

05 Assignment - AWS Cloud

Name: Pooja Prakash Belgaumkar

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

- Installing Tomcat 10

```
ubuntu@ip-172-31-11-112:~$ sudo apt install tomcat10 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libapr1t64 libeclipse-jdt-core-java libtcnative-1 libtomcat10-java
  tomcat10-common
Suggested packages:
  tomcat10-admin tomcat10-docs tomcat10-examples tomcat10-user
The following NEW packages will be installed:
  libapr1t64 libeclipse-jdt-core-java libtcnative-1 libtomcat10-java tomcat10
  tomcat10-common
0 upgraded, 6 newly installed, 0 to remove and 0 not upgraded.
Need to get 13.0 MB of archives.
After this operation, 16.5 MB of additional disk space will be used.
Get:1 http://eu-north-1-ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 libapr1t64 amd64 1.7.2-3.1ubuntu0.1 [108 kB]
Get:2 http://eu-north-1-ec2.archive.ubuntu.com/ubuntu noble/universe amd64 libeclipse-jdt-core-java all 3.32.0+eclipse4.26-2 [6438 kB]
Get:3 http://eu-north-1-ec2.archive.ubuntu.com/ubuntu noble/universe amd64 libtomcat10-java all 10.1.16-1 [6222 kB]
```

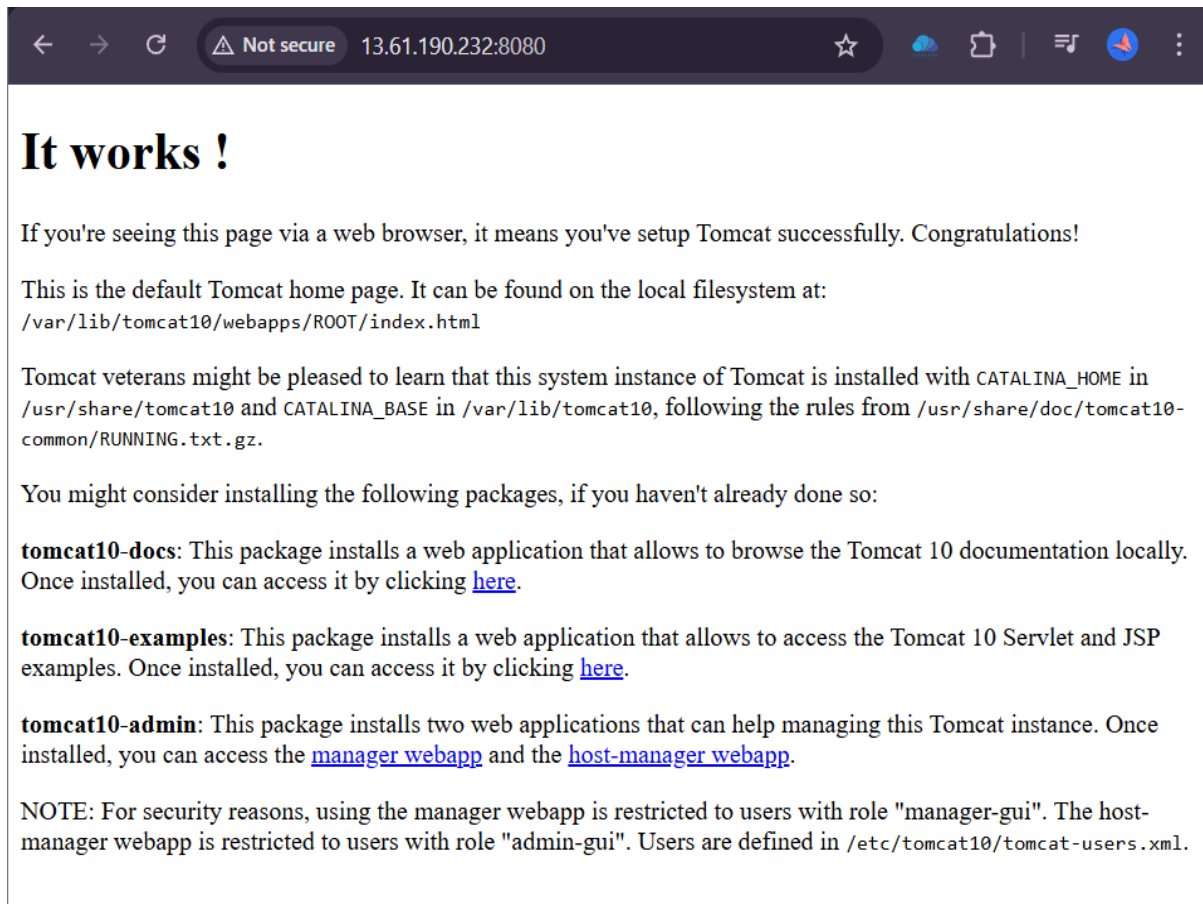
- Starting Tomcat and check Tomcat status

```
ubuntu@ip-172-31-11-112:~$ sudo systemctl start tomcat10
ubuntu@ip-172-31-11-112:~$ sudo systemctl enable tomcat10
ubuntu@ip-172-31-11-112:~$ sudo systemctl status tomcat10
● tomcat10.service - Apache Tomcat 10 Web Application Server
   Loaded: loaded (/usr/lib/systemd/system/tomcat10.service; enabled; preset:
   Active: active (running) since Sun 2026-01-04 11:07:19 UTC; 1min 17s ago
     Docs: https://tomcat.apache.org/tomcat-10.0-doc/index.html
   Main PID: 22452 (java)
    Tasks: 30 (limit: 1008)
   Memory: 94.3M (peak: 94.8M)
      CPU: 5.164s
   CGroup: /system.slice/tomcat10.service
           └─22452 /usr/lib/jvm/java-17-openjdk-amd64/bin/java -Djava.util.lo

Jan 04 11:07:21 ip-172-31-11-112 tomcat10[22452]: OpenSSL successfully initiali
Jan 04 11:07:21 ip-172-31-11-112 tomcat10[22452]: Initializing ProtocolHandler >
Jan 04 11:07:21 ip-172-31-11-112 tomcat10[22452]: Server initialization in [132>
Jan 04 11:07:22 ip-172-31-11-112 tomcat10[22452]: Starting service [Catalina]
Jan 04 11:07:22 ip-172-31-11-112 tomcat10[22452]: Starting Servlet engine: [Apa
Jan 04 11:07:22 ip-172-31-11-112 tomcat10[22452]: Deploying web application dir>
Jan 04 11:07:24 ip-172-31-11-112 tomcat10[22452]: At least one JAR was scanned >
Jan 04 11:07:24 ip-172-31-11-112 tomcat10[22452]: Deployment of web application>
Jan 04 11:07:24 ip-172-31-11-112 tomcat10[22452]: Starting ProtocolHandler ["ht
Jan 04 11:07:24 ip-172-31-11-112 tomcat10[22452]: Server startup in [2366] mill
ubuntu@ip-172-31-11-112:~$ sudo ss -tuln | grep 8080
tcp        LISTEN 0      100          *:8080          *:*
```

ip-172-31-11-112 0% 0.44 GB / 0.89 GB 0.01 Mb/s 0.00 Mb/s 74 min

- Accessing the Tomcat in Browser



- Tomcat is a web application server used to run Java applications. It runs on port 8080 by default, so an inbound rule is required to allow browser access to the server.