

*Launch one Linux instance in aws.*

Instances (1/1) [Info](#)

Last updated 2 minutes ago

Refresh

Connect

Instance state ▾

Actions ▾

Launch instances ▾

All states ▾

Instance state = running ✕

Clear filters

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⚙️

<input checked="" type="checkbox"/>	Name <a href="#">↗</a>	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/>	aws server	i-0986e3b46ba78ddd0	<span>Running</span> <a href="#">🔍</a> <a href="#">🔍</a>	t2.micro	<span>Initializing</span>	<a href="#">View alarms +</a>	ap-southeast-2b

i-0986e3b46ba78ddd0 (aws server)

⚙️ ✕

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

▼ Instance summary [Info](#)

Instance ID

i-0986e3b46ba78ddd0

IPv6 address

–

Hostname type

IP name: ip-172-31-2-3.ap-southeast-2.compute.internal

Public IPv4 address

3.106.242.34 | [open address](#) [🔗](#)

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-2-3.ap-southeast-2.compute.internal

Private IPv4 addresses

172.31.2.3

Public IPv4 DNS

ec2-3-106-242-34.ap-southeast-2.compute.amazonaws.com

[open address](#) [🔗](#)

### Ssh login through remote server

[illegible]

Create on file with name `Techie_horizon`

```
[ec2-user@ip-172-31-2-3 ~]$ touch techie_horizon
[ec2-user@ip-172-31-2-3 ~]$ ls -l | grep tech*
-rw-r--r--. 1 ec2-user ec2-user 0 Oct 29 07:32 techie_horizon
[ec2-user@ip-172-31-2-3 ~]$
```

*Install Jenkins in the server created in step 1.*

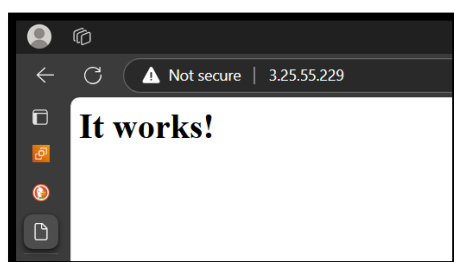
```
Complete!
[ec2-user@ip-172-31-6-195 ~]$ java --version
openjdk 17.0.12 2024-07-16 LTS
OpenJDK Runtime Environment Corretto-17.0.12.7.1 (build 17.0.12+7-LTS)
OpenJDK 64-Bit Server VM Corretto-17.0.12.7.1 (build 17.0.12+7-LTS, mixed mode, sharing)

[ec2-user@ip-172-31-6-195 ~]$ sudo systemctl start jenkins
[ec2-user@ip-172-31-6-195 ~]$ sudo systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/usr/lib/systemd/system/jenkins.service; enabled; preset: >
   Active: active (running) since Tue 2024-10-29 10:11:24 UTC; 25s ago
     Main PID: 31051 (java)
        Tasks: 46 (limit: 1112)
       Memory: 391.0M
          CPU: 17.249s
      CGroup: /system.slice/jenkins.service
              └─31051 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/jav>
```

*Install httpd,nginx,Apache Tomcat.*

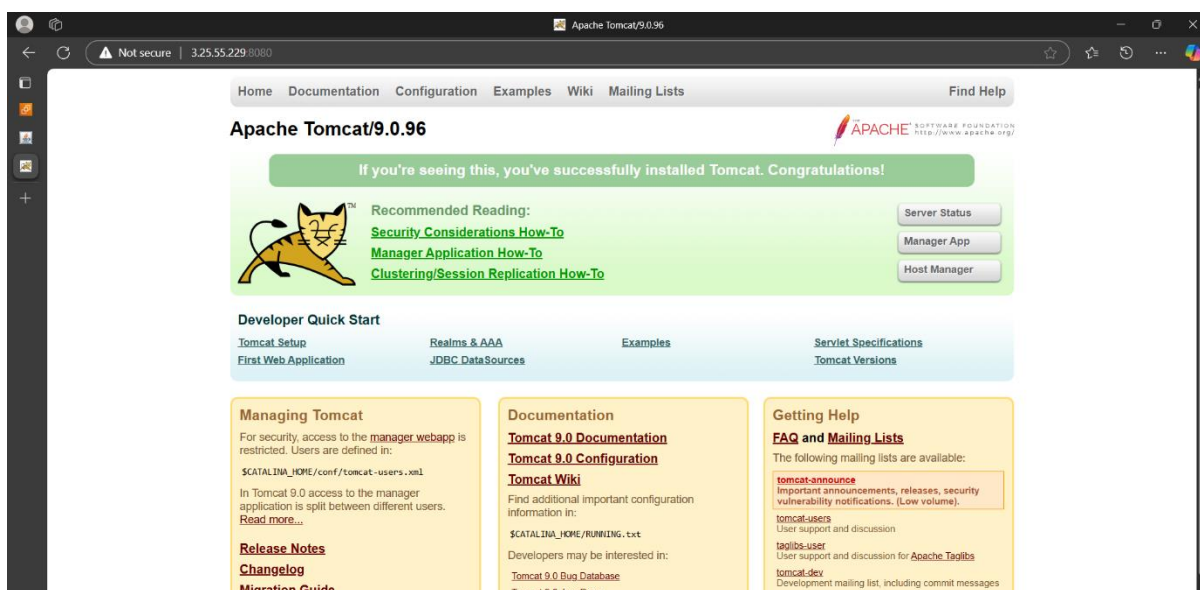
```
[ec2-user@ip-172-31-6-195 ~]$ sudo systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: di>
   Active: active (running) since Tue 2024-10-29 10:31:36 UTC; 7min ago
     Docs: man:httpd.service(8)
   Main PID: 32469 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes>
     Tasks: 177 (limit: 1112)
    Memory: 13.3M
         CPU: 295ms
      CGroup: /system.slice/httpd.service
              └─32469 /usr/sbin/httpd -DFOREGROUND
                └─32470 /usr/sbin/httpd -DFOREGROUND
                  └─32471 /usr/sbin/httpd -DFOREGROUND
                    └─32472 /usr/sbin/httpd -DFOREGROUND
                      └─32473 /usr/sbin/httpd -DFOREGROUND

Oct 29 10:31:36 ip-172-31-6-195.ap-southeast-2.compute.internal systemd[1]: Sta>
Oct 29 10:31:36 ip-172-31-6-195.ap-southeast-2.compute.internal systemd[1]: Sta>
Oct 29 10:31:36 ip-172-31-6-195.ap-southeast-2.compute.internal httpd[32469]: S>
```



*TOMCAT*

```
[root@ip-172-31-10-50 opt]# cd apache-tomcat-9.0.96/
[root@ip-172-31-10-50 apache-tomcat-9.0.96]# ls
BUILDING.txt      LICENSE          README.md        RUNNING.txt      conf  logs  webapps
CONTRIBUTING.md  NOTICE         RELEASE-NOTES   bin             lib   temp  work
[root@ip-172-31-10-50 apache-tomcat-9.0.96]# cd bin/
[root@ip-172-31-10-50 bin]# ls
bootstrap.jar      ciphers.sh       daemon.sh         setclasspath.bat  startup.sh        version.bat
catalina-tasks.xml commons-daemon-native.tar.gz digest.bat        setclasspath.sh   tomcat-juli.jar   version.sh
catalina.bat      commons-daemon.jar digest.sh         shutdown.bat      tomcat-native.tar.gz
catalina.sh       configtest.bat   makebase.bat     shutdown.sh       tool-wrapper.bat
ciphers.bat       configtest.sh    makebase.sh      startup.bat       tool-wrapper.sh
[root@ip-172-31-10-50 bin]# ./startup.sh
Using CATALINA_BASE:   /opt/apache-tomcat-9.0.96
Using CATALINA_HOME:   /opt/apache-tomcat-9.0.96
Using CATALINA_TMPDIR: /opt/apache-tomcat-9.0.96/temp
Using JRE_HOME:        /usr
Using CLASSPATH:       /opt/apache-tomcat-9.0.96/bin/bootstrap.jar:/opt/apache-tomcat-9.0.96/bin/tomcat-juli.jar
Using CATALINA_OPTS:
Tomcat started.
```



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