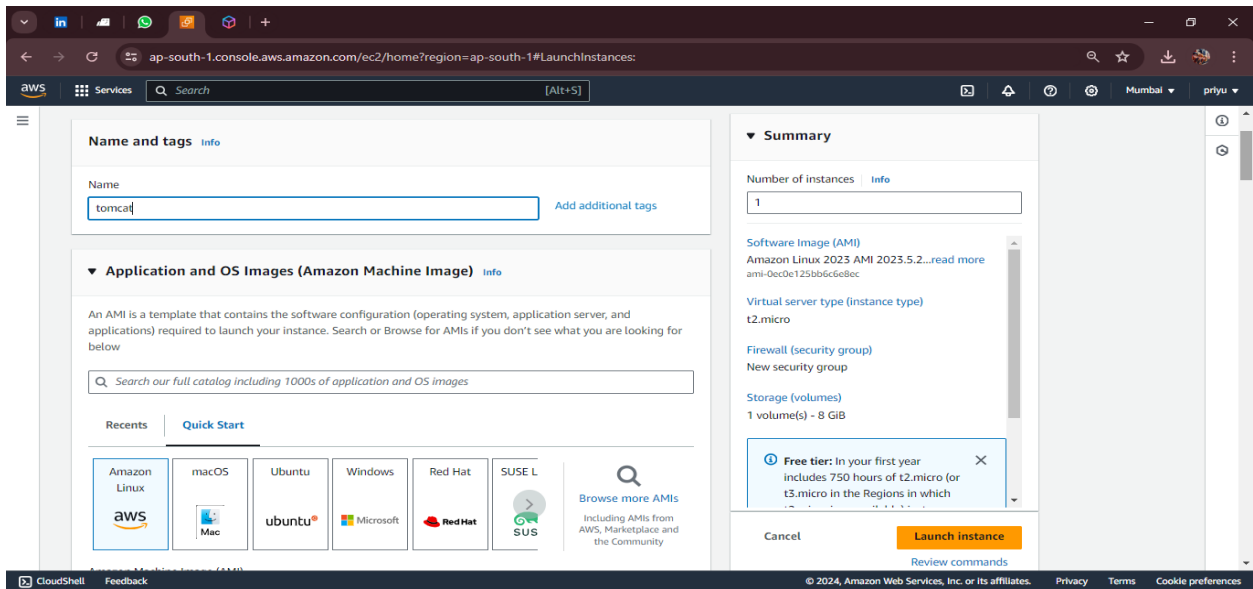


## LAUNCHING EC2 USING TOMCAT



TYPE THE FOLLOWING COMMENTS

```
C:\Users\Sys\Downloads>ssh -i "priyu.pem" ec2-user@ec2-13-201-69-54.ap-south-1.compute.amazonaws.com
The authenticity of host 'ec2-13-201-69-54.ap-south-1.compute.amazonaws.com (13.201.69.54)' can't be established.
ECDSA key fingerprint is SHA256:f/pI8QbzHA8Y3qHkN9AvqZNOZmr8YU0aO2yheZSI2KX0.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-13-201-69-54.ap-south-1.compute.amazonaws.com,13.201.69.54' (ECDSA) to the list of known hosts.
```

[illegible]

```

root@ip-172-31-34-241:~
[root@ip-172-31-34-241 ~]# yum install -y java-11-amazon-corretto
Last metadata expiration check: 0:09:50 ago on Mon Jul 22 10:26:10 2024.
Dependencies resolved.
=====
Package                                Architecture Version                                Repository                                Size
=====
Installing:
java-11-amazon-corretto                x86_64    1:11.0.23+9-1.amzn2023                amazonlinux                               198 k
Installing dependencies:
alsa-lib                                x86_64    1.2.7.2-1.amzn2023.0.1                amazonlinux                               504 k
cairo                                    x86_64    1.17.6-2.amzn2023.0.2                  amazonlinux                               684 k
dejavu-sans-fonts                       noarch    2.37-16.amzn2023.0.2                   amazonlinux                               1.3 M
dejavu-sans-mono-fonts                  noarch    2.37-16.amzn2023.0.2                   amazonlinux                               467 k
dejavu-serif-fonts                      noarch    2.37-16.amzn2023.0.2                   amazonlinux                               1.0 M
fontconfig                              x86_64    2.13.94-2.amzn2023.0.2                 amazonlinux                               273 k
fonts-filesystem                        noarch    1:2.0.5-12.amzn2023.0.2                amazonlinux                               9.5 k
freetype                                x86_64    2.13.0-2.amzn2023.0.1                  amazonlinux                               422 k
gliblib                                 x86_64    5.2.1-9.amzn2023.0.1                   amazonlinux                               49 k
google-noto-fonts-common                noarch    20201206-2.amzn2023.0.2                amazonlinux                               15 k
google-noto-sans-vf-fonts               noarch    20201206-2.amzn2023.0.2                amazonlinux                               492 k
graphite2                                x86_64    1.3.14-7.amzn2023.0.2                  amazonlinux                               97 k
harfbuzz                                x86_64    7.0.0-2.amzn2023.0.1                   amazonlinux                               868 k
java-11-amazon-corretto-headless        x86_64    1:11.0.23+9-1.amzn2023                amazonlinux                               91 M
javapackages-filesystem                 noarch    6.0.0-7.amzn2023.0.6                   amazonlinux                               12 k
langpacks-core-font-en                  noarch    3.0-21.amzn2023.0.4                    amazonlinux                               10 k
libICE                                    x86_64    1.0.10-6.amzn2023.0.2                  amazonlinux                               71 k
libSM                                    x86_64    1.2.3-8.amzn2023.0.2                   amazonlinux                               42 k
libX11                                   x86_64    1.7.2-3.amzn2023.0.4                   amazonlinux                               657 k
libX11-common                           noarch    1.7.2-3.amzn2023.0.4                   amazonlinux                               152 k
libXau                                    x86_64    1.0.9-5.amzn2023.0.2                   amazonlinux                               31 k
=====

```

```

root@ip-172-31-13-214:~
[root@ip-172-31-13-214 ~]# wget https://downloads.apache.org/tomcat/tomcat-9/v9.0.73/bin/apache-tomcat-9.0.73.tar.gz
--2024-07-23 14:39:17-- https://downloads.apache.org/tomcat/tomcat-9/v9.0.73/bin/apache-tomcat-9.0.73.tar.gz
Resolving downloads.apache.org (downloads.apache.org)... 88.99.208.237, 135.181.214.104, 2a01:4f9:3a:2c57::2, ...
Connecting to downloads.apache.org (downloads.apache.org)|88.99.208.237|:443... connected.
HTTP request sent, awaiting response... 404 Not Found
2024-07-23 14:39:17 ERROR 404: Not Found.

[root@ip-172-31-13-214 ~]# wget https://archive.apache.org/dist/tomcat/tomcat-9/v9.0.73/bin/apache-tomcat-9.0.73.tar.gz
--2024-07-23 14:40:06-- https://archive.apache.org/dist/tomcat/tomcat-9/v9.0.73/bin/apache-tomcat-9.0.73.tar.gz
Resolving archive.apache.org (archive.apache.org)... 65.108.204.189, 2a01:4f9:1a:a084::2
Connecting to archive.apache.org (archive.apache.org)|65.108.204.189|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 11625808 (11M) [application/x-gzip]
Saving to: 'apache-tomcat-9.0.73.tar.gz'

apache-tomcat-9.0.73.tar.gz  100%[=====] 11.09M  4.92MB/s  in 2.3s

2024-07-23 14:40:09 (4.92 MB/s) - 'apache-tomcat-9.0.73.tar.gz' saved [11625808/11625808]

[root@ip-172-31-13-214 ~]# tar xvf apache-tomcat-9.0.73.tar.gz
apache-tomcat-9.0.73/conf/
apache-tomcat-9.0.73/conf/catalina.policy
apache-tomcat-9.0.73/conf/catalina.properties
apache-tomcat-9.0.73/conf/context.xml
apache-tomcat-9.0.73/conf/jaspic-providers.xml
apache-tomcat-9.0.73/conf/jaspic-providers.xsd
apache-tomcat-9.0.73/conf/logging.properties
apache-tomcat-9.0.73/conf/server.xml
apache-tomcat-9.0.73/conf/tomcat-users.xml
apache-tomcat-9.0.73/conf/tomcat-users.xsd

```

```

root@ip-172-31-13-214:~
[root@ip-172-31-13-214 ~]# sudo tee /etc/systemd/system/tomcat.service > /dev/null <<EOL
> [Unit]
> Description=Apache Tomcat Web Application Container
> After=network.target
>
> [Service]
> Type=forking
>
> Environment=JAVA_HOME=/usr/lib/jvm/java-17-amazon-corretto
> Environment=CATALINA_PID=/opt/tomcat/temp/tomcat.pid
> Environment=CATALINA_HOME=/opt/tomcat
> Environment=CATALINA_BASE=/opt/tomcat
> Environment='CATALINA_OPTS=-Xms512M -Xmx1024M -server -XX:+UseParallelGC'
> Environment='JAVA_OPTS=-Djava.awt.headless=true -Djava.security.egd=file:/dev/./urandom'
>
> ExecStart=/opt/tomcat/bin/startup.sh
> ExecStop=/opt/tomcat/bin/shutdown.sh
>
> User=ec2-user
> Group=ec2-user
> UMask=0007
> RestartSec=10
> Restart=always
>
> [Install]
> WantedBy=multi-user.target
> EOL
[root@ip-172-31-13-214 ~]# cat /etc/systemd/system/tomcat.service
[Unit]
Description=Apache Tomcat Web Application Container

```

```

[root@ip-172-31-13-214 ~]# sudo systemctl daemon-reload
[root@ip-172-31-13-214 ~]# sudo systemctl restart tomcat
[root@ip-172-31-13-214 ~]# sudo systemctl enable tomcat
Created symlink /etc/systemd/system/multi-user.target.wants/tomcat.service → /etc/systemd/system/tomcat.service.
[root@ip-172-31-13-214 ~]# sudo systemctl status tomcat
● tomcat.service - Apache Tomcat Web Application Container
   Loaded: loaded (/etc/systemd/system/tomcat.service; enabled; preset: disabled)
   Active: active (running) since Tue 2024-07-23 14:54:14 UTC; 18s ago
     Main PID: 26584 (java)
       Tasks: 31 (limit: 1114)

```


Apache Tomcat/9.0.73

Not secure 13.201.131.67:8080


HomeDocumentationConfigurationExamplesWikiMailing Lists

Find Help

## Apache Tomcat/9.0.73



If you're seeing this, you've successfully installed Tomcat. Congratulations!



Recommended Reading:

[Security Considerations How-To](#)[Manager Application How-To](#)[Clustering/Session Replication How-To](#)

Server Status

Manager App

Host Manager

Developer Quick Start

[Tomcat Setup](#)[First Web Application](#)

[Realms & AAA](#)[JDBC DataSources](#)

[Examples](#)

[Servlet Specifications](#)[Tomcat Versions](#)

Managing Tomcat

For security, access to the `manager.webapp` is restricted. Users are defined in:

```
$CATALINA_HOME/conf/tomcat-users.xml
```

In Tomcat 9.0 access to the manager application is split between different users.  
[Read more...](#)

[Release Notes](#)[Changelog](#)

Documentation

[Tomcat 9.0 Documentation](#)[Tomcat 9.0 Configuration](#)[Tomcat Wiki](#)

Find additional important configuration information in:

```
$CATALINA_HOME/RUNNING.txt
```

Developers may be interested in:

[Tomcat 9.0 Bug Database](#)

Getting Help

[FAQ and Mailing Lists](#)

The following mailing lists are available:

[tomcat-announce](#)  
Important announcements, releases, security vulnerability notifications. (Low volume).

[tomcat-users](#)  
User support and discussion

[tomcat-dev](#)  
User support and discussion for Apache Tomcat

Apache Tomcat/9.0.73

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:v=3;\$case=tags:true%5C,client:false;\$regex=tags:false%5C,client:false

aws

Services

Search

[Alt+S]

Mumbai

priyu

EC2 Dashboard

EC2 Global View

Events

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Instances (1/1) Info

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance t...	Status check	Alarm status
<input checked="" type="checkbox"/>	tomcat	i-045587bbfcf1fcb76	Shutting-down	t2.micro	-	View alarms

i-045587bbfcf1fcb76 (tomcat)

DetailsStatus and alarmsMonitoringSecurityNetworkingStorageTags

Instance summary Info

Instance ID

i-045587bbfcf1fcb76 (tomcat)

Public IPv4 address

-

Private IPv4 addresses

-

IPv6 address

-

Instance state

Shutting-down

Public IPv4 DNS

-

Hostname type

-

Answer private resource DNS name

-

Instance type

t2.micro

Elastic IP addresses

-

CloudShell

Feedback


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Privacy

Terms

Cookie preferences

## Comments

 \*Untitled - Notepad  
File Edit Format View Help

```
# Update packages and install Java
sudo dnf update -y
sudo dnf install java-17-amazon-corretto -y

# Download Tomcat
wget https://archive.apache.org/dist/tomcat/tomcat-9/v9.0.73/bin/apache-tomcat-9.0.73.tar.gz

# Extract the downloaded Tomcat tar.gz file
tar xvf apache-tomcat-9.0.73.tar.gz

# Move the extracted Tomcat directory to /opt
sudo mv apache-tomcat-9.0.73 /opt/tomcat

# Set executable permissions for the Tomcat scripts
sudo chmod +x /opt/tomcat/bin/*.sh

# Create a systemd service file for Tomcat
sudo tee /etc/systemd/system/tomcat.service > /dev/null <<EOL
[Unit]
Description=Apache Tomcat Web Application Container
After=network.target

[Service]
Type=forking

Environment=JAVA_HOME=/usr/lib/jvm/java-17-amazon-corretto
Environment=CATALINA_PID=/opt/tomcat/temp/tomcat.pid
Environment=CATALINA_HOME=/opt/tomcat
Environment=CATALINA_BASE=/opt/tomcat
Environment='CATALINA_OPTS=-Xms512M -Xmx1024M -server -XX:+UseParallelGC'
Environment='JAVA_OPTS=-Djava.awt.headless=true -Djava.security.egd=file:/dev/./urandom'

ExecStart=/opt/tomcat/bin/startup.sh

ExecStop=/opt/tomcat/bin/shutdown.sh

User=ec2-user
Group=ec2-user
UMask=0007
RestartSec=10
Restart=always

[Install]
WantedBy=multi-user.target
EOL

# Reload the systemd daemon to recognize the new Tomcat service
sudo systemctl daemon-reload

# Start the Tomcat service
sudo systemctl start tomcat

# Enable Tomcat to start on boot
sudo systemctl enable tomcat

#Type ip address
http://13.201.131.67:8080/
```