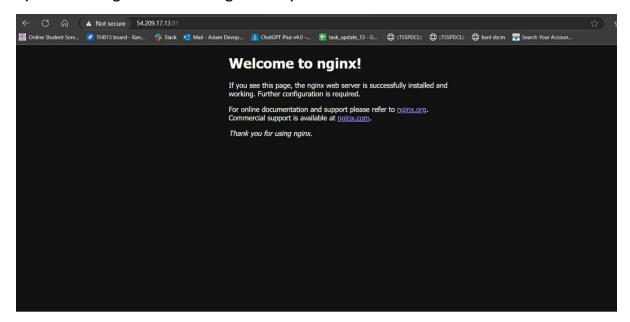
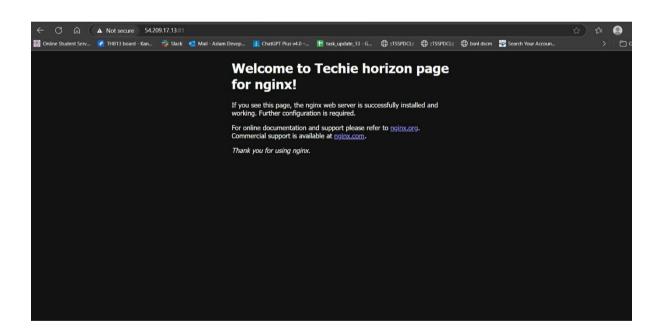
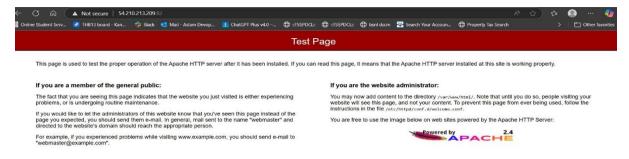
1) Install nginx and run nginx on port number 81.



2) Deploy a sample index.html file on nginx.



3) Install Apache and run Apache on port number 82

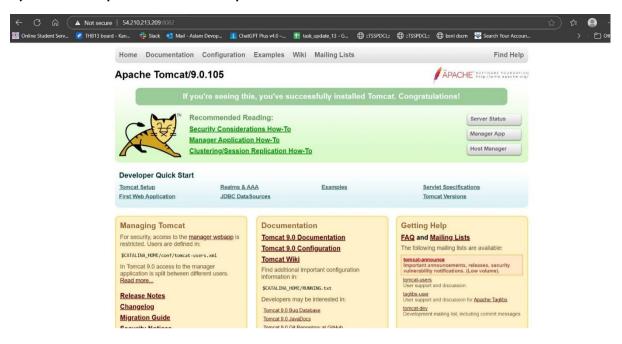


4) Deploy a sample index.html file on Apache.



Welcome to the test website of Apache for the daily task given

5) Install Apache tomcat on port number 8082



6) Deploy a sample app on webapps



7) Create a tomcat.service file for tomcat.

8) Configure HA Proxy server

```
oot@np-1/2-31-31-61 ec2-user]# systemct। status httpd
httpd.service - The Apache HTTP Server
      Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor prese
      disabled)
Active: inactive (dead)
Docs: man:httpd.service(8)
root@ip-172-31-31-61 ec2-user]# systemctl start httpd
root@ip-172-31-31-61 ec2-user]# systemctl status httpd
   httpd.service - The Apache HTTP Server
Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor prese
      disabled)
      Active: active (running) since Thu 2025-05-29 01:44:51 UTC; 3s ago
Active: active (running) since Thu 2025-05-2
Docs: man:httpd.service(8)

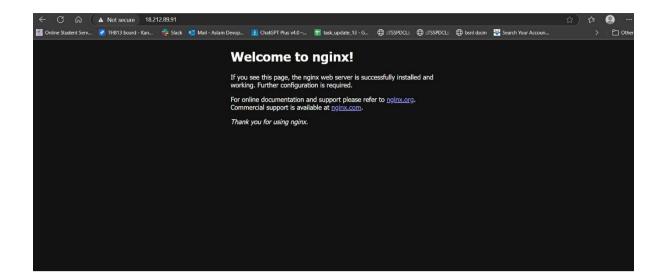
Main PID: 3488 (httpd)
Status: "Processing requests..."

CGroup: /system.slice/httpd.service

-3488 /usr/sbin/httpd -DFOREGROUND
-3499 /usr/sbin/httpd -DFOREGROUND
-3491 /usr/sbin/httpd -DFOREGROUND
-3492 /usr/sbin/httpd -DFOREGROUND
                                 -3492 /usr/sbin/httpd -DFOREGROUND
-3493 /usr/sbin/httpd -DFOREGROUND
ay 29 01:44:51 ip-172-31-31-61.ec2.internal systemd[1]: Starting The Apache ... ay 29 01:44:51 ip-172-31-31-61.ec2.internal systemd[1]: Started The Apache H...
ay 29 01:44:51 ip-172-31-31-61.ec2.internal systemd[1]: Started The Apache Fint: Some lines were ellipsized, use -l to show in full.
root@ip-172-31-31-61 ec2-user]# vi /etc/hosts
root@ip-172-31-31-61 ec2-user]# ping load_balancer -c 4
ING load_balancer (18.212.89.91) 56(84) bytes of data.
4 bytes from load_balancer (18.212.89.91): icmp_seq=1 ttl=254 time=0.742 ms
4 bytes from load_balancer (18.212.89.91): icmp_seq=2 ttl=254 time=0.832 ms
4 bytes from load_balancer (18.212.89.91): icmp_seq=3 ttl=254 time=1.01 ms
4 bytes from load_balancer (18.212.89.91): icmp_seq=4 ttl=254 time=0.571 ms

    load_balancer ping statistics ---

 packets transmitted, 4 received, 0% packet loss, time 3043ms tt min/avg/max/mdev = 0.571/0.788/1.010/0.162 ms
  root@ip-172-31-31-61 ec2-user]# |
   root@n-1/2-31-18-253 ec2-user]# systemctl status ngnnx
nginx.service - The nginx HTTP and reverse proxy server
Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; vendor preset: disabled)
Active: active (running) since Thu 2025-05-29 01:51:49 UTC; lmin 52s ago
Process: 3500 ExecStart=/usr/sbin/nginx (code=exited, status=0/SUCCESS)
Process: 3496 ExecStartPre=/usr/sbin/nginx -t (code=exited, status=0/SUCCESS)
Process: 3495 ExecStartPre=/usr/bin/rm -f /run/nginx.pid (code=exited, status=0/SUCCESS)
  Process: 3495 Executar Fre-/ds//ds//mm
Main PID: 3502 (nginx)
CGroup: /system.slice/nginx.service
-3502 nginx: master process /usr/sbin/nginx
-3503 nginx: worker process
 -- load_balancer ping statistics ---
packets transmitted, 4 received, 0% packet loss, time 3029ms
tt min/avg/max/mdev = 0.518/0.910/1.111/0.242 ms
root@ip-172-31-18-253 ec2-user]#|
```





This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.

If you are a member of the general public:

The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.

If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send theme-email. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

For example, if you experienced problems while visiting www.example.com, you should send e-mail to "webmaster@example.com".

If you are the website administrator:

You may now add content to the directory /var//war//html/. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file /etc/https/conf-d/walcone.comf.

You are free to use the image below on web sites powered by the Apache HTTP Server:

Powered by Apache 1