

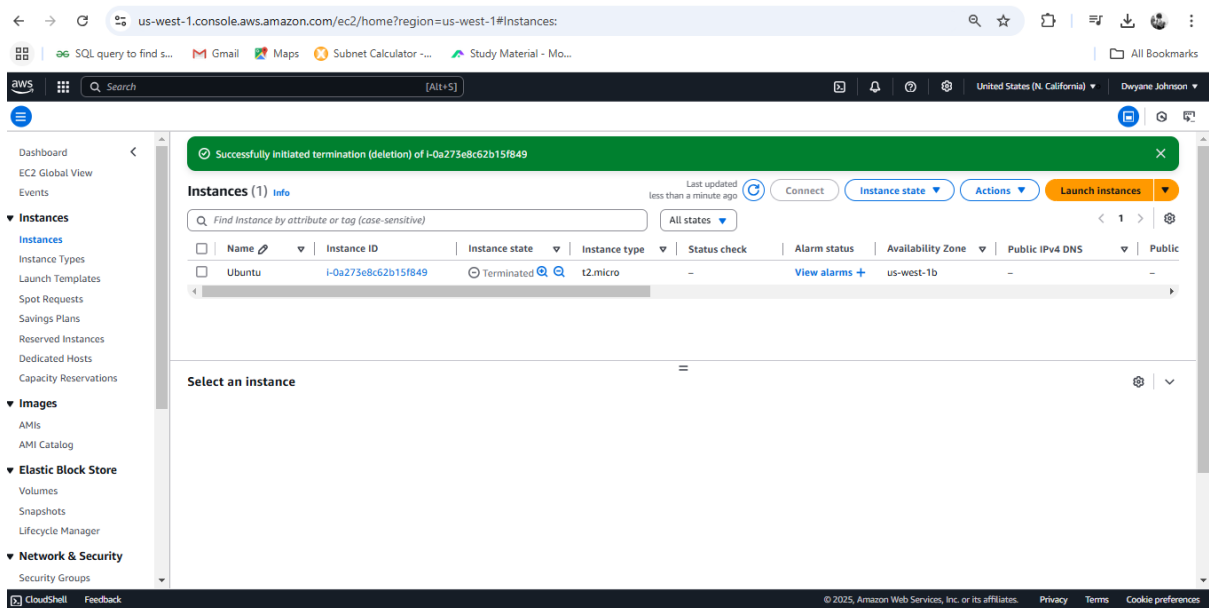
Submitted by: Mohammed Saquib

Date: 18/01/2025

Batch no: DevOps SA2412033

L5 - Install Tomcat web application server in AWS EC2 Ubuntu Instance and access Tomcat using a web browser

Step1: Creating an Ubuntu Instance



us-west-1.console.aws.amazon.com/ec2/home?region=us-west-1#LaunchInstances:

SQL query to find s... Gmail Maps Subnet Calculator -... Study Material - Mo... All Bookmarks

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EC2 > Instances > Launch an instance

Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Name

e.g. My Web Server

Add additional tags

Application and OS Images (Amazon Machine Image)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recents

Quick Start

Amazon Linux

ubuntu

Microsoft

Red Hat

SUSE Linux

Debian

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Summary

Number of instances 1

Software Image (AMI) Canonical, Ubuntu, 24.04, amd64...read more ami-07d2649d67db8e8900

Virtual server type (instance type) t2.micro

Firewall (security group) New security group

Storage (volumes) 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and

Cancel Launch instance Preview code

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EC2 > Instances > Launch an instance

Additional costs apply for AMIs with pre-installed software

Key pair (login)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

Ubuntu_California

Create new key pair

Network settings

Network vpc-00253d94073dc1147

Subnet No preference (Default subnet in any availability zone)

Auto-assign public IP Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) Create security group Select existing security group

We'll create a new security group called 'launch-wizard-1' with the following rules:

Summary

Number of instances 1

Software Image (AMI) Canonical, Ubuntu, 24.04, amd64...read more ami-07d2649d67db8e8900

Virtual server type (instance type) t2.micro

Firewall (security group) New security group

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Cancel Launch instance Preview code

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EC2 > Instances > Launch an instance

Network settings

Network | Info

vpc-00253d94073dc1147

Subnet | Info

No preference (Default subnet in any availability zone)

Auto-assign public IP | Info

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) | Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group ☐ Select existing security group

We'll create a new security group called 'launch-wizard-1' with the following rules:

☒ Allow SSH traffic from
Helps you connect to your instance

☐ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

☐ Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Summary

Number of instances | Info

1

Software image (AMI)

Canonical, Ubuntu, 24.04, amd64...read more
ami-07d2649d67d8e8900

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and

Cancel **Launch instance** Preview code

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EC2 > Instances > Launch an instance

Launching Instance
Creating security group rules

23%

Details

Please wait while we launch your instance.
Do not close your browser while this is loading.

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us-west-1.console.aws.amazon.com/ec2/home?region=us-west-1#LaunchInstances:

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EC2 > Instances > Launch an Instance

Success
Successfully initiated launch of instance (i-0ce62f7477bbd7f3b)

Launch log

Next Steps
What would you like to do next with this instance, for example "create alarm" or "create backup"

Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
[Create billing alerts](#)

Connect to your instance
Once your instance is running, log into it from your local computer.
[Connect to instance](#)
[Learn more](#)

Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
[Connect an RDS database](#)
[Create a new RDS database](#)
[Learn more](#)

Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots.
[Create EBS snapshot policy](#)

Manage detailed monitoring
Enable or disable detailed monitoring for the instance. If you enable detailed monitoring, the Amazon EC2
[Manage detailed monitoring](#)

Create Load Balancer
Create an application, network gateway or classic Elastic Load Balancer
[Create Load Balancer](#)

Create AWS budget
AWS Budgets allows you to create budgets, forecast spend, and take action on your costs and usage from a
[Create AWS budget](#)

Manage CloudWatch alarms
Create or update Amazon CloudWatch alarms for the instance.
[Manage CloudWatch alarms](#)

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us-west-1.console.aws.amazon.com/ec2/home?region=us-west-1#Instances:

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Dashboard
EC2 Global View
Events

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

Images
AMIs
AMI Catalog

Elastic Block Store
Volumes
Snapshots
Lifecycle Manager

Network & Security
Security Groups

Successfully initiated termination (deletion) of i-0a273e8c62b15f849

Instances (1/2) [Info](#)
Find instance by attribute or tag (case-sensitive) All states Last updated less than a minute ago [Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public
<input type="checkbox"/>	Ubuntu	i-0a273e8c62b15f849	Terminated	t2.micro	–	View alarms +	us-west-1b	–	–
<input checked="" type="checkbox"/>		i-0ce62f7477bbd7f3b	Running	t2.micro	Initializing	View alarms +	us-west-1b	ec2-3-101-148-58.us-w...	3.101.

i-0ce62f7477bbd7f3b

[Details](#) [Status and alarms](#) [Monitoring](#) [Security](#) [Networking](#) [Storage](#) [Tags](#)

Instance summary [Info](#)

Instance ID i-0ce62f7477bbd7f3b	Public IPv4 address 3.101.148.58 open address	Private IPv4 addresses 172.31.4.223
IPv6 address –	Instance state Running	Public IPv4 DNS ec2-3-101-148-58.us-west-1.compute.amazonaws.com open address

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Step2: Connecting Ubuntu Instance

us-west-1.console.aws.amazon.com/ec2/home?region=us-west-1#ConnectToInstance:instanceId=i-0ce62f7477bbd7f3b

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EC2 > Instances > i-0ce62f7477bbd7f3b > Connect to instance

Connect to instance Info

Connect to your instance i-0ce62f7477bbd7f3b using any of these options

EC2 Instance Connect

Session Manager

SSH client

EC2 serial console

Instance ID

i-0ce62f7477bbd7f3b

Connection Type

☒ Connect using EC2 Instance Connect

Connect using the EC2 Instance Connect browser-based client, with a public IPv4 or IPv6 address.

☐ Connect using EC2 Instance Connect Endpoint

Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IPv4 address

3.101.148.58

IPv6 address

-

Username

Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

Connect

us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-0ce62f7477bbd7f3b&osUs...

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```
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1021-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/pro

System information as of Sat Jan 18 07:25:17 UTC 2025

System load:  0.0          Processes:    106
Usage of /:   25.2% of 6.71GB  Users logged in:  0
Memory usage: 20%          IPv4 address for enX0: 172.31.4.223
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

Last login: Sat Jan 18 06:39:49 2025 from 49.37.249.120
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

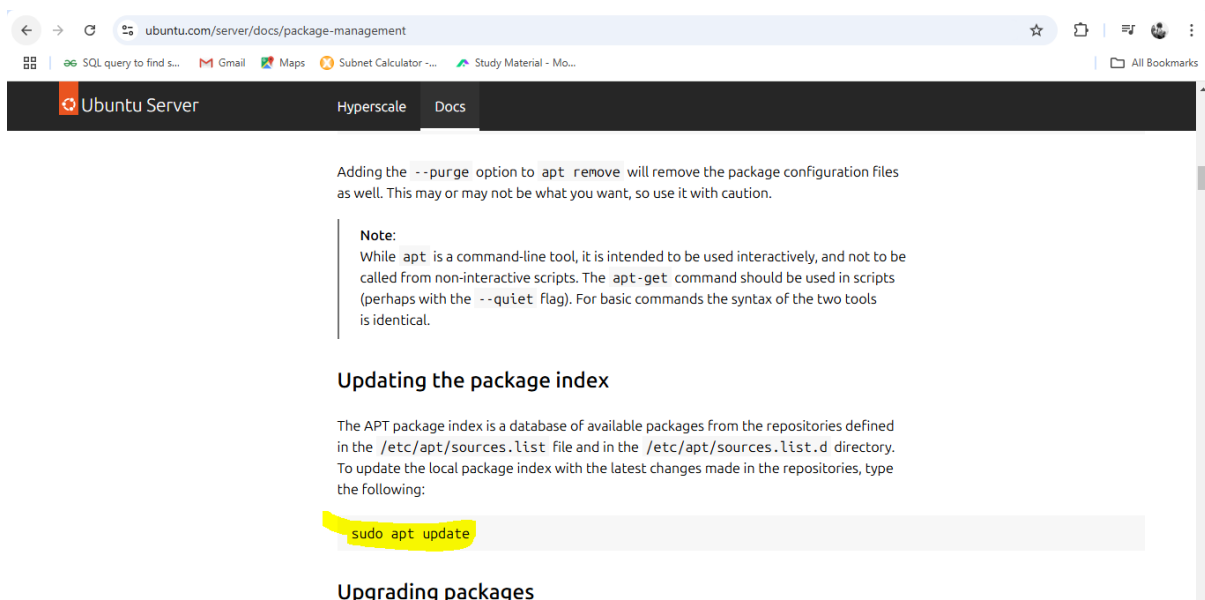
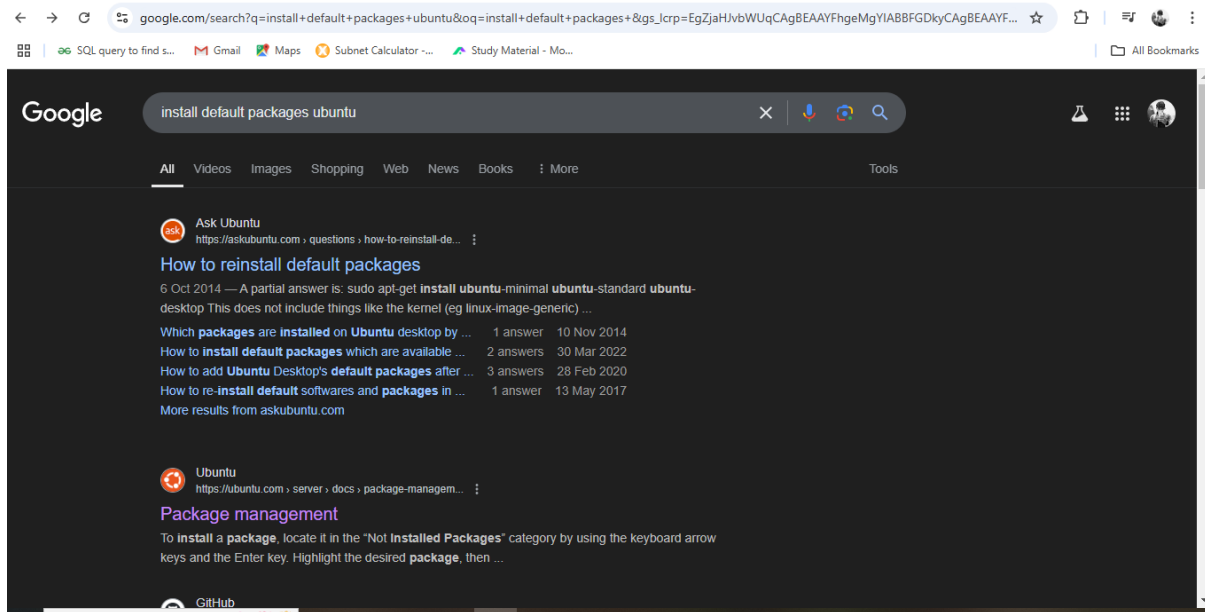
ubuntu@ip-172-31-4-223:~$
```

i-0ce62f7477bbd7f3b

PublicIPs: 3.101.148.58 PrivateIPs: 172.31.4.223

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Step3: Installing default packages on Ubuntu



```
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1021-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/pro

System information as of Sat Jan 18 07:25:17 UTC 2025

System load:  0.0          Processes:    106
Usage of /:   25.2% of 6.71GB  Users logged in:  0
Memory usage: 20%          IPv4 address for enX0: 172.31.4.223
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

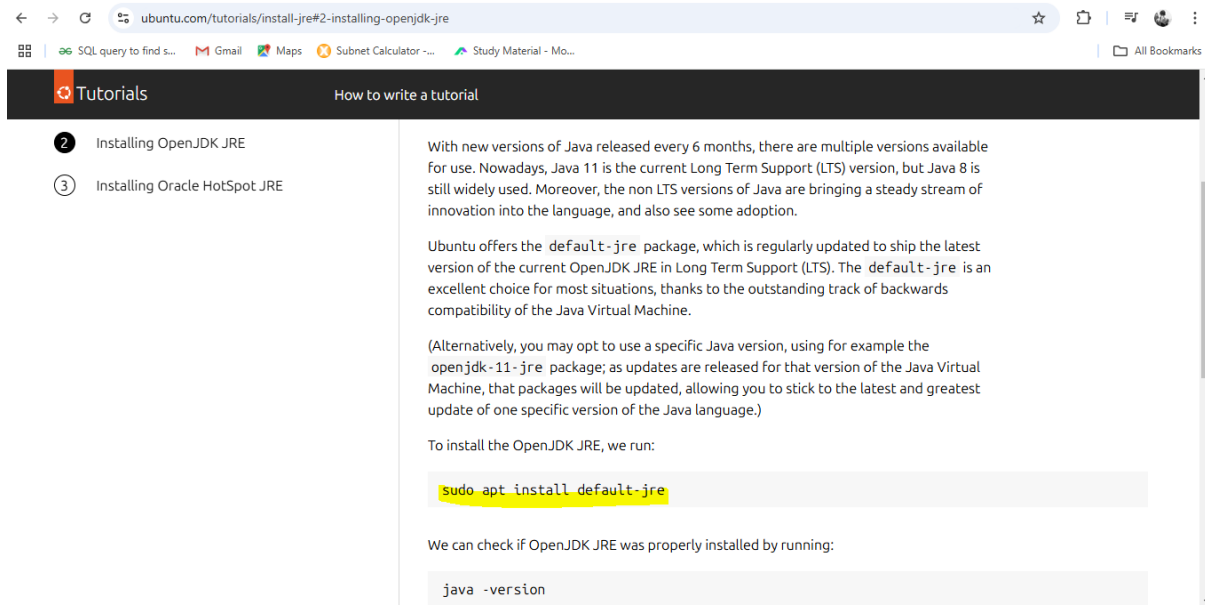
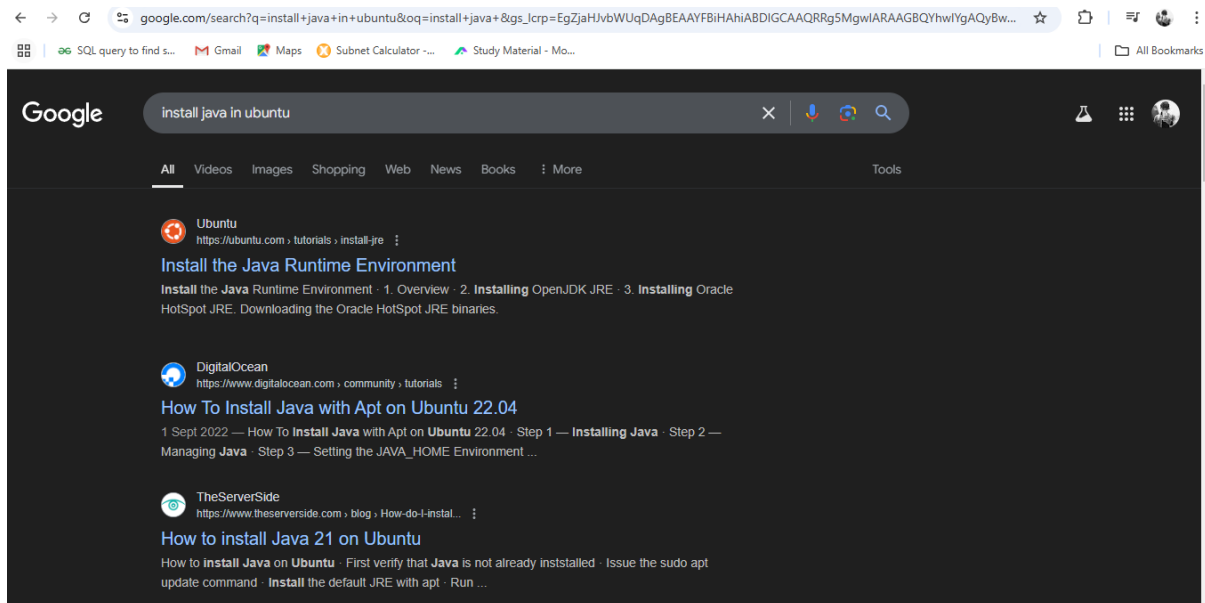
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sat Jan 18 06:39:49 2025 from 49.37.249.120
0 run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-4-223:~$ sudo apt update
```

```
Get:23 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [3844 B]
Get:24 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:25 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [552 B]
Get:26 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
Get:27 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]
Get:28 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [10.7 kB]
Get:29 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [10.8 kB]
Get:30 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [11.7 kB]
Get:31 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1104 B]
Get:32 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:33 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]
Get:34 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:35 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:36 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [114 kB]
Get:37 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [1236 B]
Get:38 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [800 kB]
Get:39 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [171 kB]
Get:40 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.0 kB]
Get:41 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [13.5 kB]
Get:42 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:43 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [12.4 kB]
Get:44 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [2940 B]
Get:45 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:46 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [356 B]
Fetched 30.5 MB in 6s (5399 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
1 package can be upgraded. Run 'apt list --upgradable' to see it.
ubuntu@ip-172-31-4-223:~$
```

Step4: Installing JRE on Ubuntu



us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-0ce62f7477bbd7f3b&osUs...

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```
et:23 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [3844 B]
et:24 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
et:25 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [552 B]
et:26 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
et:27 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]
et:28 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [10.7 kB]
et:29 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [10.8 kB]
et:30 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [11.7 kB]
et:31 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1104 B]
et:32 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
et:33 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]
et:34 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
et:35 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
et:36 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [114 kB]
et:37 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [7236 B]
et:38 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [800 kB]
et:39 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [171 kB]
et:40 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.0 kB]
et:41 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [13.5 kB]
et:42 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
et:43 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [12.4 kB]
et:44 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [2940 B]
et:45 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
et:46 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [356 B]
etched 30.5 MB in 6s (5399 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
package can be upgraded. Run 'apt list --upgradable' to see it.
buntu@ip-172-31-4-223:~$ sudo apt install default-jre
```

i-0ce62f7477bbd7f3b

PublicIPs: 3.101.148.58 PrivateIPs: 172.31.4.223

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us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-0ce62f7477bbd7f3b&osUs...

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```
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-21-jre:amd64 (21.0.5+11-Ubuntu124.04) ...
Setting up default-jre-headless (2:1.21-75+exp1) ...
Setting up default-jre (2:1.21-75+exp1) ...
Processing triggers for libc-bin (2.39-0ubuntu8.3) ...
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.

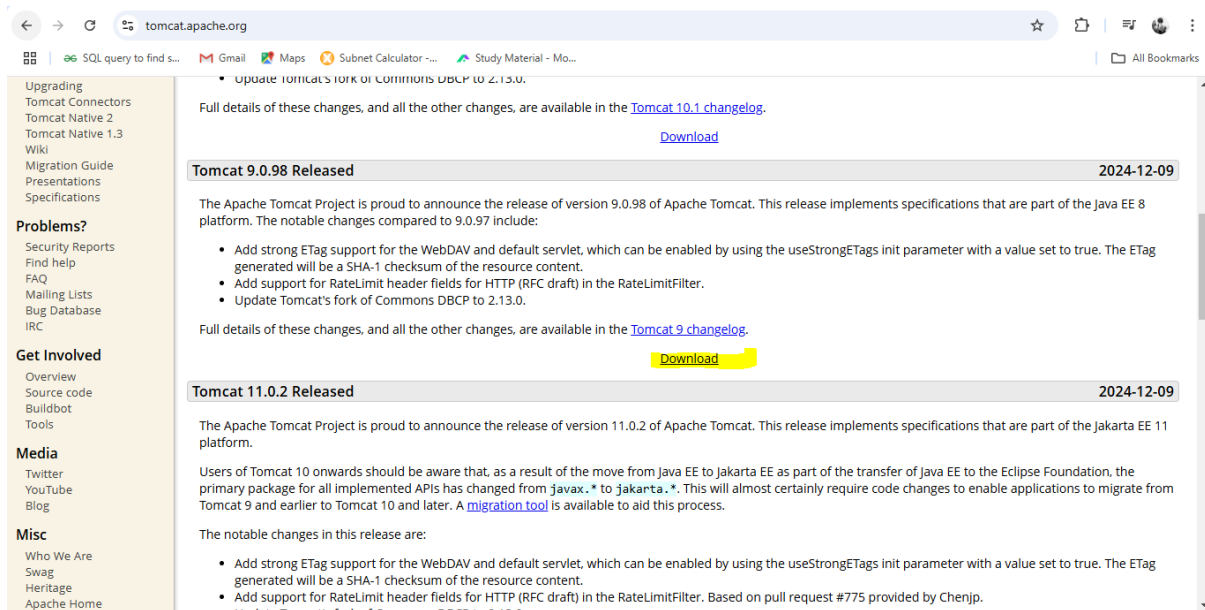
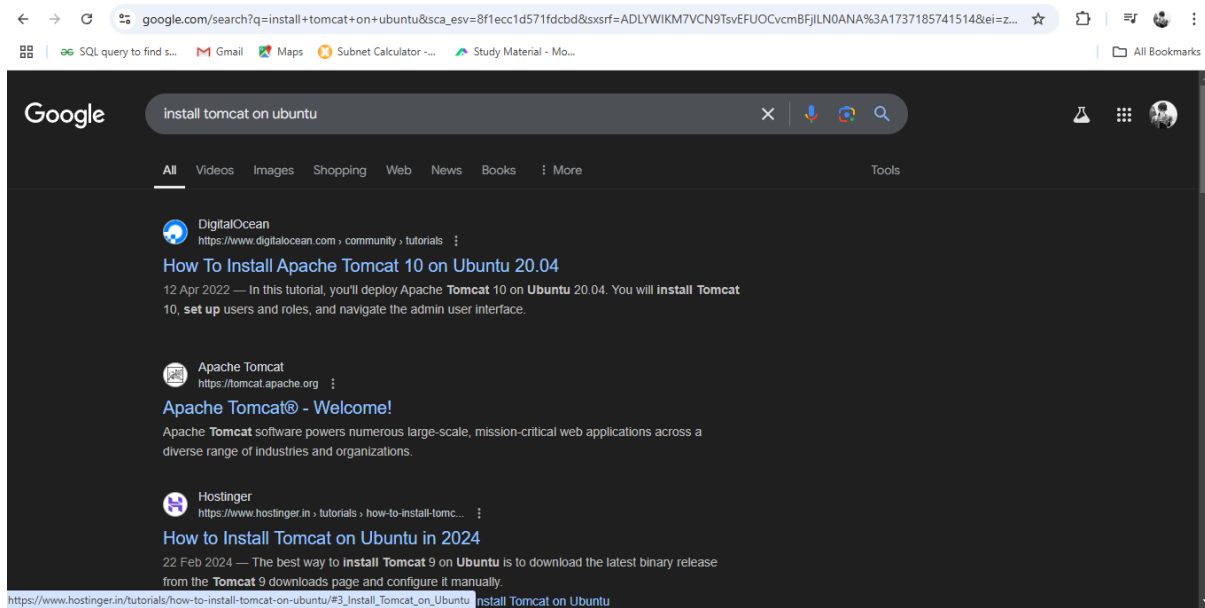
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-4-223:~$ java -version
openjdk version "21.0.5" 2024-10-15
OpenJDK Runtime Environment (build 21.0.5+11-Ubuntu124.04)
OpenJDK 64-Bit Server VM (build 21.0.5+11-Ubuntu124.04, mixed mode, sharing)
ubuntu@ip-172-31-4-223:~$
```

i-0ce62f7477bbd7f3b

PublicIPs: 3.101.148.58 PrivateIPs: 172.31.4.223

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Step 5: Installing Tomcat on Ubuntu



← → ↻ tomcat.apache.org/download-90.cgi ☆ 📄 📄 📄 📄

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Tomcat Migration Tool for Jakarta EE

Tomcat Connectors

Tomcat Native

Taglibs

Archives

Documentation

Tomcat 11.0

Tomcat 10.1

Tomcat 9.0

Upgrading

Tomcat Connectors

Tomcat Native 2

Tomcat Native 1.3

Wiki

Migration Guide

Presentations

Specifications

Problems?

Security Reports

Find help

FAQ

Mailing Lists

Bug Database

IRC

Get Involved

Overview

Source code

Buildbot

Tools

You are currently using <https://dldcn.apache.org/>. If you encounter a problem with this mirror, please select another mirror. If all mirrors are failing, there are *backup* mirrors (at the end of the mirrors list) that should be available.

Other mirrors:

9.0.98

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 \(pgp, sha512\)](#)

Source Code Distributions

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

← → ↻ us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-0ce62f7477bbd7f3b&osUs... 🔍 ☆ 📄 📄 📄 📄

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```
Adding debian:PKI_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-21-jre:amd64 (21.0.5+11-Ubuntu1-24.04) ...
Setting up default-jre-headless (2:1.21-75+exp1) ...
Setting up default-jre (2:1.21-75+exp1) ...
Processing triggers for libe-bin (2:3.9-Ubuntu8.3) ...
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-172-31-4-223:~$ java -version
openjdk version "21.0.5" 2024-10-15
OpenJDK Runtime Environment (build 21.0.5+11-Ubuntu1-ubuntu24.04)
OpenJDK 64-Bit Server VM (build 21.0.5+11-Ubuntu1-ubuntu24.04, mixed mode, sharing)
ubuntu@ip-172-31-4-223:~$ wget https://dldcn.apache.org/tomcat/tomcat-9/v9.0.98/bin/apache-tomcat-9.0.98.tar.gz
```

i-0ce62f7477bbd7f3b

PublicIPs: 3.101.148.58 PrivateIPs: 172.31.4.223

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```
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-172-31-4-223:~$ java -version
openjdk version "21.0.5" 2024-10-15
OpenJDK Runtime Environment (build 21.0.5+11-Ubuntu-lubuntul24.04)
OpenJDK 64-Bit Server VM (build 21.0.5+11-Ubuntu-lubuntul24.04, mixed mode, sharing)
ubuntu@ip-172-31-4-223:~$ wget https://d1cdn.apache.org/tomcat/tomcat-9/v9.0.98/bin/apache-tomcat-9.0.98.tar.gz
--2025-01-18 07:38:13-- https://d1cdn.apache.org/tomcat/tomcat-9/v9.0.98/bin/apache-tomcat-9.0.98.tar.gz
Resolving d1cdn.apache.org (d1cdn.apache.org)... 151.101.2.132, 2a01:4e42::644
Connecting to d1cdn.apache.org (d1cdn.apache.org)|151.101.2.132|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 12760610 (12M) [application/x-gzip]
Saving to: 'apache-tomcat-9.0.98.tar.gz'

apache-tomcat-9.0.98.tar.gz      100%[=====>] 12.17M  12.9MB/s   in 0.9s

2025-01-18 07:38:15 (12.9 MB/s) - 'apache-tomcat-9.0.98.tar.gz' saved [12760610/12760610]

ubuntu@ip-172-31-4-223:~$ ls
apache-tomcat-9.0.98.tar.gz
ubuntu@ip-172-31-4-223:~$
```

i-0ce62f7477bbd7f3b
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Step6: Extracting tar file

← → ↻ google.com/search?q=how+to+extract+tar+file+in+linux&oeq=how+to+extract+&gs_lcrp=EgZjaHJvWUqDQgBEAAYkQIYgAQYigUy8ggAEUyOTINCAEQABi... ☆

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Google how to extract tar file in linux

/ .tar.gz file under Linux using bash shell prompt.

Stack Overflow
https://stackoverflow.com/questions/how-to-extract-...

how to Extract tar Files? - linux

You are running `tar xzvf`, which extracts a compressed `tar`, but the filename given is `tar`, which is just a `tar` file, not compressed.

Extracting tar file isn't working 18 Jul 2012

How to extract filename: tar.gz file - linux 1 Apr 2013

How to extract a .tar.gz file on UNIX 14 Feb 2016

How to extract tar file in Mac terminal [closed] 4 Aug 2018

More results from stackoverflow.com

Ask Ubuntu
https://askubuntu.com/questions/what-command-do-...

What command do I need to unzip/extract a .tar.gz file?

8 Feb 2011 — The full form of this command—which may be easier to remember—is `tar -extract --file="community_images.tar.gz" --gzip --verbose`. The quotation ...

8 answers · Top answer: Type `man tar` for more information, but this command should do the trick: `tar -x` ...

How to extract a tar.gz file [duplicate] - Ask Ubuntu 3 answers 27 Feb 2013

What is the correct software to open a .tar file? - Ask ... 4 answers 8 Nov 2013

How to extract files to another directory using 'tar' ... 5 answers 26 May 2011

How to unzip .tgz file using the terminal? - Ask Ubuntu 3 answers 19 Jul 2014

← → ↻ stackoverflow.com/questions/48454111/how-to-extract-tar-files ☆

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TEAMS

Ask questions, find

how to Extract tar Files?

Asked 6 years, 11 months ago Modified 1 year, 9 months ago Viewed 16k times

So long, data silos Start free Google Cloud

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Robots building robots in a robotic factory

Featured on Meta

- Voting experiment to encourage people who rarely vote to upvote
- Upcoming Experiment for Commenting
- Results and next steps for the Question Assistant experiment in Staging Ground

Gen AI and ML all in

i want to extract tar file. but, terminal is error output.

i want to solve the error. could you help me?

this is terminal cmd

```
$ tar xzvf test.tar -C /dir/
```

this is error output

```
# gzip: invalid magic
# tar: Child returned status 1
# tar: Error exit delayed from previous errors
```

```
us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-0ce62f7477bbd7f3b&osUs...
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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-172-31-4-223:~$ java -version
openjdk version "21.0.5" 2024-10-15
OpenJDK Runtime Environment (build 21.0.5+11-Ubuntu-tubuntu124.04)
OpenJDK 64-Bit Server VM (build 21.0.5+11-Ubuntu-tubuntu124.04, mixed mode, sharing)
ubuntu@ip-172-31-4-223:~$ wget https://d1cdn.apache.org/tomcat/tomcat-9/v9.0.98/bin/apache-tomcat-9.0.98.tar.gz
--2025-01-18 07:38:13-- https://d1cdn.apache.org/tomcat/tomcat-9/v9.0.98/bin/apache-tomcat-9.0.98.tar.gz
Resolving d1cdn.apache.org (d1cdn.apache.org)... 151.101.2.132, 2a04:4e42::644
Connecting to d1cdn.apache.org (d1cdn.apache.org) [151.101.2.132]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 12760610 (12M) [application/x-gzip]
Saving to: 'apache-tomcat-9.0.98.tar.gz'

apache-tomcat-9.0.98.tar.gz 100%[=====] 12.17M 12.9MB/s in 0.9s

2025-01-18 07:38:15 (12.9 MB/s) - 'apache-tomcat-9.0.98.tar.gz' saved [12760610/12760610]

ubuntu@ip-172-31-4-223:~$ ls
apache-tomcat-9.0.98.tar.gz
ubuntu@ip-172-31-4-223:~$ tar xvfz apache-tomcat-9.0.98.tar.gz

i-0ce62f7477bbd7f3b
PublicIPs: 3.101.148.58 PrivateIPs: 172.31.4.223
```

```
us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-0ce62f7477bbd7f3b&osUs...
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apache-tomcat-9.0.98/webapps/manager/META-INF/context.xml
apache-tomcat-9.0.98/webapps/manager/WEB-INF/jsp/401.jsp
apache-tomcat-9.0.98/webapps/manager/WEB-INF/jsp/403.jsp
apache-tomcat-9.0.98/webapps/manager/WEB-INF/jsp/404.jsp
apache-tomcat-9.0.98/webapps/manager/WEB-INF/jsp/connectorCerts.jsp
apache-tomcat-9.0.98/webapps/manager/WEB-INF/jsp/connectorCiphers.jsp
apache-tomcat-9.0.98/webapps/manager/WEB-INF/jsp/connectorTrustedCerts.jsp
apache-tomcat-9.0.98/webapps/manager/WEB-INF/jsp/sessionDetail.jsp
apache-tomcat-9.0.98/webapps/manager/WEB-INF/jsp/sessionsList.jsp
apache-tomcat-9.0.98/webapps/manager/WEB-INF/web.xml
apache-tomcat-9.0.98/webapps/manager/css/manager.css
apache-tomcat-9.0.98/webapps/manager/images/asf-logo.svg
apache-tomcat-9.0.98/webapps/manager/images/tomcat.svg
apache-tomcat-9.0.98/webapps/manager/index.jsp
apache-tomcat-9.0.98/webapps/manager/status.xsd
apache-tomcat-9.0.98/webapps/manager/xform.xml
apache-tomcat-9.0.98/bin/catalina.sh
apache-tomcat-9.0.98/bin/ciphers.sh
apache-tomcat-9.0.98/bin/configtest.sh
apache-tomcat-9.0.98/bin/damon.sh
apache-tomcat-9.0.98/bin/digest.sh
apache-tomcat-9.0.98/bin/makebase.sh
apache-tomcat-9.0.98/bin/setclasspath.sh
apache-tomcat-9.0.98/bin/shutdown.sh
apache-tomcat-9.0.98/bin/startup.sh
apache-tomcat-9.0.98/bin/tool-wrapper.sh
apache-tomcat-9.0.98/bin/version.sh
ubuntu@ip-172-31-4-223:~$ ls
apache-tomcat-9.0.98 apache-tomcat-9.0.98.tar.gz
ubuntu@ip-172-31-4-223:~$ rm -rz apache-tomcat-9.0.98.tar.gz

i-0ce62f7477bbd7f3b
PublicIPs: 3.101.148.58 PrivateIPs: 172.31.4.223

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```

us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-0ce62f7477bbd7f3b&osUs...

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BWS

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Dayane Johnson

apache-tomcat-9.0.98/bin/catalina.sh
apache-tomcat-9.0.98/bin/ciphers.sh
apache-tomcat-9.0.98/bin/configtest.sh
apache-tomcat-9.0.98/bin/daemon.sh
apache-tomcat-9.0.98/bin/digest.sh
apache-tomcat-9.0.98/bin/makebase.sh
apache-tomcat-9.0.98/bin/setclasspath.sh
apache-tomcat-9.0.98/bin/shutdown.sh
apache-tomcat-9.0.98/bin/startup.sh
apache-tomcat-9.0.98/bin/tool-wrapper.sh
apache-tomcat-9.0.98/bin/version.sh
ubuntu@ip-172-31-4-223:~\$ ls
apache-tomcat-9.0.98 apache-tomcat-9.0.98.tar.gz
ubuntu@ip-172-31-4-223:~\$ rm -rf apache-tomcat-9.0.98.tar.gz
rm: invalid option -- 'f'
Try 'rm --help' for more information.
ubuntu@ip-172-31-4-223:~\$ rm -rf apache-tomcat-9.0.98.tar.gz
ubuntu@ip-172-31-4-223:~\$ ls
apache-tomcat-9.0.98
ubuntu@ip-172-31-4-223:~\$ cd apache-tomcat-9.0.98/
ubuntu@ip-172-31-4-223:~/apache-tomcat-9.0.98\$ cd..
cd... command not found
ubuntu@ip-172-31-4-223:~/apache-tomcat-9.0.98\$ ls
BUILDING.txt CONTRIBUTING.md LICENSE NOTICE README.md RELEASE-NOTES RUNNING.txt bin conf lib logs temp webapps work
ubuntu@ip-172-31-4-223:~/apache-tomcat-9.0.98\$ cd bin/
ubuntu@ip-172-31-4-223:~/apache-tomcat-9.0.98/bin\$ ls
bootstrap.jar catalina.sh commons-daemon-native.tar.gz configtest.sh digest.sh setclasspath.bat shutdown.sh tomcat-juli.jar tool-wrapper.sh
catalina-tasks.xml ciphers.bat commons-daemon.jar daemon.sh makebase.bat setclasspath.sh startup.bat tomcat-native.tar.gz version.bat
catalina.bat ciphers.sh configtest.bat digest.bat makebase.sh shutdown.bat startup.sh tool-wrapper.bat version.sh
ubuntu@ip-172-31-4-223:~/apache-tomcat-9.0.98/bin\$ sh startup.sh |

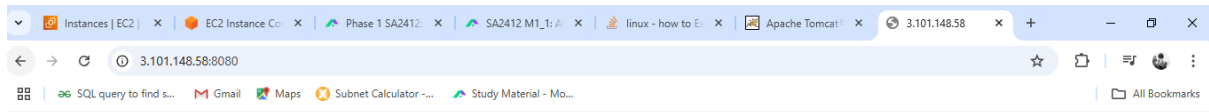
i-0ce62f7477bbd7f3b

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Step7: Trying to access Tomcat



This site can't be reached

3.101.148.58 took too long to respond.

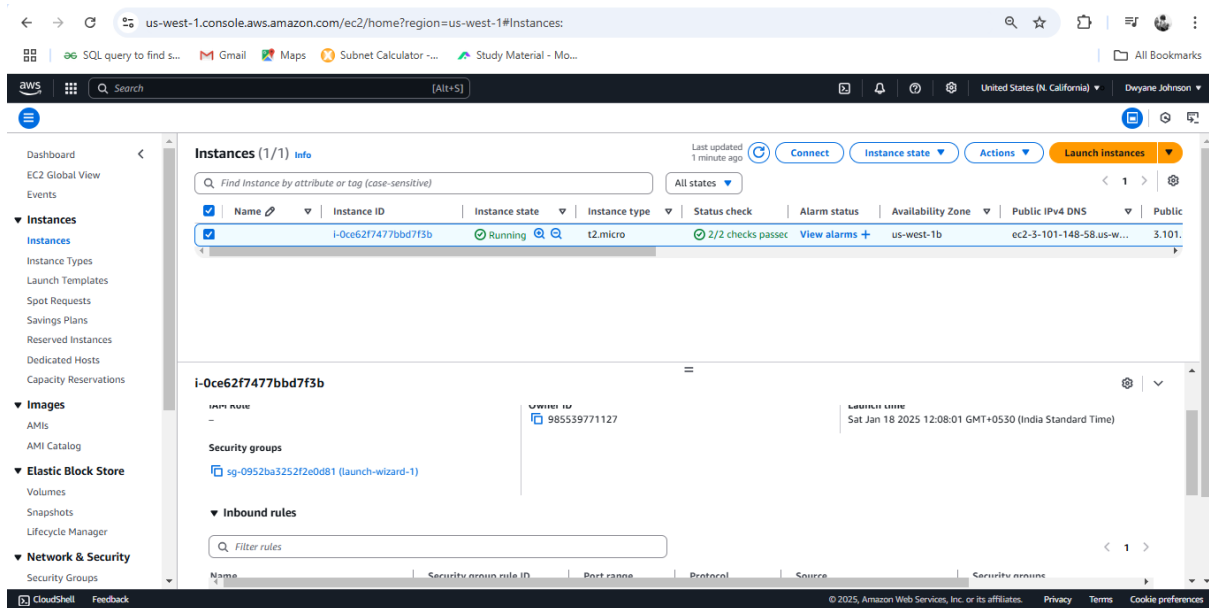
Try:

- Checking the connection
- [Checking the proxy and the firewall](#)
- [Running Windows Network Diagnostics](#)

ERR_CONNECTION_TIMED_OUT

Reload

Details



us-west-1.console.aws.amazon.com/ec2/home?region=us-west-1#ModifyInboundSecurityGroupRules:securityGroupId=sg-0952ba3252f2e0d81

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EC2 > Security Groups > sg-0952ba3252f2e0d81 - launch-wizard-1 > Edit inbound rules

Edit inbound rules info

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules info

Security group rule ID

sg-0f715e92d1bec0491

Type info

SSH

Protocol info

TCP

Port range info

22

Source info

Custom

0.0.0.0/0 X

Description - optional info

Delete

-

Custom TCP

TCP

8080

Anywh...

0.0.0.0/0 X

Delete

Add rule

Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel Preview changes Save rules

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us-west-1.console.aws.amazon.com/ec2/home?region=us-west-1#SecurityGroup:group-id=sg-0952ba3252f2e0d81

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EC2 > Security Groups > sg-0952ba3252f2e0d81 - launch-wizard-1

Dashboard <

EC2 Global View

Events

▼ Instances

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

▼ Network & Security

Security Groups

Inbound security group rules successfully modified on security group (sg-0952ba3252f2e0d81 | launch-wizard-1)

Details

sg-0952ba3252f2e0d81 - launch-wizard-1

Actions

Details

Security group name

launch-wizard-1

Security group ID

sg-0952ba3252f2e0d81

Description

launch-wizard-1 created 2025-01-18T06:36:32.106Z

VPC ID

vpc-00253d94073dc1147

Owner

985539771127

Inbound rules count

2 Permission entries

Outbound rules count

1 Permission entry

Inbound rules

Outbound rules

Sharing - new

VPC associations - new

Tags

Inbound rules (2)

Manage tags

Edit inbound rules

Search

< 1 >

	Name	Security group rule ID	IP version	Type	Protocol	Port range	Source
<input type="checkbox"/>	-	sg-0f715e92d1bec0491	IPv4	SSH	TCP	22	0.0.0.0/0
<input type="checkbox"/>	-	sg-0f715e92d1bec0491	IPv4	Custom TCP	TCP	8080	0.0.0.0/0

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