

Amazon Linux 2 AMI

```
https://aws.amazon.com/amazon-linux-2/  
3 package(s) needed for security, out of 7 available  
Run "sudo yum update" to apply all updates.  
[ec2-user@ip-172-31-38-208 ~]$ sudo su -
```

```
[root@ip-172-31-38-208 ~]#  
[root@ip-172-31-38-208 ~]#  
[root@ip-172-31-38-208 ~]#  
[root@ip-172-31-38-208 ~]#  
[root@ip-172-31-38-208 ~]# ls  
[root@ip-172-31-38-208 ~]#  
[root@ip-172-31-38-208 ~]#  
[root@ip-172-31-38-208 ~]# yum install java
```

```
java-11-amazon-corretto-headless.x86_64  
java-11-amazon-corretto-javadoc.x86_64  
java-11-amazon-corretto.x86_64  
java-1.7.0-openjdk-accessibility.x86_64  
java-1.7.0-openjdk-demo.x86_64  
java-1.7.0-openjdk-devel.x86_64  
java-1.7.0-openjdk-headless.x86_64  
java-1.7.0-openjdk-javadoc.noarch  
java-1.7.0-openjdk-src.x86_64  
java-1.7.0-openjdk.x86_64  
java-17-amazon-corretto-devel.x86_64  
java-17-amazon-corretto-headless.x86_64
```

```
java-17-amazon-corretto-javadoc.x86_64  
java-17-amazon-corretto-jmود.x86_64  
java-17-amazon-corretto.x86_64  
java-1.8.0-amazon-corretto-devel.x86_64  
java-1.8.0-amazon-corretto.x86_64  
java-1.8.0-openjdk-accessibility-debug.x86_64  
java-1.8.0-openjdk-accessibility.x86_64  
java-1.8.0-openjdk-debug.x86_64  
java-1.8.0-openjdk-demo-debug.x86_64  
java-1.8.0-openjdk-demo.x86_64  
java-1.8.0-openjdk-devel-debug.x86_64  
java-1.8.0-openjdk-devel.x86_64  
java-1.8.0-openjdk-headless-debug.x86_64  
java-1.8.0-openjdk-headless.x86_64  
java-1.8.0-openjdk-javadoc-debug.noarch  
java-1.8.0-openjdk-javadoc.noarch  
java-1.8.0-openjdk-javadoc-zip-debug.noarch  
java-1.8.0-openjdk-javadoc-zip.noarch  
java-1.8.0-openjdk-src-debug.x86_64  
java-1.8.0-openjdk-src.x86_64  
java-1.8.0-openjdk.x86_64  
java-atk-wrapper.x86_64  
javacc-demo.noarch  
javacc-javadoc.noarch  
javacc-manual.noarch  
javacc-maven-plugin-javadoc.noarch  
javacc-maven-plugin.noarch  
javacc.noarch  
java_cup-javadoc.noarch  
java_cup-manual.noarch  
java_cup.noarch  
javamail-javadoc.noarch  
javapackages-tools.noarch  
javassist-javadoc.noarch  
javassist.noarch
```

## FIRST WE NEED JAVA

i-0ef2c57af228ea800 (1)  
PublicIPs: 13.126.124.176 PrivateIPs: 172.31.38.208

FOR JENKINS TO WORK WE CAN INSTALL JAVA 11 OR JAVA 8 .  
VISIT JENKINS HOMPAGE TO CHECK.  
YOU CAN OPT FOR LONG TIME SUPPORT OR WEEKLY RELEASE

AWS Services Search for services, features, blogs, docs, and more [Alt+S] Mumbai ashray\_aws

VPC EC2 EFS IAM Simple Notification Service CloudWatch S3 CloudFront CloudTrail

```
libXi.x86_64 0:1.7.9-1.amzn2.0.2
libXrender.x86_64 0:0.9.10-1.amzn2.0.2
libfontenc.x86_64 0:1.1.3-3.amzn2.0.2
libglvnd-glx.x86_64 1:1.0.1-0.1.git5baale5.amzn2.0.1
libwayland-server.x86_64 0:1.17.0-1.amzn2
libxslt.x86_64 0:1.28-6.amzn2
mesa-libEGL.x86_64 0:18.3.4-5.amzn2.0.1
mesa-libglapi.x86_64 0:18.3.4-5.amzn2.0.1
pixman.x86_64 0:0.34.0-1.amzn2.0.2
ttmKfdDir.x86_64 0:3.0.9-42.amzn2.0.2
xorg-x11-fonts-Type1.noarch 0:7.5-9.amzn2

libXinerama.x86_64 0:1.1.3-2.1.amzn2.0.2
libXtst.x86_64 0:1.2.3-1.amzn2.0.2
libglvnd.x86_64 1:1.0.1-0.1.git5baale5.amzn2.0.1
libthai.x86_64 0:0.1.14-9.amzn2.0.2
libxcb.x86_64 0:1.12-1.amzn2.0.2
lksctp-tools.x86_64 0:1.0.17-2.amzn2.0.2
mesa-libGL.x86_64 0:18.3.4-5.amzn2.0.1
pango.x86_64 0:1.42.4-4.amzn2
python-javapackages.noarch 0:3.4.1-11.amzn2
tzdata-java.noarch 0:2022a-1.amzn2

libXrandr.x86_64 0:1.5.1-2.amzn2.0.3
libXxf86vm.x86_64 0:1.1.4-1.amzn2.0.2
libglvnd-egl.x86_64 1:1.0.1-0.1.git5baale5.amzn2.0.1
libwayland-client.x86_64 0:1.17.0-1.amzn2
libxshmfence.x86_64 0:1.2-1.amzn2.0.2
log4j-cve-2021-44228-hotpatch.noarch 0:1.3-7.amzn2
mesa-libgbm.x86_64 0:18.3.4-5.amzn2.0.1
pcsc-lite-libs.x86_64 0:1.8.8-7.amzn2
python-lxml.x86_64 0:3.2.1-4.amzn2.0.3
xorg-x11-font-utils.x86_64 1:7.5-21.amzn2
```

Complete!

```
[root@ip-172-31-38-208 ~]#
[root@ip-172-31-38-208 ~]#
[root@ip-172-31-38-208 ~]# amazon-linux-extras
 0 ansible           available \
  [ =2.4.2  =2.4.6  =2.8  =stable ]
 2 httpd_modules     available [ =1.0  =stable ]
 3 memcached1.5      available \
  [ =1.5.1  =1.5.16  =1.5.17 ]
 5 postgresql9.6      available \
  [ =9.6.6  =9.6.8  =stable ]
 6 postgresql10        available [ =10  =stable ]
 9 R3.4               available [ =3.4.3  =stable ]
10 rust1              available \
  [ =1.22.1  =1.26.0  =1.26.1  =1.27.2  =1.31.0  =1.38.0
   =stable ]
11 vim                available [ =8.0  =stable ]
18 libreoffice        available \
  [ =5.0.6.2.15  =5.3.6.1  =stable ]
```

IF YOU WANT TO INSTALL JAVA 11 THEN RUN THIS COMMAND TO FIND THE EXTRA PACKAGE



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Public IPs: 13.126.124.176 Private IPs: 172.31.38.208

AWS Services Search for services, features, blogs, docs, and more [Alt+S] Mumbai ashray\_aws

VPC EC2 EFS IAM Simple Notification Service CloudWatch S3 CloudFront CloudTrail

```
61 dnsmasq2.85      available  [ =stable ]
62 kernel-5.15       available  [ =stable ]
63 postgresql14      available  [ =stable ]
64 firefox           available  [ =stable ]
65 lustre            available  [ =stable ]
[root@ip-172-31-38-208 ~]# amazon-linux-extras install java-openjdk11 -y
Installing java-11-openjdk
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-java-openjdk11 amzn2extra-kernel-5.10
17 metadata files removed
6 sqlite files removed
0 metadata files removed
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core          | 3.7 kB 00:00:00
amzn2extra-docker   | 3.0 kB 00:00:00
amzn2extra-java-openjdk11 | 3.0 kB 00:00:00
amzn2extra-kernel-5.10 | 3.0 kB 00:00:00
(1/9): amzn2-core/2/x86_64/group_gz | 2.5 kB 00:00:00
(2/9): amzn2-core/2/x86_64/updateinfo | 495 kB 00:00:00
(3/9): amzn2extra-docker/2/x86_64/updateinfo | 6.4 kB 00:00:00
(4/9): amzn2extra-kernel-5.10/2/x86_64/updateinfo | 18 kB 00:00:00
(5/9): amzn2extra-java-openjdk11/2/x86_64/updateinfo | 1.3 kB 00:00:00
(6/9): amzn2extra-docker/2/x86_64/primary_db | 93 kB 00:00:00
(7/9): amzn2extra-java-openjdk11/2/x86_64/primary_db | 126 kB 00:00:00
(8/9): amzn2extra-kernel-5.10/2/x86_64/primary_db | 11 MB 00:00:00
(9/9): amzn2-core/2/x86_64/primary_db | 65 MB 00:00:00
Resolving Dependencies
--> Running transaction check
--> Package java-11-openjdk.x86_64 1:11.0.13.0.8-1.amzn2.0.3 will be installed
--> Processing Dependency: java-11-openjdk-headless(x86-64) = 1:11.0.13.0.8-1.amzn2.0.3 for package: 1:java-11-openjdk-11.0.13.0.8-1.amzn2.0.3.x86_64
--> Running transaction check

i-0ef2c57af228ea800 (1)
PublicIPs: 13.126.124.176 PrivateIPs: 172.31.38.208
```

INSTALL JAVA 11

```
53 unbound1.13 available [ =stable ]
54 mariadb10.5 available [ =stable ]
55 kernel-5.10=latest enabled [ =stable ]
56 redis6 available [ =stable ]
57 ruby3.0 available [ =stable ]
58 postgresql12 available [ =stable ]
59 postgresql13 available [ =stable ]
60 mock2 available [ =stable ]
61 dnsmasq2.85 available [ =stable ]
62 kernel-5.15 available [ =stable ]
63 postgresql14 available [ =stable ]
64 firefox available [ =stable ]
65 lustre available [ =stable ]
```

```
[root@ip-172-31-38-208 ~]#
[root@ip-172-31-38-208 ~]#
[root@ip-172-31-38-208 ~]#
[root@ip-172-31-38-208 ~]#
[root@ip-172-31-38-208 ~]: alternatives --config java
```

There are 2 programs which provide 'java'.

**CURRENT VERSION WHICH IS SELCTED.**

Selection	Command
+ 1	java-1.8.0-openjdk.x86_64 (/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.332.b09-1.amzn2.0.2.x86_64/jre/bin/java)
2	java-11-openjdk.x86_64 (/usr/lib/jvm/java-11-openjdk-11.0.13.0.8-1.amzn2.0.3.x86_64/bin/java)

Inter to keep the current selection[+], or type selection number: 2

```
[root@ip-172-31-38-208 ~]#
[root@ip-172-31-38-208 ~]#
[root@ip-172-31-38-208 ~]#
```

NOW WE HAVE TWO VERSION OF JAVA. YOU CAN CHECK IT BY RUNNING JAVA -VERSION.

NOW WE NEED TO SELECT ONE VERSION FOR OUR APPLICATION. WE CAN DO THAT BY RUNNING THIS COMMAND.

IT WILL PROMT TO SELECT US THE VERSION WHICH WE WANT TO USE.

WE WILL USE JAVA 11 FOR JENKINS.

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PublicIPs: 13.126.124.176 PrivateIPs: 172.31.38.208

AWS Services Search for services, features, blogs, docs, and more [Alt+S] Mumbai ashray\_aws

VPC EC2 EFS IAM Simple Notification Service CloudWatch S3 CloudFront CloudTrail

```
giflib.x86_64 0:4.1.6-9.amzn2.0.2
gtk2.x86_64 0:2.24.31-1.amzn2.0.2
jasper-libs.x86_64 0:1.900.1-33.amzn2
javapackages-tools.noarch 0:3.4.1-11.amzn2
libX11.x86_64 0:1.6.7-3.amzn2.0.2
libXcomposite.x86_64 0:0.4.4-4.1.amzn2.0.2
libXext.x86_64 0:1.3.3-3.amzn2.0.2
libXi.x86_64 0:1.7.9-1.amzn2.0.2
libXrender.x86_64 0:0.9.10-1.amzn2.0.2
libfontenc.x86_64 0:1.1.3-3.amzn2.0.2
libglvnd-glx.x86_64 1:1.0.1-0.1.git5baale5.amzn2.0.1
libwayland-server.x86_64 0:1.17.0-1.amzn2
libxslt.x86_64 0:1.1.28-6.amzn2
mesa-libEGL.x86_64 0:18.3.4-5.amzn2.0.1
mesa-libglapi.x86_64 0:18.3.4-5.amzn2.0.1
pixman.x86_64 0:0.34.0-1.amzn2.0.2
ttmkfdir.x86_64 0:3.0.9-42.amzn2.0.2
xorg-x11-fonts-Type1.noarch 0:7.5-9.amzn2
```

```
graphite2.x86_64 0:1.3.10-1.amzn2.0.2
harfbuzz.x86_64 0:1.7.5-2.amzn2
java-1.8.0-openjdk.x86_64 1:1.8.0.332.b09-1.amzn2.0.2
libICE.x86_64 0:1.0.9-9.amzn2.0.2
libX11-common.noarch 0:1.6.7-3.amzn2.0.2
libXcursor.x86_64 0:1.1.15-1.amzn2
libXfixes.x86_64 0:5.0.3-1.amzn2.0.2
libXinerama.x86_64 0:1.1.3-2.1.amzn2.0.2
libXtst.x86_64 0:1.2.3-1.amzn2.0.2
libglvnd.x86_64 1:1.0.1-0.1.git5baale5.amzn2.0.1
libthai.x86_64 0:0.1.14-9.amzn2.0.2
libxcb.x86_64 0:1.12-1.amzn2.0.2
lksctp-tools.x86_64 0:1.0.17-2.amzn2.0.2
mesa-libGL.x86_64 0:18.3.4-5.amzn2.0.1
pango.x86_64 0:1.42.4-4.amzn2
python-javapackages.noarch 0:3.4.1-11.amzn2
tzdata-java.noarch 0:2022a-1.amzn2
```

```
gtk-update-icon-cache.x86_64 0:3.22.30-3.amzn2
hicolor-icon-theme.noarch 0:0.12-7.amzn2
java-1.8.0-openjdk-headless.x86_64 1:1.8.0.332.b09-1.amzn2.0.2
libSM.x86_64 0:1.2.2-2.amzn2.0.2
libXau.x86_64 0:1.0.8-2.1.amzn2.0.2
libXdamage.x86_64 0:1.1.4-4.1.amzn2.0.2
libXft.x86_64 0:2.3.2-2.amzn2.0.2
libXrandr.x86_64 0:1.5.1-2.amzn2.0.3
libXxf86vm.x86_64 0:1.1.4-1.amzn2.0.2
libglvnd-egl.x86_64 1:1.0.1-0.1.git5baale5.amzn2.0.1
libwayland-client.x86_64 0:1.17.0-1.amzn2
libxshmfence.x86_64 0:1.2-1.amzn2.0.2
log4j-cve-2021-44228-hotpatch.noarch 0:1.3-7.amzn2
mesa-libgbm.x86_64 0:18.3.4-5.amzn2.0.1
pcsc-lite-libs.x86_64 0:1.8.8-7.amzn2
python-lxml.x86_64 0:3.2.1-4.amzn2.0.3
xorg-x11-font-utils.x86_64 1:7.5-21.amzn2
```

Complete!

```
[root@ip-172-31-38-181 ~]#
[root@ip-172-31-38-181 ~]#
[root@ip-172-31-38-181 ~]#
[root@ip-172-31-38-181 ~]# mkdir apache-tom-cat
[root@ip-172-31-38-181 ~]#
[root@ip-172-31-38-181 ~]# cd apache-tom-cat/
[root@ip-172-31-38-181 apache-tom-cat]# ls -la
-bash: ls: command not found
[root@ip-172-31-38-181 apache-tom-cat]# ls -la
total 0
drwxr-xr-x 2 root root 6 Aug 27 08:26 .
dr-xr-x--- 4 root root 125 Aug 27 08:26 ..
[root@ip-172-31-38-181 apache-tom-cat]#
```

AFTER JAVA INSTALLTION IS DONE.

NOW CREATE AN DIR FOR YOUR APACHE TOM CAT SERVER.

i-02eed390ec742c9a3

PublicIPs: 13.127.116.176 PrivateIPs: 172.31.38.181

Tomcat 10.0  
Tomcat 9.0  
Tomcat 8.5  
Tomcat Connectors  
Tomcat Native 2  
Tomcat Native 1.2  
Wiki  
Migration Guide  
Presentations  
Specifications

## Problems?

Security Reports  
Find help  
FAQ  
Mailing Lists  
Bug Database  
IRC

## Get Involved

Overview  
Source code  
Buildbot  
Translations  
Tools

## Media

Twitter  
YouTube  
Blog

## Misc

Who We Are  
Swag  
Heritage  
Apache Home  
Resources  
Contact  
Legal  
Privacy  
Support Apache  
Sponsorship  
Thanks  
License

9.0.65

Please see the [README](#) file for packaging information. It explains what every distribution contains.

### Binary Distributions

- Core:
  - [zip \(pgp, sha512\)](#)
  - [tar.gz \(pgp, sha512\)](#)
  - [32-bit Windows zip \(pgp, sha512\)](#)
  - [64-bit Windows zip \(pgp, sha512\)](#)
  - [32-bit/64-bit Windows Service Installer \(pgp, sha512\)](#)
- Full documentation:
  - [tar.gz \(pgp, sha512\)](#)
- Deployer:
  - [zip \(pgp, sha512\)](#)
  - [tar.gz \(pgp, sha512\)](#)
- Embedded:
  - [tar.gz \(pgp, sha512\)](#)
  - [zip \(pgp, sha512\)](#)

**COPY THE LINK ADD**

### Source Code Distributions

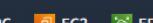
- [tar.gz \(pgp, sha512\)](#)
- [zip \(pgp, sha512\)](#)

**TO INSTALL APACHE TOM CAT SERVER GO TO APACHE TOM CAT HOME PAGE AND  
SELECT THE REQUIRE VERSION.**

**<https://tomcat.apache.org/download-90.cgi>**



VPC



Simple Notification Service



CloudWatch



S3



CloudFront



CloudTrail

```
libX11.x86_64 0:1.6.7-3.amzn2.0.2  
libXcomposite.x86_64 0:0.4.4-4.1.amzn2.0.2  
libXext.x86_64 0:1.3.3-3.amzn2.0.2  
libXi.x86_64 0:1.7.9-1.amzn2.0.2  
libXrender.x86_64 0:0.9.10-1.amzn2.0.2  
libfontenc.x86_64 0:1.1.3-3.amzn2.0.2  
libglvnd-glx.x86_64 1:1.0.1-0.1.git5baa1e5.amzn2.0.1  
libwayland-server.x86_64 0:1.17.0-1.amzn2  
libxslt.x86_64 0:1.1.28-6.amzn2  
mesa-libEGL.x86_64 0:18.3.4-5.amzn2.0.1  
mesa-libglapi.x86_64 0:18.3.4-5.amzn2.0.1  
pixman.x86_64 0:0.34.0-1.amzn2.0.2  
ttmkfdirc.x86_64 0:3.0.9-42.amzn2.0.2  
xorg-x11-fonts-Type1.noarch 0:7.5-9.amzn2
```

Complete!

```
[root@ip-172-31-38-181 ~]#  
[root@ip-172-31-38-181 ~]#  
[root@ip-172-31-38-181 ~]#  
[root@ip-172-31-38-181 ~]# mkdir apache-tomcat  
[root@ip-172-31-38-181 ~]#  
[root@ip-172-31-38-181 ~]#  
[root@ip-172-31-38-181 ~]# cd apache-tomcat/  
[root@ip-172-31-38-181 apache-tomcat]# ls -la  
-bash: ls: command not found  
[root@ip-172-31-38-181 apache-tomcat]# ls -la  
total 0  
drwxr-xr-x 2 root root 6 Aug 27 08:26 .  
dr-xr-x--- 4 root root 125 Aug 27 08:26 ..  
[root@ip-172-31-38-181 apache-tomcat]#  
[root@ip-172-31-38-181 apache-tomcat]# wget https://downloads.apache.org/tomcat/tomcat-9/v9.0.65/bin/apache-tomcat-9.0.65.zip
```

```
libX11-common.noarch 0:1.6.7-3.amzn2.0.2  
libXcursor.x86_64 0:1.1.15-1.amzn2  
libXfixes.x86_64 0:5.0.3-1.amzn2.0.2  
libXinerama.x86_64 0:1.1.3-2.1.amzn2.0.2  
libXtst.x86_64 0:1.2.3-1.amzn2.0.2  
libglvnd.x86_64 1:1.0.1-0.1.git5baa1e5.amzn2.0.1  
libthai.x86_64 0:0.1.14-9.amzn2.0.2  
libxcb.x86_64 0:1.12-1.amzn2.0.2  
lksctp-tools.x86_64 0:1.0.17-2.amzn2.0.2  
mesa-libGL.x86_64 0:18.3.4-5.amzn2.0.1  
pango.x86_64 0:1.42.4-4.amzn2  
python-javapackages.noarch 0:3.4.1-11.amzn2  
tzdata-java.noarch 0:2022a-1.amzn2
```

```
libXau.x86_64 0:1.0.8-2.1.amzn2.0.2  
libXdamage.x86_64 0:1.1.4-4.1.amzn2.0.2  
libXft.x86_64 0:2.3.2-2.amzn2.0.2  
libXrandr.x86_64 0:1.5.1-2.amzn2.0.3  
libXxf86vm.x86_64 0:1.1.4-1.amzn2.0.2  
libglvnd-egl.x86_64 1:1.0.1-0.1.git5baa1e5.amzn2.0.1  
libwayland-client.x86_64 0:1.17.0-1.amzn2  
libxshmfence.x86_64 0:1.2-1.amzn2.0.2  
log4j-cve-2021-44228-hotpatch.noarch 0:1.3-7.amzn2  
mesa-libgbm.x86_64 0:18.3.4-5.amzn2.0.1  
pcsc-lite-libs.x86_64 0:1.8.8-7.amzn2  
python-lxml.x86_64 0:3.2.1-4.amzn2.0.3  
xorg-x11-font-utils.x86_64 1:7.5-21.amzn2
```

**DO WGET AND PASTE THE LINK WHICH YOU COPIED.**

**REMOVE EXTRA EXTENSION.**

**https://downloads.apache.org/tomcat/tomcat-9/v9.0.65/bin/apache-tomcat-9.0.65.zip**



```
[root@ip-172-31-38-181 apache-tomcat]# wget https://downloads.apache.org/tomcat/tomcat-9/v9.0.65/bin/apache-tomcat-9.0.65.zip]
```

i-02eed390ec742c9a3

PublicIPs: 13.127.116.176 PrivateIPs: 172.31.38.181

AWS Services Search for services, features, blogs, docs, and more [Alt+S] Mumbai ashray\_aws

VPC EC2 EFS IAM Simple Notification Service CloudWatch S3 CloudFront CloudTrail

```
[root@ip-172-31-38-181 ~]#
[root@ip-172-31-38-181 ~]#
[root@ip-172-31-38-181 ~]# cd apache-tomcat/
[root@ip-172-31-38-181 apache-tomcat]# ls -la
ls: command not found
[root@ip-172-31-38-181 apache-tomcat]# ls -la
total 0
drwxr-xr-x 2 root root 6 Aug 27 08:26 .
dr-xr-x--- 4 root root 125 Aug 27 08:26 ..
[root@ip-172-31-38-181 apache-tomcat]# wget https://downloads.apache.org/tomcat/tomcat-9/v9.0.65/bin/apache-tomcat-9.0.65.zip
--2022-08-27 08:34:52-- https://downloads.apache.org/tomcat/tomcat-9/v9.0.65/bin/apache-tomcat-9.0.65.zip
Resolving downloads.apache.org (downloads.apache.org)... 135.181.214.104, 88.99.95.219, 2a01:4f8:10a:201a::2, ...
Connecting to downloads.apache.org (downloads.apache.org)|135.181.214.104|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 12131126 (12M) [application/zip]
Saving to: 'apache-tomcat-9.0.65.zip'

100%[=====] 12,131,126 4.68MB/s in 2.5s

2022-08-27 08:34:55 (4.68 MB/s) - 'apache-tomcat-9.0.65.zip' saved [12131126/12131126]

[root@ip-172-31-38-181 apache-tomcat]#
[root@ip-172-31-38-181 apache-tomcat]# ls -la
total 11848
drwxr-xr-x 2 root root 38 Aug 27 08:34 .
dr-xr-x--- 4 root root 125 Aug 27 08:26 ..
-rw-r--r-- 1 root root 12131126 Jul 14 13:13 apache-tomcat-9.0.65.zip
[root@ip-172-31-38-181 apache-tomcat]#
[root@ip-172-31-38-181 apache-tomcat]# unzip apache-tomcat-9.0.65.zip []

```

i-02eed390ec742c9a3  
PublicIPs: 13.127.116.176 PrivateIPs: 172.31.38.181

NOW UNZIP IT

```
inflating: apache-tomcat-9.0.65/webapps/manager/WEB-INF/jsp/401.jsp  
inflating: apache-tomcat-9.0.65/webapps/manager/WEB-INF/jsp/403.jsp  
inflating: apache-tomcat-9.0.65/webapps/manager/WEB-INF/jsp/404.jsp  
inflating: apache-tomcat-9.0.65/webapps/manager/WEB-INF/jsp/connectorCerts.jsp  
inflating: apache-tomcat-9.0.65/webapps/manager/WEB-INF/jsp/connectorCiphers.jsp  
inflating: apache-tomcat-9.0.65/webapps/manager/WEB-INF/jsp/connectorTrustedCerts.jsp  
inflating: apache-tomcat-9.0.65/webapps/manager/WEB-INF/jsp/sessionDetail.jsp  
inflating: apache-tomcat-9.0.65/webapps/manager/WEB-INF/jsp/sessionsList.jsp  
inflating: apache-tomcat-9.0.65/webapps/manager/WEB-INF/web.xml  
inflating: apache-tomcat-9.0.65/webapps/manager/css/manager.css  
inflating: apache-tomcat-9.0.65/webapps/manager/images/asf-logo.svg  
inflating: apache-tomcat-9.0.65/webapps/manager/images/tomcat.svg  
inflating: apache-tomcat-9.0.65/webapps/manager/index.jsp  
inflating: apache-tomcat-9.0.65/webapps/manager/status.xsd  
inflating: apache-tomcat-9.0.65/webapps/manager/xform.xsl
```

```
[root@ip-172-31-38-181 apache-tom-cat]#  
[root@ip-172-31-38-181 apache-tom-cat]# chmod -R 777 apache-tomcat-9.0.65  
[root@ip-172-31-38-181 apache-tom-cat]#  
[root@ip-172-31-38-181 apache-tom-cat]# cd apache-tomcat-9.0.65/webapps/  
[root@ip-172-31-38-181 webapps]# ls -l  
total 4
```

```
drwxrwxrwx 7 root root 81 Jul 14 16:28  
drwxrwxrwx 9 root root 220 Jul 14 16:28  
drwxrwxrwx 15 root root 4096 Jul 14 16:28 docs  
drwxrwxrwx 7 root root 99 Jul 14 16:28 examples  
drwxrwxrwx 6 root root 79 Jul 14 16:28 host-manager  
drwxrwxrwx 6 root root 114 Jul 14 16:28 manager  
drwxrwxrwx 3 root root 223 Jul 14 16:28 ROOT
```

**AFTER UNZIP, PROVIDE THE PERMISSION FOR YOUR APACHE TOM CAT SERVER**

**THERE IS NO .WAR FILES AS OF NOW.**

**NOW WE WILL INSTALL JENKINS WAR FILE OVER HERE**

**NOTE: CHECK OUT THE MAVEN SELF NOTES FOR MORE INFO ABOUT MAVEN DIR AND HOW TO BUILD FROM .POM FILE AND HOST IT ON WEB SERVER USING MAVEN. MORE INFO AVAILABLE ON MAVEN.PDF**

i-02eed390ec742c9a3

PublicIPs: 13.127.116.176 PrivateIPs: 172.31.38.181

# Jenkins download and deployment

The Jenkins project produces two release lines: Stable (LTS) and regular (Weekly). Depending on your organization's needs, one may be preferred over the other. See the links below for more information and recommendations about the release lines.

## Stable (LTS)

Long-term Support (LTS) release baselines are chosen every 12 weeks from the stream of regular releases. Every 4 weeks we release stable updates to fix bugs, security fixes, and backports. Learn more...

OPEN WEB-BROWSER AND TYPE DOWNLOAD JENKINS

OR VISIT

<https://www.jenkins.io/download/>

## Downloading Jenkins

Jenkins is distributed as WAR files, native packages, installers, and Docker images. Follow these installation steps:

1. Before downloading, please take a moment to review the [Hardware and Software requirements](#) section of the User Handbook.
2. Select one of the packages below and follow the download instructions.
3. Once a Jenkins package has been downloaded, proceed to the [Installing Jenkins](#) section of the User Handbook.
4. You may also want to verify the package you downloaded. Learn more about verifying Jenkins downloads.

### Download Jenkins 2.346.3 LTS for:

Generic Java package (.war)

SHA-256: 141e0c5890a31a5cf37a970ce3e15273c1c74d8759e4a5873bb5511c50b47d89



RIGHT CLICK AND COPY THE LINK ADD

## Regular releases (Weekly)

This release line delivers bug fixes and new features rapidly to users and plugin developers who need them. It is generally delivered on a weekly cadence. Learn more...

[Changelog](#) | [Past Releases](#)

### Download Jenkins 2.365 for:

Generic Java package (.war)

SHA-256: c7f48fa92f7ae26f50d37be13d81a018643b961ba99bc1ac88663723b657ab191

Docker

Ubuntu/Debian

SELECT EITHER LTS OR WEEKLY:

WE WILL SELECT LTS FOR NOW

CentOS/Fedora/Red Hat

Windows

openSUSE

FreeBSD

CentOS/Fedora/Red Hat

Windows

openSUSE

Arch Linux

```
drwxrwxrwx 9 root root 220 Jul 14 16:28 .
drwxrwxrwx 15 root root 4096 Jul 14 16:28 doc
drwxrwxrwx 7 root root 99 Jul 14 16:28 examples
drwxrwxrwx 6 root root 79 Jul 14 16:28 host-mapped
drwxrwxrwx 6 root root 114 Jul 14 16:28 managed
drwxrwxrwx 3 root root 223 Jul 14 16:28 root
[root@ip-172-31-38-181 webapps]# wget https://get.jenkins.io/war-stable/2.346.3/jenkins.war
--2022-08-27 08:46:25-- https://get.jenkins.io/war-stable/2.346.3/jenkins.war
Resolving get.jenkins.io (get.jenkins.io) ... 52.167.253.43
Connecting to get.jenkins.io (get.jenkins.io)|52.167.253.43|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://mirrors.tuna.tsinghua.edu.cn/jenkins/war-stable/2.346.3/jenkins.war [following]
--2022-08-27 08:46:26-- https://mirrors.tuna.tsinghua.edu.cn/jenkins/war-stable/2.346.3/jenkins.war
Resolving mirrors.tuna.tsinghua.edu.cn (mirrors.tuna.tsinghua.edu.cn) ... 101.6.15.130, 2402:f000:1:400::2
Connecting to mirrors.tuna.tsinghua.edu.cn (mirrors.tuna.tsinghua.edu.cn)|101.6.15.130|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 91196986 (27M) [application/java-archive]
Saving to: 'jenkins.war'

100%[=====] 91,196,986 3.19MB/s in 38s
```

```
2022-08-27 08:47:05 (2.29 MB/s) - 'jenkins.war' saved [91196986/91196986]
```

```
[root@ip-172-31-38-181 webapps]# ls -la
total 89064
drwxrwxrwx 7 root root 100 Aug 27 08:46 .
drwxrwxrwx 9 root root 220 Jul 14 16:28 doc
drwxrwxrwx 15 root root 4096 Jul 14 16:28 examples
drwxrwxrwx 6 root root 79 Jul 14 16:28 host-mapped
drwxrwxrwx 6 root root 114 Jul 14 16:28 managed
drwxrwxrwx 3 root root 223 Jul 14 16:28 root
-rw-r--r-- 1 root root 91196986 Aug 10 09:32 jenkins.war
drwxrwxrwx 6 root root 114 Jul 14 16:28 root
drwxrwxrwx 3 root root 223 Jul 14 16:28 root
[root@ip-172-31-38-181 webapps]#
```

NOW WGET AND PASTE THE LINK WHICH WE COPIED FROM JENKINS DOWNLOAD SECTION.

NOW YOU HAVE .WAR FILE FOR JENKINS AND NOW ARE WE ARE READY TO HOST THE APPLICATION WEB SERVER FOR JENKINS

i-02eed390ec742c9a3

PublicIPs: 13.127.116.176 PrivateIPs: 172.31.38.181

```
-rwxrwxrwx 1 root root 25294 Jul 14 16:28 catalina.sh  
-rwxrwxrwx 1 root root 1703 Jul 14 16:28 catalina-tasks.xml  
-rwxrwxrwx 1 root root 2123 Jul 14 16:28 ciphers.bat  
-rwxrwxrwx 1 root root 1997 Jul 14 16:28 ciphers.sh  
-rwxrwxrwx 1 root root 25410 Jul 14 16:28 commons-daemon.jar  
-rwxrwxrwx 1 root root 211777 Jul 14 16:28 commons-daemon-native.tar.gz  
-rwxrwxrwx 1 root root 2040 Jul 14 16:28 configtest.bat  
-rwxrwxrwx 1 root root 1922 Jul 14 16:28 configtest.sh  
-rwxrwxrwx 1 root root 9100 Jul 14 16:28 daemon.sh  
-rwxrwxrwx 1 root root 2091 Jul 14 16:28 digest.bat  
-rwxrwxrwx 1 root root 1965 Jul 14 16:28 digest.sh  
-rwxrwxrwx 1 root root 3606 Jul 14 16:28 makebase.bat  
-rwxrwxrwx 1 root root 3382 Jul 14 16:28 makebase.sh  
-rwxrwxrwx 1 root root 3460 Jul 14 16:28 setclasspath.bat  
-rwxrwxrwx 1 root root 3708 Jul 14 16:28 setclasspath.sh  
-rwxrwxrwx 1 root root 2020 Jul 14 16:28 shutdown.bat  
-rwxrwxrwx 1 root root 1902 Jul 14 16:28 shutdown.sh  
-rwxrwxrwx 1 root root 2022 Jul 14 16:28 startup.bat  
-rwxrwxrwx 1 root root 1904 Jul 14 16:28 startup.sh  
-rwxrwxrwx 1 root root 47050 Jul 14 16:28 tomcat-juli.jar  
-rwxrwxrwx 1 root root 436593 Jul 14 16:28 tomcat-native.tar.gz  
-rwxrwxrwx 1 root root 4574 Jul 14 16:28 tool-wrapper.bat  
-rwxrwxrwx 1 root root 5540 Jul 14 16:28 tool-wrapper.sh  
-rwxrwxrwx 1 root root 2026 Jul 14 16:28 version.bat  
-rwxrwxrwx 1 root root 1900 Jul 11 16:28 version.sh  
[root@ip-172-31-38-181 bin]# ./startup.sh  
Using CATALINA_BASE: /root/apache-tomcat/apache-tomcat-9.0.65  
Using CATALINA_HOME: /root/apache-tom-cat/apache-tomcat-9.0.65  
Using CATALINA_TMPDIR: /root/apache-tom-cat/apache-tomcat-9.0.65/temp  
Using JRE_HOME: /usr  
Using CLASSPATH: /root/apache-tom-cat/apache-tomcat-9.0.65/bin/bootstrap.jar:/root/apache-tom-cat/apache-tomcat-9.0.65/bin/tomcat-juli.jar  
Using CATALINA_OPTS:  
Tomcat started.  
[root@ip-172-31-38-181 bin]#
```

NOW TO START THE TOM CAT GO TO BIN DIR AND RUN ./STARTUP.SH

YOU CAN GO TO LOG DIR AND CAN TAIL THE CATALINA.OUT FOR INFO

NOTE: CHECK MAVEN.PDF FOR MORE INFO

i-0eed390ec742c9a3

PublicIPs: 13.127.116.176 PrivateIPs: 172.31.38.181

AWS Services Search for services, features, blogs, docs, and more [Alt+S] Mumbai ashray\_aws

VPC EC2 EFS IAM Simple Notification Service CloudWatch S3 CloudFront CloudTrail

New EC2 Experience Tell us what you think X

EC2 Dashboard EC2 Global View Events Tags Limits

Instances Instances New Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances New Dedicated Hosts Capacity Reservations

Images AMIs New AMI Catalog

Elastic Block Store Volumes New Snapshots New

Auto-assigned IP address 13.126.124.176 [Public IP] VPC ID vpc-083bf542da929b834 Subnet ID subnet-0d90ce0bb3f4f7659 AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more Auto Scaling Group name -

Details Security Networking Storage Status checks Monitoring Tags

Security details

IAM Role Owner ID 058159084676 Launch time Sat Aug 27 2022 12:05:09 GMT+0530 (India Standard Time)

Security groups sg-0a5ff7fe0b0ce006a (launch-wizard-1)

Inbound rules

Filter rules

Security group rule ID	Port range	Protocol	Source	Security groups
sqr-0fdc14638d8aadbf9f	80	TCP	0.0.0.0/0	launch-wizard-1
sgr-0eb8ab8f4106106dc	1 - 65000	TCP	0.0.0.0/0	launch-wizard-1
sgr-0860374a10fe4727f	22	TCP	0.0.0.0/0	launch-wizard-1
sgr-08bfe7b45ea5ad1fb	443	TCP	0.0.0.0/0	launch-wizard-1

Outbound rules

Filter rules

MAKE SURE YOU HAVE THE REQ PORT OPEN FOR JENKINS.  
LIKE APACHE TOMCAT SERVER JENKINS ALSO WORK ON PORT 8080

Feedback Looking for language selection? Find it in the new Unified Settings

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## 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

**TO UNLOCK JENKINS BROWSE TO SAID LOCATION  
AND ENTER THE PASS HERE**



**OPEN WEB BROWSER AND TYPE YOUR INSTANCE  
PUBLIC IP AND PORT NUMBER.**

**EXAMPLE:**

~~13.126.124.176:8080~~

13.126.124.176:8080/jenkins

Continue

AWS Services Search for services, features, blogs, docs, and more [Alt+S] Mumbai ashray\_aws

VPC EC2 EFS IAM Simple Notification Service CloudWatch S3 CloudFront CloudTrail

```
[root@ip-172-31-38-208 yum.repos.d]# systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
  Loaded: loaded (/usr/lib/systemd/system/jenkins.service; disabled; vendor preset: disabled)
  Active: inactive (dead)

[root@ip-172-31-38-208 yum.repos.d]# systemctl start jenkins
[root@ip-172-31-38-208 yum.repos.d]#
[root@ip-172-31-38-208 yum.repos.d]# systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
  Loaded: loaded (/usr/lib/systemd/system/jenkins.service; disabled; vendor preset: disabled)
  Active: active (running) since Sat 2022-08-27 07:43:16 UTC; 8s ago
    Main PID: 25443 (java)
   CGroup: /system.slice/jenkins.service
           └─25443 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=%C/jenkins/war --httpPort=8080

Aug 27 07:42:46 ip-172-31-38-208.ap-south-1.compute.internal jenkins[25443]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
Aug 27 07:42:46 ip-172-31-38-208.ap-south-1.compute.internal jenkins[25443]: ****
Aug 27 07:42:46 ip-172-31-38-208.ap-south-1.compute.internal jenkins[25443]: ****
Aug 27 07:42:46 ip-172-31-38-208.ap-south-1.compute.internal jenkins[25443]: ****
Aug 27 07:42:46 ip-172-31-38-208.ap-south-1.compute.internal jenkins[25443]: 2022-08-27 07:43:15.998+0000 [id=30]      INFO      jenkins.InitReactorRunner$1#onAttained: Completed initialization
Aug 27 07:43:16 ip-172-31-38-208.ap-south-1.compute.internal jenkins[25443]: 2022-08-27 07:43:16.019+0000 [id=22]      INFO      hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and running
Aug 27 07:43:16 ip-172-31-38-208.ap-south-1.compute.internal systemd[1]: Started Jenkins Continuous Integration Server.
Aug 27 07:43:16 ip-172-31-38-208.ap-south-1.compute.internal jenkins[25443]: 2022-08-27 07:43:16.278+0000 [id=44]      INFO      h.m.DownloadService$Downloadable#load: Obtained the updated data...enInstaller
Aug 27 07:43:16 ip-172-31-38-208.ap-south-1.compute.internal jenkins[25443]: 2022-08-27 07:43:16.279+0000 [id=44]      INFO      hudson.util.Retrier#start: Performed the action check updates se... attempt #1
Aug 27 07:43:16 ip-172-31-38-208.ap-south-1.compute.internal jenkins[25443]: 2022-08-27 07:43:16.282+0000 [id=44]      INFO      hudson.model.AsyncPeriodicWork$lambda$doRun$1: Finished Download... 31,163 ms
Hint: Some lines were ellipsized, use -l to show in full.

[root@ip-172-31-38-208 yum.repos.d]#
[root@ip-172-31-38-208 yum.repos.d]# cat /var/lib/jenkins/secrets/initialAdminPassword
2b57ad89e4b425ab1df9c83d951272d
[root@ip-172-31-38-208 yum.repos.d]# ]
```

COPY THE DESIRED KEY AND PASTE IN OVER  
THE JENKINS WEBPAGE

i-0ef2c57af228ea800 (1)

PublicIPs: 13.126.124.176 PrivateIPs: 172.31.38.208

# 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.

**SELECT SUGGESTED PLUGIN.**

**YOU CAN CUSTOMIZE AND SELECT THE REQUIRE PLUGIN YOURSELF**

# Getting Started

✓ Folders	✓ OWASP Markup Formatter	✓ Build Timeout	✓ Credentials Binding
⌚ Timestamper	⌚ Workspace Cleanup	⌚ Ant	⌚ Gradle
⌚ Pipeline	⌚ GitHub Branch Source	⌚ Pipeline: GitHub Groovy Libraries	⌚ Pipeline: Stage View
⌚ Git	⌚ SSH Build Agents	⌚ Matrix Authorization Strategy	⌚ PAM Authentication
⌚ LDAP	⌚ Email Extension	⌚ Mailer	

```
** JavaBeans Activation Framework (JAF) API
** JavaMail API
Folders
** Mina SSHD API :: Common
** Mina SSHD API :: Core
** SSH server
OWASP Markup Formatter
** Struts
** Token Macro
Build Timeout
** Credentials
** Trilead API
** SSH Credentials
** Pipeline: Step API
** Plain Credentials
Credentials Binding
** SCM API
```

IT WILL DOWNLOAD  
THE REQ PLUGINS

## Create First Admin User

AFTER THE PLUGINS ARE INSTALLED  
YOU WILL SEE THIS PAGE

Username:

Password:

Confirm password:

Full name:

E-mail address:

CREATE ADMIN ACC AND CLICK SAVE AND CONTINUE OR YOU CAN SKIP IT AND LATER

WE CAN SKIP IT AND CONTINUE AS ADMIN

# Instance Configuration

Jenkins URL:

http://13.126.124.176:8080/

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the `BUILD_URL` environment variable provided to build steps.

The proposed default value shown is **not saved yet** and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

**NOTE THE URL FOR FUTURE USE**

# Jenkins is ready!

Your Jenkins setup is complete.

[Start using Jenkins](#)

## NOW YOU ARE ALL SET TO USE JENKINS.

**CLICK START USING JENKINS**



Dashboard &gt;

+ New Item

Add description

People

Build History

Manage Jenkins

My Views

New View

## Build Queue



No builds in the queue.

## Build Executor Status



1 Idle

2 Idle

**DONE!****YOU ARE READY TO ROLL AND CREATE JOB.**

## 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](#)