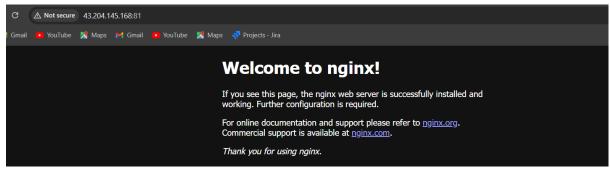
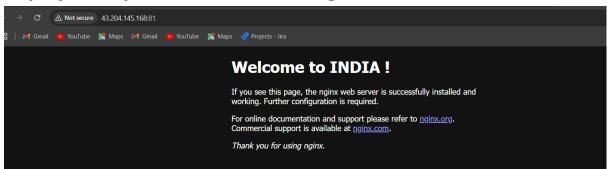
TASK 04 (12-02-2025)

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



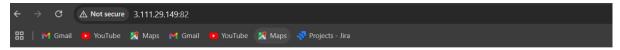
2) Deploy a sample index.html file on nginx:



3) Install Apache and run Apache on port number 82:

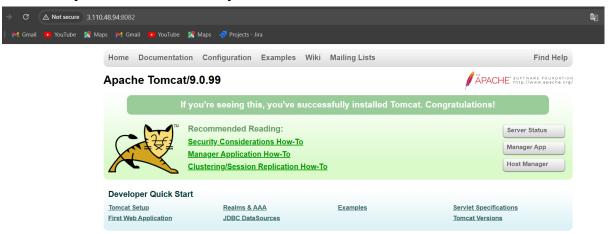


4) Deploy a sample index.html file on Apache:



This is My Sample Application!

5) Install Apache tomcat on port number 8082:



6) Deploy a sample app on webapps:



7) Create a tomcat. Service file for tomcat:

```
[cc]-userGip-17:-11-8-126-]$ sods os - Lost Copin we feel 30 90:5575 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1 [color topin we feel 30 90:555 UTC 2025 on pts/1
```

8) Configure HA Proxy server:

Ec-2 server1:

```
[root@ip-172-31-7-89 ~]# vi /etc/host/
[root@ip-172-31-7-89 ~]# vi /etc/hosts
[root@ip-172-31-7-89 ~]# ping load_balancer -c 4
PING load_balancer (3.110.103.202) 56(84) bytes of data.
64 bytes from load_balancer (3.110.103.202): icmp_seq=1 ttl=254 time=1.50 ms
64 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.387 ms
64 bytes from load_balancer (3.110.103.202): icmp_seq=3 ttl=254 time=0.683 ms
64 bytes from load_balancer (3.110.103.202): icmp_seq=3 ttl=254 time=0.871 ms

--- load_balancer ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3058ms
rtt min/avg/max/mdev = 0.387/0.861/1.504/0.409 ms
[root@ip-172-31-7-89 ~]# systemctl start httpd
[root@ip-172-31-7-89 ~]# systemctl status httpd

• httpd.service - The Apache HTTP Server
    Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor prese
t: disabled)
    Active: active (running) since Thu 2025-02-27 09:41:18 UTC; 14s ago
    Docs: man:httpd.service(8)

Main PID: 3465 (httpd)

Status: "Total requests: 0: Idle/Busy workers 100/0:Requests/sec: 0: Bytes se
```



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 them e-mail. 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/newi/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 /ret.httpd/conf.d/welcome.conf.

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



Ec2-server2:

```
_/m/
                            https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-172-31-10-105 ~]$ sudo -i
[root@ip-172-31-10-105 ~]# yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
                                                                        3.6 kB
amzn2-core
                                                                                      00:00
No packages marked for update
[root@ip-172-31-10-105 ~]# sudo amazon-linux-extras install nginx1 -y
Topic -y is not found.
[root@ip-172-31-10-105 ~]# yum install nginx -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
No package nginx available.
Error: Nothing to do
nginx is available in Amazon Linux Extra topic "nginx1"
To use, run
# sudo amazon-linux-extras install nginx1
Learn more at
```

```
† Note on end-of-support. Use 'info' subcommand.

[root@ip-172-31-10-105 ~]# vi /etc/hosts

[root@ip-172-31-10-105 ~]# ping load_balancer -c 4

PING load_balancer (3.110.103.202) 56(84) bytes of data.

64 bytes from load_balancer (3.110.103.202): icmp_seq=1 ttl=254 time=0.441 ms

64 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.850 ms

64 bytes from load_balancer (3.110.103.202): icmp_seq=3 ttl=254 time=0.480 ms

64 bytes from load_balancer (3.110.103.202): icmp_seq=3 ttl=254 time=0.915 ms

65 bytes from load_balancer (3.110.103.202): icmp_seq=4 ttl=254 time=0.915 ms

66 bytes from load_balancer (3.110.103.202): icmp_seq=4 ttl=254 time=0.915 ms

67 bytes from load_balancer (3.110.103.202): icmp_seq=4 ttl=254 time=0.915 ms

68 bytes from load_balancer (3.110.103.202): icmp_seq=4 ttl=254 time=0.915 ms

69 bytes from load_balancer (3.110.103.202): icmp_seq=4 ttl=254 time=0.915 ms

60 bytes from load_balancer (3.110.103.202): icmp_seq=4 ttl=254 time=0.915 ms

61 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

62 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

63 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

64 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

65 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

66 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

67 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

68 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

69 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

60 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

60 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

61 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

61 bytes from load_balancer (3.110.103.202): icmp_seq=2 ttl=254 time=0.480 ms

61 bytes from load_balancer
```

```
    ★ ② ② ▲ Not secure 15.207.248.183

    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.
```

HA Proxy:



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You may now add content to the directory /var/new/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/http2/corf./dwelcoxe.comf.

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

Powered by Apache

