

App servers and Web Servers

- Install nginx and run nginx on port number 81.

```
http://98.93.39.25:81
```

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

```
[root@ip-172-31-72-11 html]# ss -ltn -t tcp:81
COMMAND  PID  USER  FD  TYPE  DEVICE  SIZE/OFF  NODE  NAME
nginx    7622 root    8u  IPv4  101475      0t0  TCP  *:81 (LISTEN)
nginx    7622 root    9u  IPv6  101476      0t0  TCP  *:81 (LISTEN)
nginx    7623 nginx   8u  IPv4  101475      0t0  TCP  *:81 (LISTEN)
nginx    7623 nginx   9u  IPv6  101476      0t0  TCP  *:81 (LISTEN)
nginx    7624 nginx   8u  IPv4  101475      0t0  TCP  *:81 (LISTEN)
nginx    7624 nginx   9u  IPv6  101476      0t0  TCP  *:81 (LISTEN)
nginx    7624 nginx  10u  IPv4  101604      0t0  TCP  ip-172-31-72-11.ec2.internal:81->124.123.188.21.actcorp.in:29749 (ESTABLISHED)
```

- Deploy a sample index.html file on Nginx.

```
http://98.93.39.25:81
```

Welcome Home Suckers!

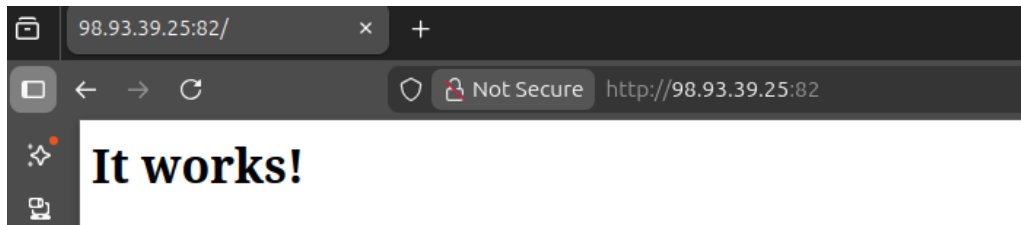
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

App servers and Web Servers

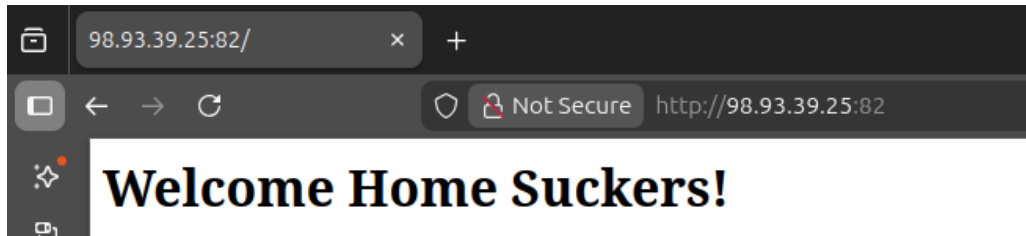
- Install Apache and run Apache on port number 82.



```
[root@ip-172-31-72-11 conf]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
   Active: active (running) since Wed 2025-12-17 06:02:12 UTC; 3s ago
     Docs: man:httpd.service(8)
   Main PID: 5286 (httpd)
   Status: "Started, listening on: port 82"
   Tasks: 177 (limit: 1009)
  Memory: 13.6M
     CPU: 60ms
   CGroup: /system.slice/httpd.service
           └─5286 /usr/sbin/httpd -DFOREGROUND
             └─5287 /usr/sbin/httpd -DFOREGROUND
               └─5288 /usr/sbin/httpd -DFOREGROUND
                 └─5289 /usr/sbin/httpd -DFOREGROUND
                   └─5290 /usr/sbin/httpd -DFOREGROUND

Dec 17 06:02:12 ip-172-31-72-11.ec2.internal systemd[1]: Starting httpd.service - The Apache HTTP Server...
Dec 17 06:02:12 ip-172-31-72-11.ec2.internal systemd[1]: Started httpd.service - The Apache HTTP Server.
Dec 17 06:02:12 ip-172-31-72-11.ec2.internal httpd[5286]: Server configured, listening on: port 82
```

- Deploy a sample index.html file on Apache.




App servers and Web Servers

- Install Apache tomcat on port number 8082.

Home Documentation Configuration Examples Wiki Mailing Lists Find Help

Apache Tomcat/9.0.102

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.service - Apache Tomcat Web Application Container
   Loaded: loaded (/etc/systemd/system/tomcat.service; disabled; preset: disabled)
   Active: active (running) since Wed 2025-12-17 07:40:16 UTC; 1min 24s ago
   Process: 10590 ExecStart=/opt/tomcat/bin/startup.sh (code=exited, status=0/SUCCESS)
   Main PID: 10597 (java)
   Tasks: 30 (limit: 1009)
   Memory: 73.0M
   CPU: 4.674s
   CGroup: /system.slice/tomcat.service
           └─10597 /usr/lib/jvm/jre-17/bin/java -Djava.util.logging.config.file=/opt/tomcat/conf/logging.prop
```

- Deploy a sample app on webapps.

Sample "Hello, World" Application

This is the home page for a sample application used to illustrate the source directory Developer's Guide.

To prove that they work, you can execute either of the following links:

- To a [JSP page](#).
- To a [servlet](#).

- Create a tomcat.service file for tomcat.

```
[root@ip-172-31-72-11 /]# find / -name tomcat.service
/etc/systemd/system/tomcat.service
/sys/fs/cgroup/system.slice/tomcat.service
```

- Configure HA Proxy server.

```
[root@ip-172-31-72-11 conf]# for i in {1..6}; do curl -H "Connection: close" http://localhost; done
Backend server 1
Backend server 2
Backend server 1
Backend server 2
Backend server 1
Backend server 2
```