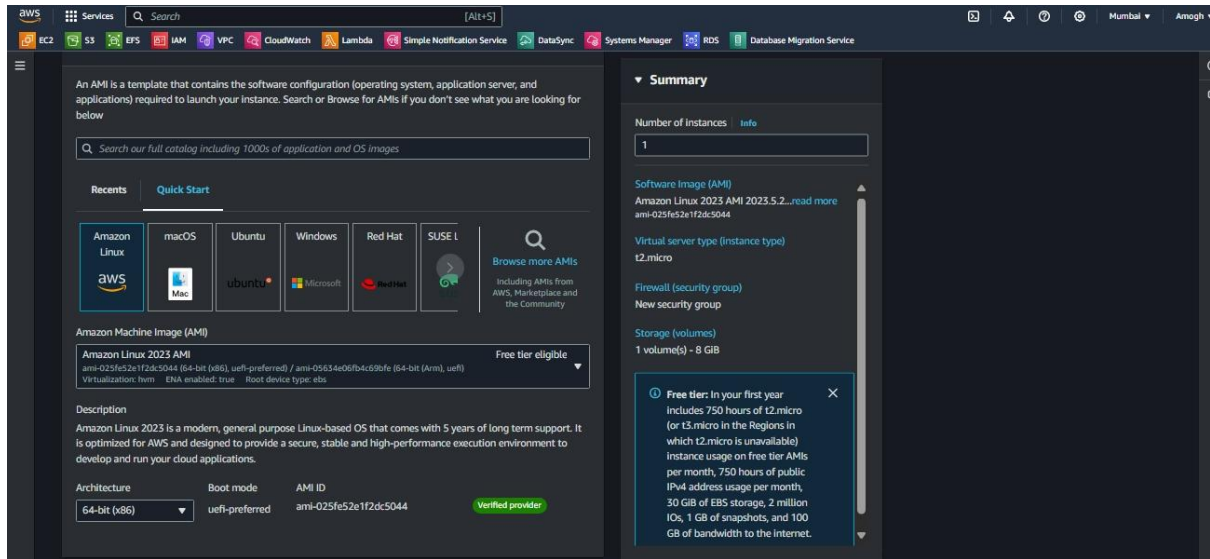
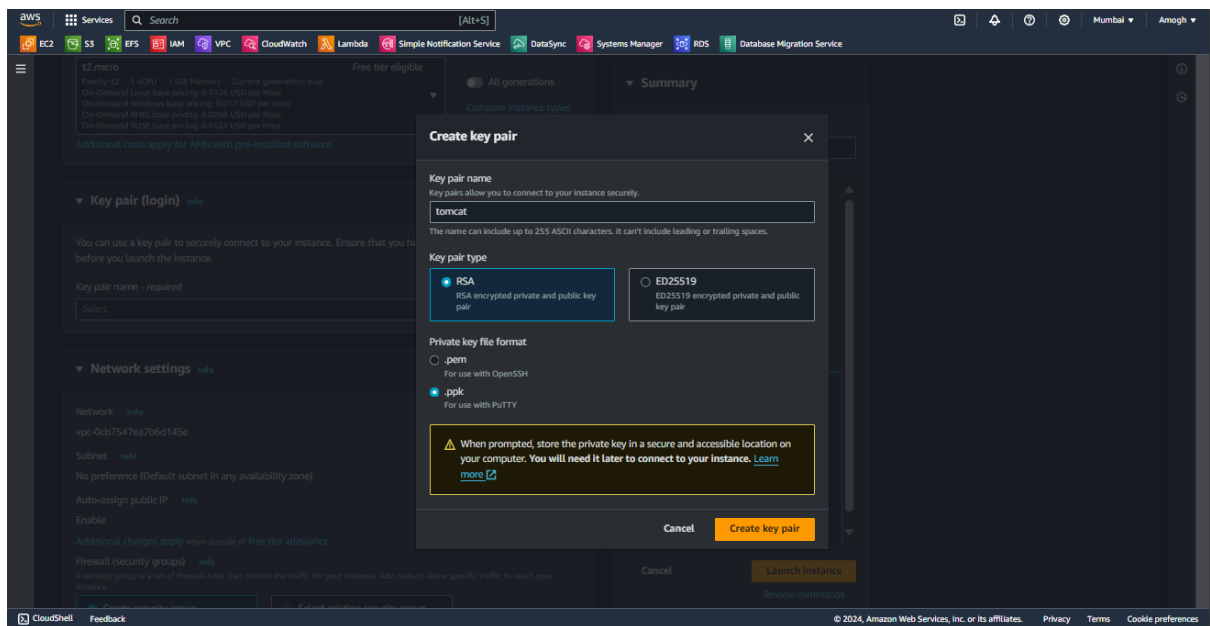


# Tomcat Installation

## Step 1: Launch an instance.



## Create new key pair



aws

Services

Search

[Alt+S]

EC2

S3

EFS

IAM

VPC

CloudWatch

Lambda

Simple Notification Service

DataSync

Systems Manager

RDS

Database Migration Service

Mumbai

Amogh

Allow SSH traffic from

Helps you connect to your instance

Anywhere

0.0.0.0/0

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.

Configure storage

Info

Advanced

1x

8

GIB

gp3

Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems

Edit

Advanced details

info

Summary

Number of instances

Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.5.2...read more

ami-025fe52e1f2dc3044

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 100 GB of bandwidth to the Internet.

Cancel

Launch instance

Review commands

aws

Services

Search

[Alt+S]

EC2

S3

EFS

IAM

VPC

CloudWatch

Lambda

Simple Notification Service

DataSync

Systems Manager

RDS

Database Migration Service

Mumbai

Amogh

EC2

Instances

Launch an Instance

Success

Successfully initiated launch of instance (i-041b9e7a95232cf05)

Launch log

Next Steps

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

< 1 2 3 4 5 6 >

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 console displays monitoring graphs with a 1-minute period.

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 single location.

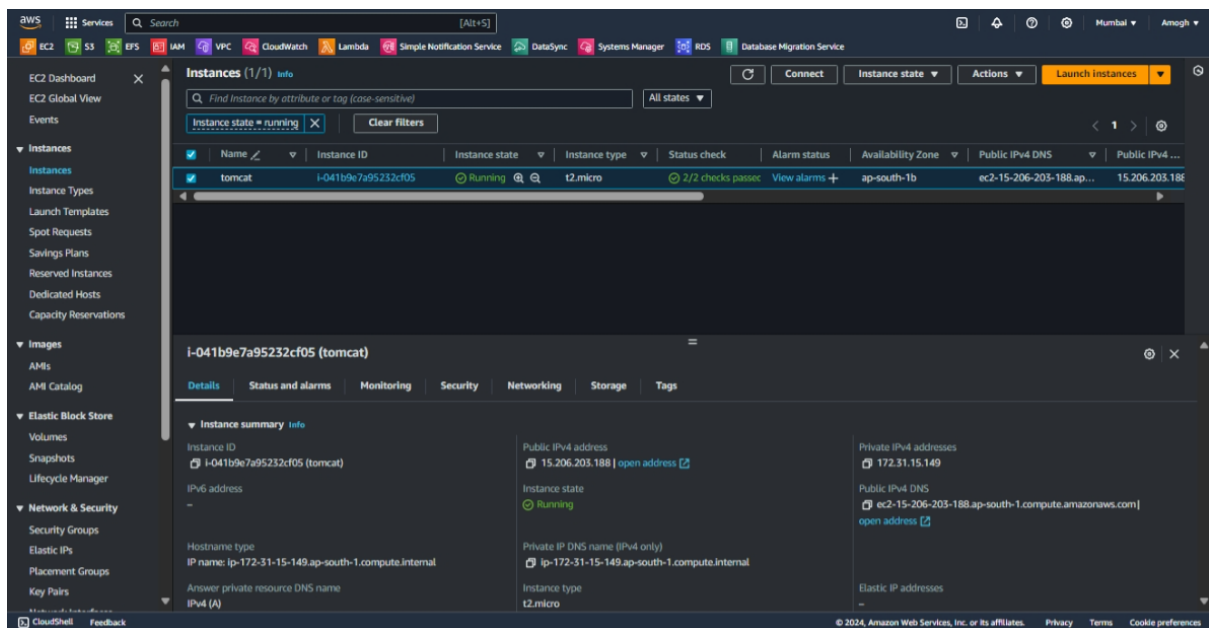
Create AWS budget

Manage CloudWatch alarms

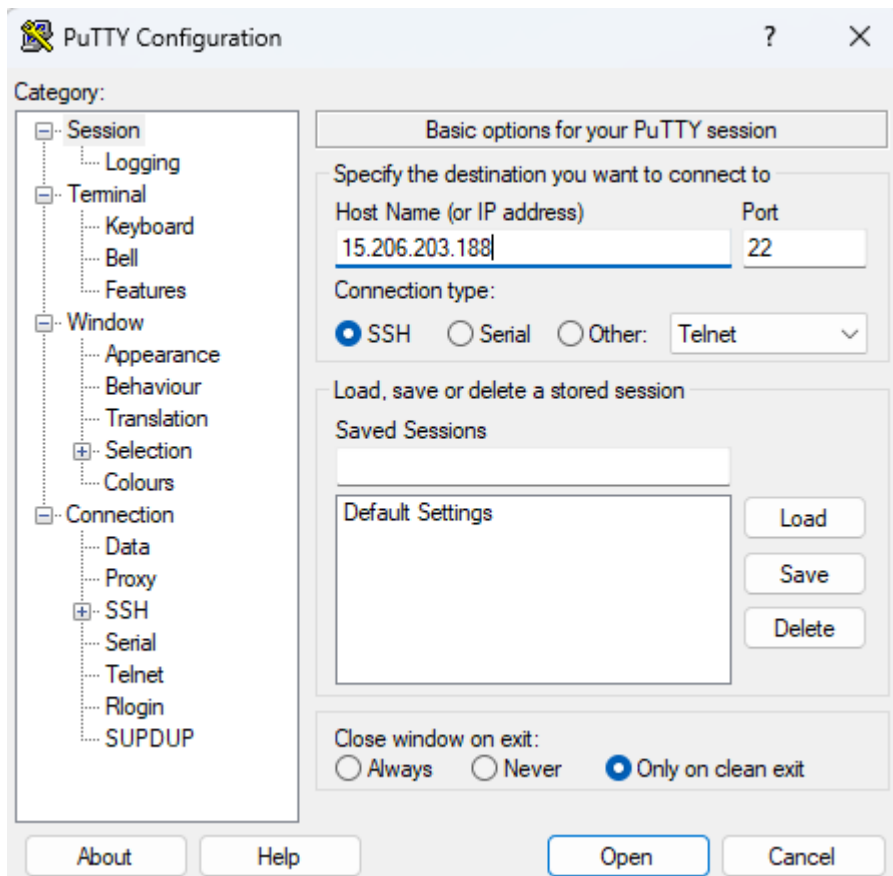
Create or update Amazon CloudWatch alarms for the instance.

Manage CloudWatch alarms

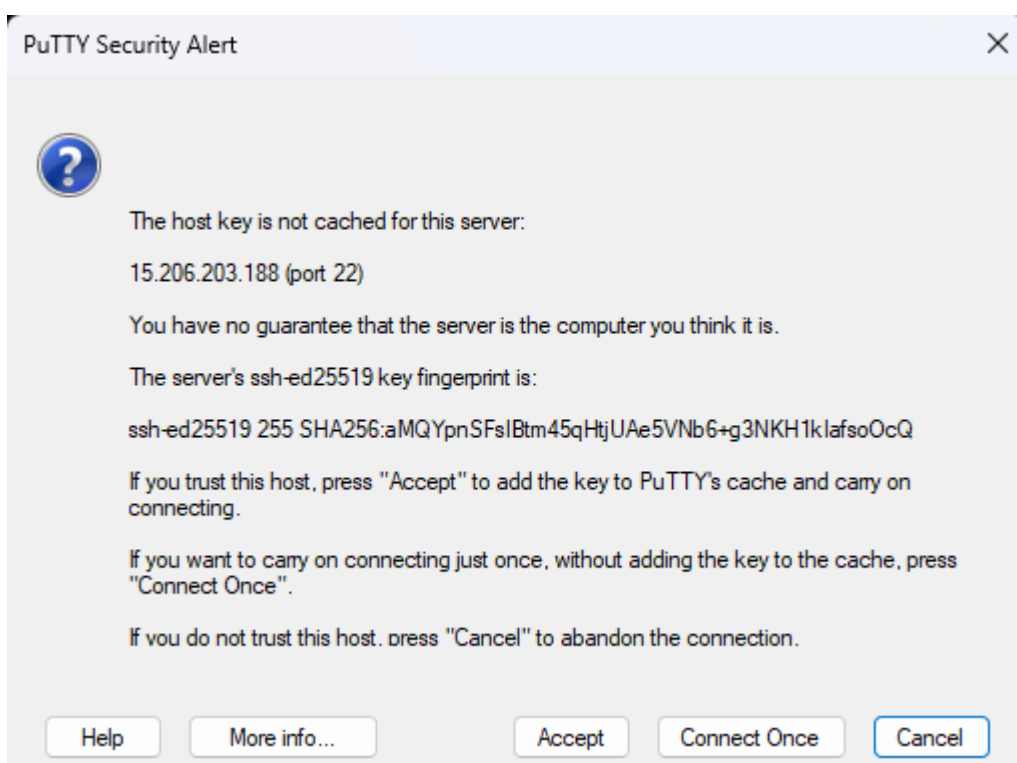
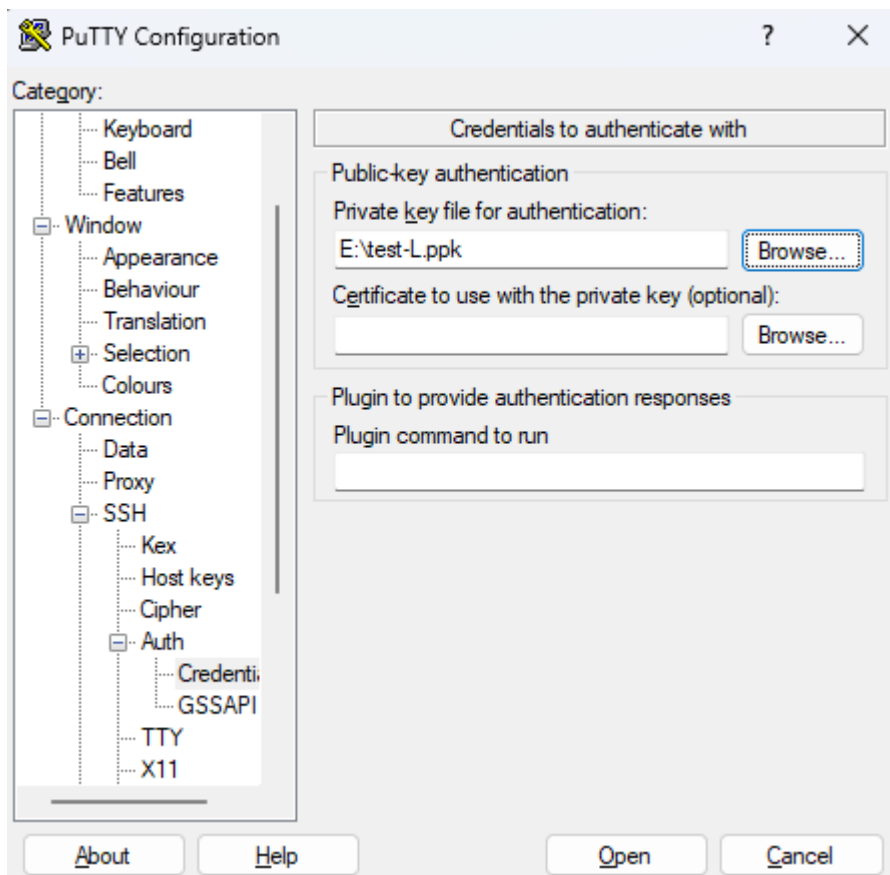
Step 2: Copy the public IP address (i.e. Public IPv4 address)



Step 3: Paste the public IPv4 address

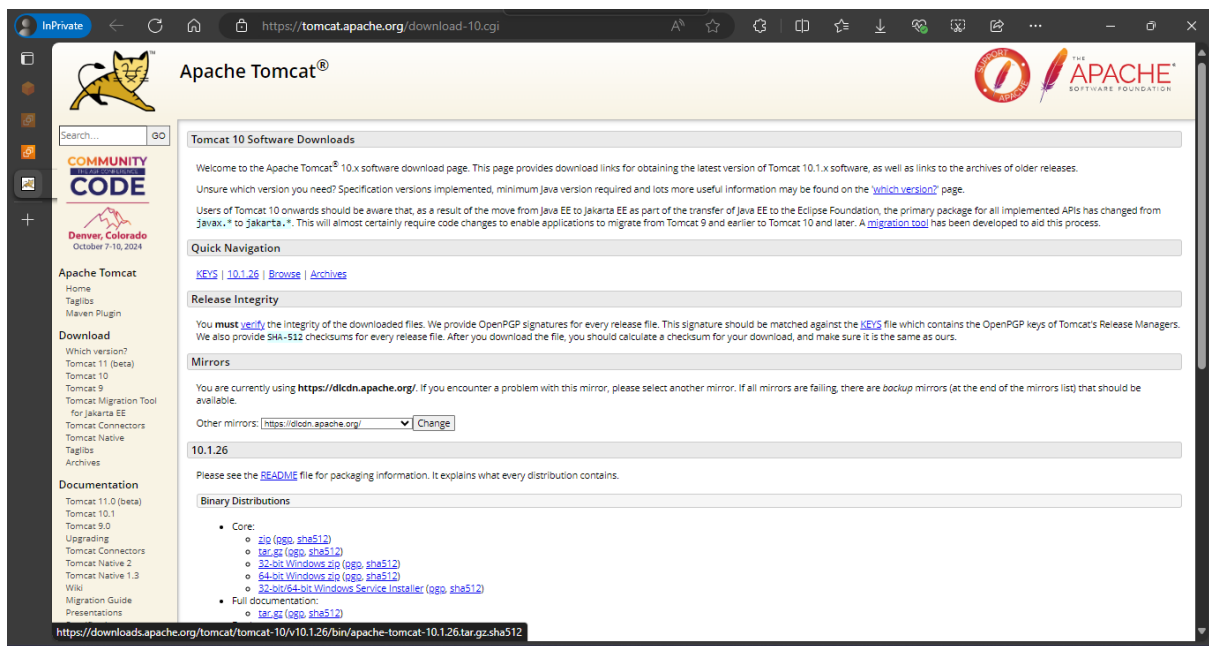


Click on SSH, then navigate to Auth, then click on credentials -> click on Browse and select the key pair -> Accept.





Copy link of tar.gz



Final step:

**Commands:**

sudo -i

yum install java

wget <https://dldn.apache.org/tomcat/tomcat-10/v10.1.26/bin/apache-tomcat-10.1.26.tar.gz>

tar xvf apache-tomcat-10.1.26.tar.gz



```
root@ip-172-31-15-149:~  
apache-tomcat-10.1.26/webapps/manager/WEB-INF/jsp/connectorCiphers.jsp  
apache-tomcat-10.1.26/webapps/manager/WEB-INF/jsp/connectorTrustedCerts.jsp  
apache-tomcat-10.1.26/webapps/manager/WEB-INF/jsp/sessionDetail.jsp  
apache-tomcat-10.1.26/webapps/manager/WEB-INF/jsp/sessionsList.jsp  
apache-tomcat-10.1.26/webapps/manager/WEB-INF/web.xml  
apache-tomcat-10.1.26/webapps/manager/css/manager.css  
apache-tomcat-10.1.26/webapps/manager/images/asf-logo.svg  
apache-tomcat-10.1.26/webapps/manager/images/tomcat.svg  
apache-tomcat-10.1.26/webapps/manager/index.jsp  
apache-tomcat-10.1.26/webapps/manager/status.xsd  
apache-tomcat-10.1.26/webapps/manager/xform.xsl  
apache-tomcat-10.1.26/bin/catalina.sh  
apache-tomcat-10.1.26/bin/ciphers.sh  
apache-tomcat-10.1.26/bin/configtest.sh  
apache-tomcat-10.1.26/bin/daemon.sh  
apache-tomcat-10.1.26/bin/digest.sh  
apache-tomcat-10.1.26/bin/makebase.sh  
apache-tomcat-10.1.26/bin/migrate.sh  
apache-tomcat-10.1.26/bin/setclasspath.sh  
apache-tomcat-10.1.26/bin/shutdown.sh  
apache-tomcat-10.1.26/bin/startup.sh  
apache-tomcat-10.1.26/bin/tool-wrapper.sh  
apache-tomcat-10.1.26/bin/version.sh  
[root@ip-172-31-15-149 ~]#
```

Change directory to apache-tomcat-10.1.26, then to bin

```
root@ip-172-31-15-149:~/apache-tomcat-10.1.26/bin  
-rw-r-----. 1 root root 3298 Jul 7 21:02 README.md  
-rw-r-----. 1 root root 6776 Jul 7 21:02 RELEASE-NOTES  
-rw-r-----. 1 root root 16076 Jul 7 21:02 RUNNING.txt  
drwxr-x---. 2 root root 16384 Aug 4 06:03 bin  
drwx-----. 2 root root 16384 Jul 7 21:02 conf  
drwxr-x---. 2 root root 16384 Aug 4 06:03 lib  
drwxr-x---. 2 root root 6 Jul 7 21:02 logs  
drwxr-x---. 2 root root 30 Aug 4 06:03 temp  
drwxr-x---. 7 root root 81 Jul 7 21:02 webapps  
drwxr-x---. 2 root root 6 Jul 7 21:02 work  
[root@ip-172-31-15-149 apache-tomcat-10.1.26]# cd bin  
[root@ip-172-31-15-149 bin]# ll  
total 992  
-rw-r-----. 1 root root 36141 Jul 7 21:02 bootstrap.jar  
-rw-r-----. 1 root root 1664 Jul 7 21:02 catalina-tasks.xml  
-rw-r-----. 1 root root 15127 Jul 7 21:02 catalina.bat  
-rwxr-x---. 1 root root 23445 Jul 7 21:02 catalina.sh  
-rw-r-----. 1 root root 2123 Jul 7 21:02 ciphers.bat  
-rwxr-x---. 1 root root 1997 Jul 7 21:02 ciphers.sh  
-rw-r-----. 1 root root 214459 Jul 7 21:02 commons-daemon-native.tar.gz  
-rw-r-----. 1 root root 25834 Jul 7 21:02 commons-daemon.jar  
-rw-r-----. 1 root root 2040 Jul 7 21:02 configtest.bat  
-rwxr-x---. 1 root root 1922 Jul 7 21:02 configtest.sh  
-rwxr-x---. 1 root root 8319 Jul 7 21:02 daemon.sh  
-rw-r-----. 1 root root 2051 Jul 7 21:02 digest.bat  
-rwxr-x---. 1 root root 1965 Jul 7 21:02 digest.sh  
-rw-r-----. 1 root root 3606 Jul 7 21:02 makebase.bat  
-rwxr-x---. 1 root root 3382 Jul 7 21:02 makebase.sh  
-rw-r-----. 1 root root 2096 Jul 7 21:02 migrate.bat  
-rwxr-x---. 1 root root 1970 Jul 7 21:02 migrate.sh  
-rw-r-----. 1 root root 3382 Jul 7 21:02 setclasspath.bat  
-rwxr-x---. 1 root root 3941 Jul 7 21:02 setclasspath.sh  
-rw-r-----. 1 root root 2020 Jul 7 21:02 shutdown.bat  
-rwxr-x---. 1 root root 1902 Jul 7 21:02 shutdown.sh  
-rw-r-----. 1 root root 2022 Jul 7 21:02 startup.bat  
-rwxr-x---. 1 root root 1904 Jul 7 21:02 startup.sh  
-rw-r-----. 1 root root 47595 Jul 7 21:02 tomcat-juli.jar  
-rw-r-----. 1 root root 539131 Jul 7 21:02 tomcat-native.tar.gz  
-rw-r-----. 1 root root 3623 Jul 7 21:02 tool-wrapper.bat  
-rwxr-x---. 1 root root 4600 Jul 7 21:02 tool-wrapper.sh  
-rw-r-----. 1 root root 2026 Jul 7 21:02 version.bat  
-rwxr-x---. 1 root root 1908 Jul 7 21:02 version.sh  
[root@ip-172-31-15-149 bin]#
```



Now run the startup.sh file by giving the `./startup.sh` command.

```
root@ip-172-31-15-149:~/apache-tomcat-10.1.26/bin
-rw-r-----. 1 root root 2096 Jul 7 21:02 migrate.bat
-rwxr-x---. 1 root root 1970 Jul 7 21:02 migrate.sh
-rw-r-----. 1 root root 3382 Jul 7 21:02 setclasspath.bat
-rwxr-x---. 1 root root 3941 Jul 7 21:02 setclasspath.sh
-rw-r-----. 1 root root 2020 Jul 7 21:02 shutdown.bat
-rwxr-x---. 1 root root 1902 Jul 7 21:02 shutdown.sh
-rw-r-----. 1 root root 2022 Jul 7 21:02 startup.bat
-rwxr-x---. 1 root root 1904 Jul 7 21:02 startup.sh
-rw-r-----. 1 root root 47595 Jul 7 21:02 tomcat-juli.jar
-rw-r-----. 1 root root 538131 Jul 7 21:02 tomcat-native.tar.gz
-rw-r-----. 1 root root 3623 Jul 7 21:02 tool-wrapper.bat
-rwxr-x---. 1 root root 4600 Jul 7 21:02 tool-wrapper.sh
-rw-r-----. 1 root root 2026 Jul 7 21:02 version.bat
-rwxr-x---. 1 root root 1908 Jul 7 21:02 version.sh
[root@ip-172-31-15-149 bin]# ./startup.sh
Using CATALINA_BASE:   /root/apache-tomcat-10.1.26
Using CATALINA_HOME:   /root/apache-tomcat-10.1.26
Using CATALINA_TMPDIR: /root/apache-tomcat-10.1.26/temp
Using JRE_HOME:        /usr
Using CLASSPATH:       /root/apache-tomcat-10.1.26/bin/bootstrap.jar:/root/apach
e-tomcat-10.1.26/bin/tomcat-juli.jar
Using CATALINA_OPTS:
Tomcat started.
[root@ip-172-31-15-149 bin]#
```

Now copy the public IPv4 address and paste it in a browser & click enter, then we need to get the following webpage:

