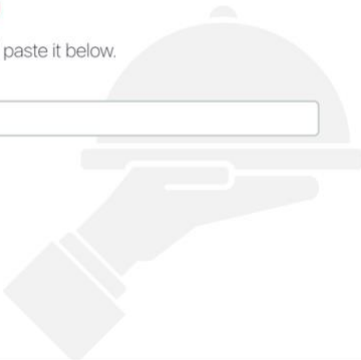
Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

`/var/lib/jenkins/secrets/initialAdminPassword`

Please copy the password from either location and paste it below.

Administrator password



Continue



Customize Jenkins

Plugins extend Jenkins with additional features to support many different needs.

Install suggested plugins

Install plugins the Jenkins community finds most useful.

Select plugins to install

Select and install plugins most suitable for your needs.

Jenkins 2.401.2

The screenshot shows the Jenkins 2.401.2 dashboard. At the top, there's a navigation bar with the Jenkins logo, a search bar, and user information (lekeufack emireine) with a log out button. Below the navigation bar, the dashboard is divided into several sections. On the left, there's a sidebar with links to 'New Item', 'People', 'Build History', 'Manage Jenkins', and 'My Views'. Below these links, there are two expandable sections: 'Build Queue' (showing 'No builds in the queue') and 'Build Executor Status' (showing two idle executors). The main content area on the right features a 'Welcome to Jenkins!' message, followed by instructions on how to start building a software project. Below this, there are three main action buttons: 'Create a job', 'Set up a distributed build', and 'Configure a cloud', each with a right-pointing arrow. At the bottom right, there's a link to 'Learn more about distributed builds' with an external link icon. The footer of the dashboard includes a 'REST API' link and the version number 'Jenkins 2.401.2'.

← → ↻ Not Secure 44.192.119.239:8080

Jenkins Search (⌘+K) 1 lekeufack emireine log out

Dashboard >

+ New Item

People

Build History

Manage Jenkins

My Views

Build Queue ▾

No builds in the queue.

Build Executor Status ▾

1 Idle

2 Idle

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 ↗

REST API Jenkins 2.401.2

← → ↻ Not Secure | 44.192.119.239:8080/job/primary_job/1/ 🔖 ☆ 📱 E ⋮

Jenkins 🔍 Search (#+K) ? 🛡️ 1 👤 lekeufack emireine 🚪 log out

Dashboard > primary_job > #1

📄 Status

</> Changes

📄 Console Output

📄 Edit Build Information

🗑️ Delete build '#1'

✅ **Build #1 (Jul 6, 2023, 5:58:11 AM)**

🔗 No changes.

🕒 Started by user [lekeufack emireine](#)

Keep this build forever

✎ Add description

Started 4.8 sec ago
Took 27 ms

REST API Jenkins 2.401.2

Jenkins 🔍 Search (#+K) ? 🛡️ 1 👤 lekeufack emireine 🚪 log out

Dashboard > primary_job > #1 > Console Output

📄 Status

</> Changes

📄 Console Output

📄 View as plain text

📄 Edit Build Information

🗑️ Delete build '#1'

✅ **Console Output**

Started by user [lekeufack emireine](#)
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/primary_job
[primary_job] \$ /bin/sh -xe /tmp/jenkins5316611824569141298.sh
+ echo welcome to aws class november22
welcome to aws class november22
Finished: SUCCESS