

## Jenkins Task

### Creating EC2 Instance:

The screenshot shows the AWS Management Console for the 'us-east-1' region. The 'Instances' page is active, displaying a table with one instance: 'JenkinsEC2' (ID: i-075e306545bfa06f5) in a 'Running' state. The instance type is 't2.micro' and it is located in the 'us-east-1b' availability zone. The console also shows a sidebar with navigation options and a top bar with search and user information.

```
ubuntu@ip-172-31-26-138: ~  
System information as of Fri Apr 11 11:21:44 UTC 2025  
  
System load: 0.07      Processes:            106  
Usage of /:  25.0% of 6.71GB   Users logged in:     0  
Memory usage: 20%      IPv4 address for enx0: 172.31.26.138  
Swap usage:  0%  
  
Expanded Security Maintenance for Applications is not enabled.  
0 updates can be applied immediately.  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
The list of available updates is more than a week old.  
To check for new updates run: sudo apt update  
  
The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
ubuntu@ip-172-31-26-138:~$ |
```

## Installing Java:

```
ubuntu@ip-172-31-26-138: ~  
Adding debian:TrustAsia_Global_Root_CA_G4.pem  
Adding debian:Trustwave_Global_Certification_Authority.pem  
Adding debian:Trustwave_Global_ECC_P256_Certification_Authority.pem  
Adding debian:Trustwave_Global_ECC_P384_Certification_Authority.pem  
Adding debian:TunTrust_Root_CA.pem  
Adding debian:UCA_Extended_Validation_Root.pem  
Adding debian:UCA_Global_G2_Root.pem  
Adding debian:USERTrust_ECC_Certification_Authority.pem  
Adding debian:USERTrust_RSA_Certification_Authority.pem  
Adding debian:XRamp_Global_CA_Root.pem  
Adding debian:certSIGN_ROOT_CA.pem  
Adding debian:certSIGN_Root_CA_G2.pem  
Adding debian:e-Szigno_Root_CA_2017.pem  
Adding debian:ePKI_Root_Certification_Authority.pem  
Adding debian:emSign_ECC_Root_CA_-_C3.pem  
Adding debian:emSign_ECC_Root_CA_-_G3.pem  
Adding debian:emSign_Root_CA_-_C1.pem  
Adding debian:emSign_Root_CA_-_G1.pem  
Adding debian:vTrus_ECC_Root_CA.pem  
Adding debian:vTrus_Root_CA.pem  
done.  
Setting up openjdk-17-jre:amd64 (17.0.14+7-1-24.04) ...  
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...  
Processing triggers for libgdk-pixbuf-2.0-0:amd64 (2.42.10+dfsg-3ubuntu3.1) ...  
Scanning processes...  
Scanning linux images...  
  
Running kernel seems to be up-to-date.  
  
No services need to be restarted.  
  
No containers need to be restarted.  
  
No user sessions are running outdated binaries.  
  
No VM guests are running outdated hypervisor (qemu) binaries on this host.  
ubuntu@ip-172-31-26-138:~$ java -version  
openjdk version "17.0.14" 2025-01-21  
OpenJDK Runtime Environment (build 17.0.14+7-Ubuntu-124.04)  
OpenJDK 64-Bit Server VM (build 17.0.14+7-Ubuntu-124.04, mixed mode, sharing)  
ubuntu@ip-172-31-26-138:~$ |
```

## Installing Jenkins:

```
ubuntu@ip-172-31-26-138: ~  
Fetched 31.6 kB in 1s (45.5 kB/s)  
Reading package lists... Done  
ubuntu@ip-172-31-26-138:~$ sudo apt-get install jenkins  
Reading package lists... Done  
Building dependency tree... Done  
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 59 not upgraded.  
Need to get 95.0 MB of archives.  
After this operation, 97.6 MB of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 net-tools amd64 2.10-0.1ubuntu4 [204 kB]  
Get:2 https://pkg.jenkins.io/debian-stable binary/ jenkins 2.492.3 [94.8 MB]  
Fetched 95.0 MB in 19s (5028 kB/s)  
Selecting previously unselected package net-tools.  
(Reading database ... 85286 files and directories currently installed.)  
Preparing to unpack .../net-tools_2.10-0.1ubuntu4_amd64.deb ...  
Unpacking net-tools (2.10-0.1ubuntu4) ...  
Selecting previously unselected package jenkins.  
Preparing to unpack .../jenkins_2.492.3_all.deb ...  
Unpacking jenkins (2.492.3) ...  
Setting up net-tools (2.10-0.1ubuntu4) ...  
Setting up jenkins (2.492.3) ...  
Created symlink /etc/systemd/system/multi-user.target.wants/jenkins.service → /usr/lib/systemd/system/jenkins.service.  
Processing triggers for man-db (2.12.0-4build2) ...  
Scanning processes...  
Scanning linux images...  
  
Running kernel seems to be up-to-date.  
  
No services need to be restarted.  
  
No containers need to be restarted.  
  
No user sessions are running outdated binaries.  
  
No VM guests are running outdated hypervisor (qemu) binaries on this host.  
ubuntu@ip-172-31-26-138:~$ |
```

## Starting Jenkins:

```
ubuntu@ip-172-31-26-138: ~$ sudo apt-get install jenkins
Reading package lists... Done
Building dependency tree... Done
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 59 not upgraded.
Need to get 95.0 MB of archives.
After this operation, 97.6 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 net-tools amd64 2.10-0.1ubuntu4 [204 kB]
Get:2 https://pkg.jenkins.io/debian-stable binary/ jenkins 2.492.3 [94.8 MB]
Fetched 95.0 MB in 19s (5028 kB/s)
Selecting previously unselected package net-tools.
(Reading database ... 85286 files and directories currently installed.)
Preparing to unpack .../net-tools_2.10-0.1ubuntu4_amd64.deb ...
Unpacking net-tools (2.10-0.1ubuntu4) ...
Selecting previously unselected package jenkins.
Preparing to unpack .../jenkins_2.492.3_all.deb ...
Unpacking jenkins (2.492.3) ...
Setting up net-tools (2.10-0.1ubuntu4) ...
Setting up jenkins (2.492.3) ...
Created symlink /etc/systemd/system/multi-user.target.wants/jenkins.service → /usr/lib/systemd/system/jenkins.service.
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...

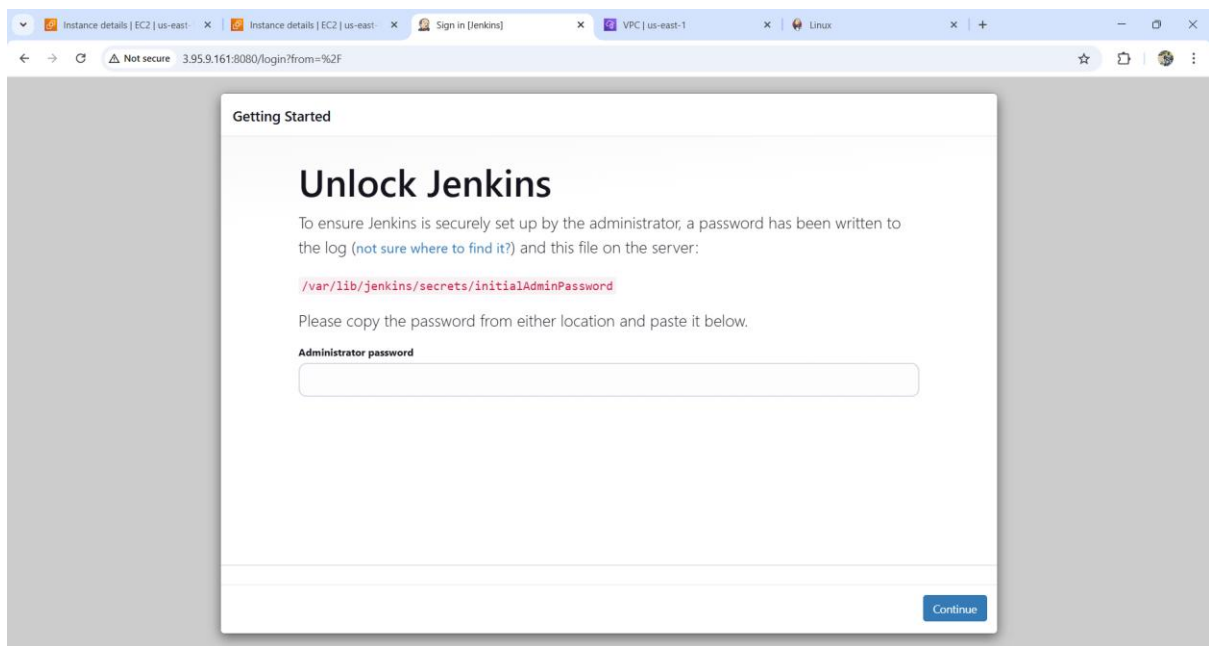
Running kernel seems to be up-to-date.

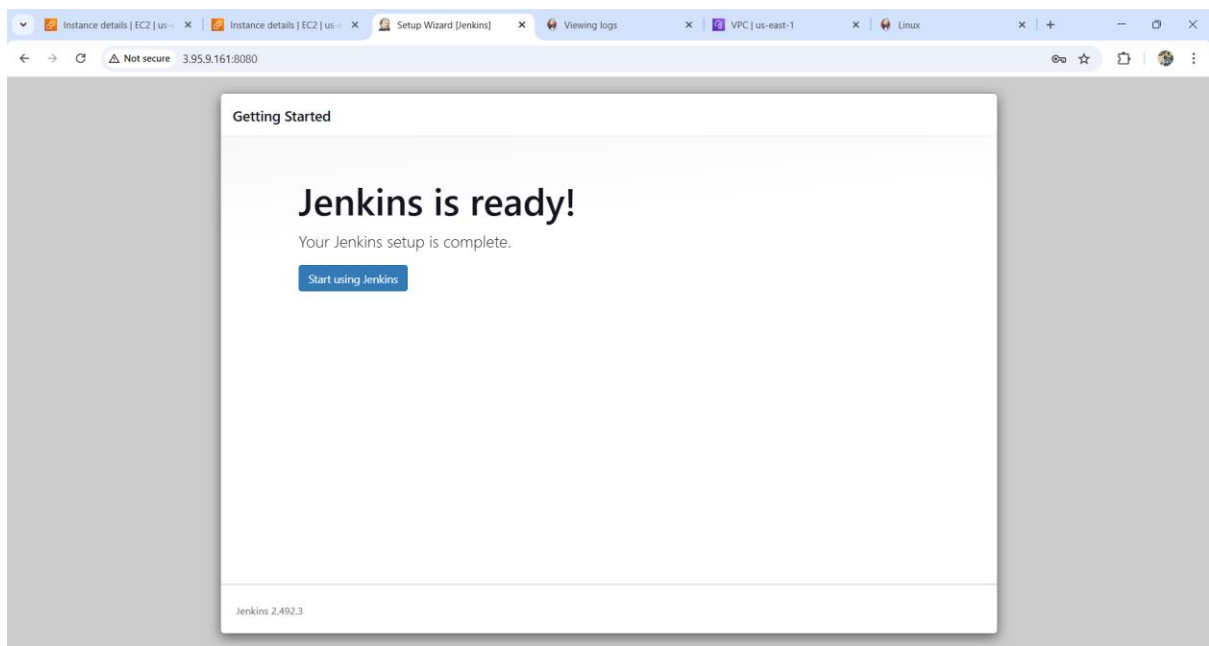
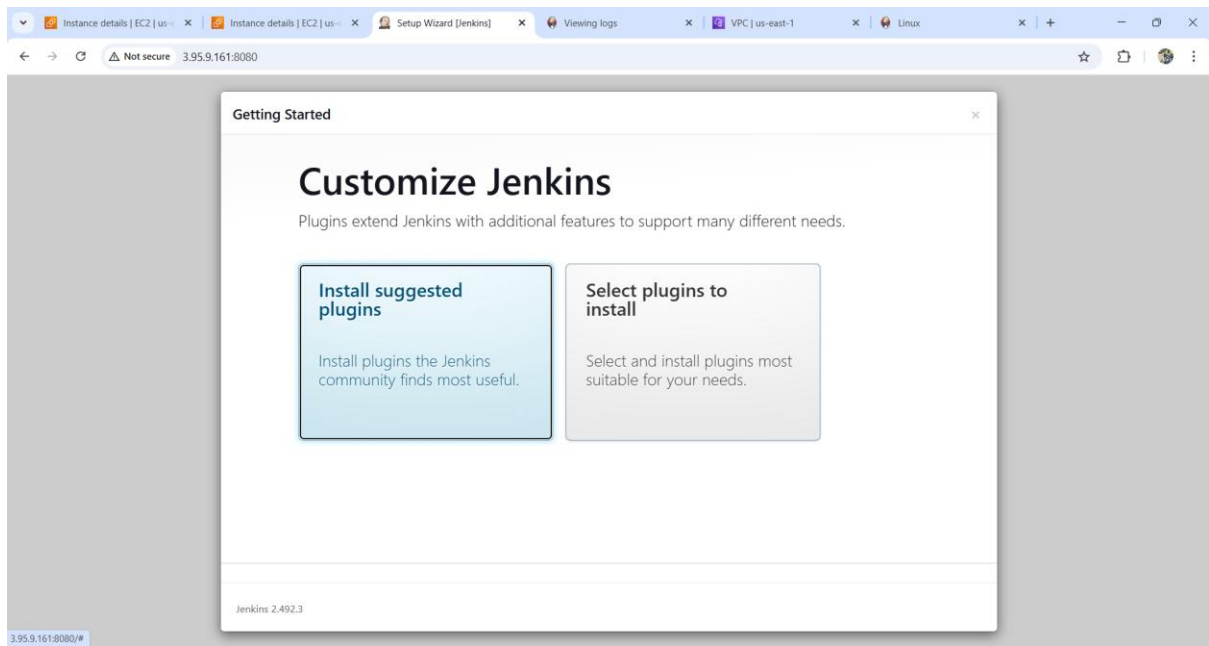
No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-26-138:~$ sudo systemctl enable jenkins
Synchronizing state of jenkins.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable jenkins
ubuntu@ip-172-31-26-138:~$
```





Instance details | EC2 | us-... Instance details | EC2 | us-... Dashboard [Jenkins] Viewing logs VPC | us-east-1 Linux

← → ↻ ⚠ Not secure 3.95.9.161:8080

**Jenkins** 🔍 🔔 🔒 🛡️ surekrish 🚪 log out

Dashboard >

+ New Item

📅 Build History

⚙️ Manage Jenkins

📁 My Views

Build Queue

No builds in the queue.

Build Executor Status

0/2

## 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 2.492.3

## Creating New Project:

Instance details | EC2 | us-... Instance details | EC2 | us-... New Item [Jenkins] Viewing logs VPC | us-east-1 Linux

← → ↻ ⚠ Not secure 3.95.9.161:8080/view/all/newJob

**Jenkins** 🔍 🔔 🔒 🛡️ surekrish 🚪 log out


Dashboard > All > New Item


### New Item


Enter an item name


GuvTest

Select an item type

**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.

**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 builds, etc.

**Folder**  
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different


OK



Instance details | EC2 | us-Instance details | EC2 | us-Users [Jenkins]Viewing logsVPC | us-east-1Linux

←→↻Not secure3.95.9.161:8080/securityRealm/

🔍🔔🛡️🔴surekrish🔽🚪log out






Jenkins

Dashboard > Jenkins' own user database

Users 2

+ Create User

These users can log into Jenkins. This is a sub set of [this list](#), which also contains auto-created users who really just made some commits on some projects and have no direct Jenkins access.

User ID 1	Name	
 <a href="#">admin</a>	surekrish	
 <a href="#">User1</a>	new user	 

Jenkins 2.492.3