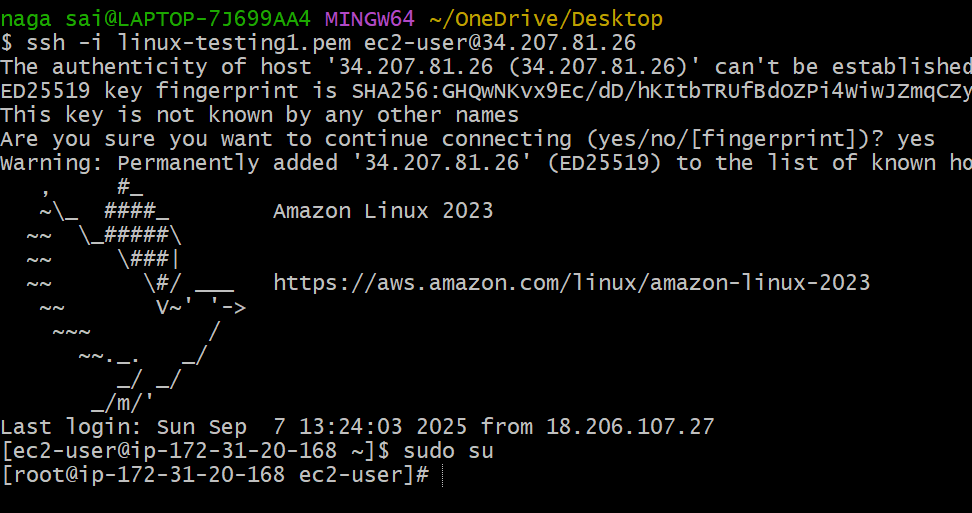
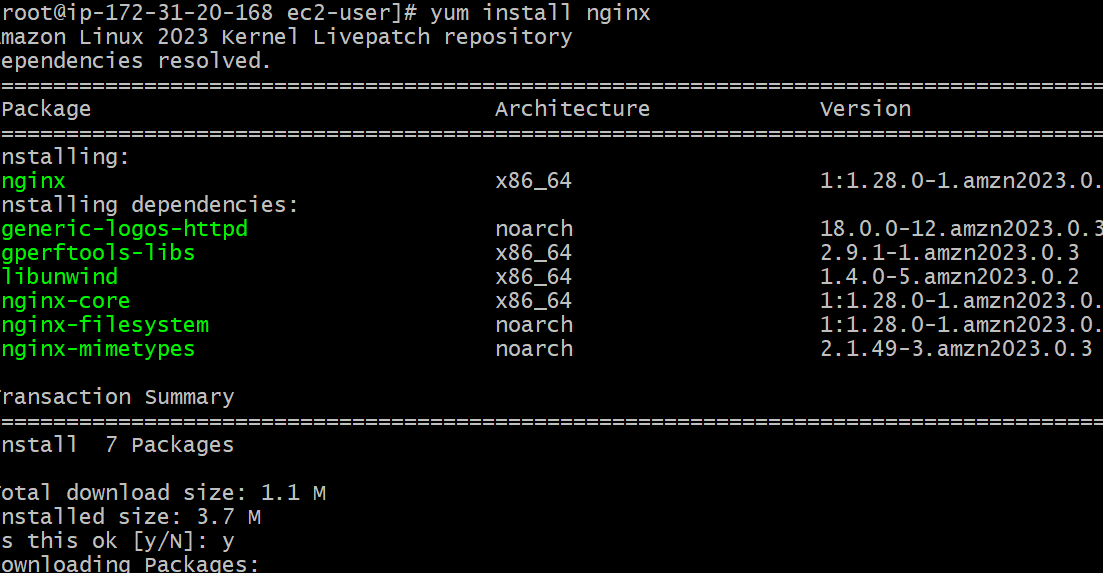
**1 .Install nginx and run nginx on port number 81.**

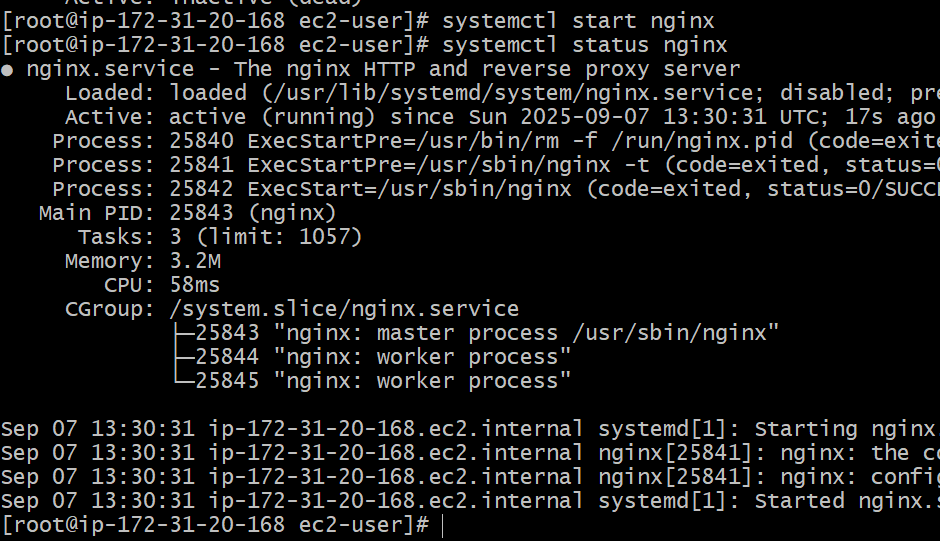
\* connect to the remote machine by using: ssh -I “key pair” pem ec2-iser@ IP address.



\* Install nginx service – yum install nginx



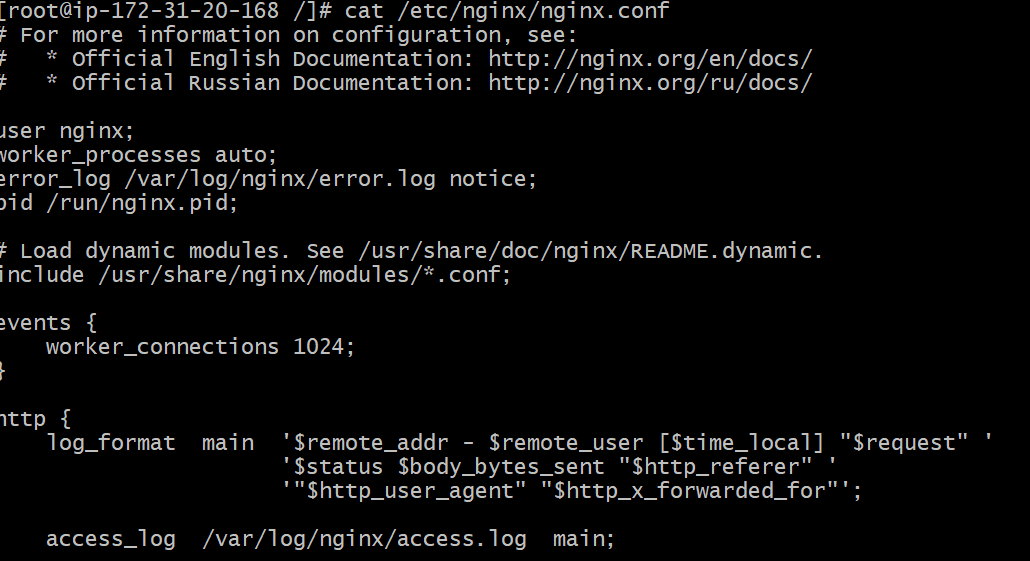
\* start the nginx service - systemctl start nginx



\*By default it was running port on 80.

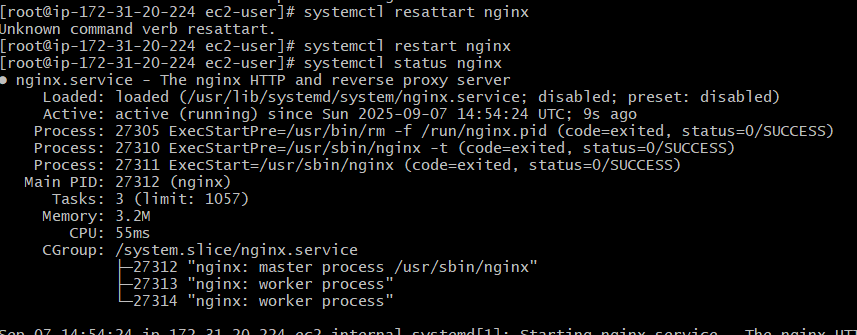


\*find the file by using : file / -name nginx.conf and go to directory cd/etc/nginx.

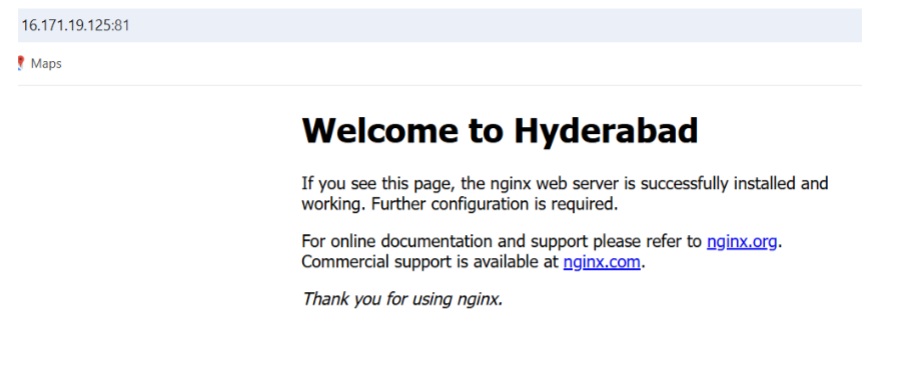


* change the configuration by from 80 to 81.



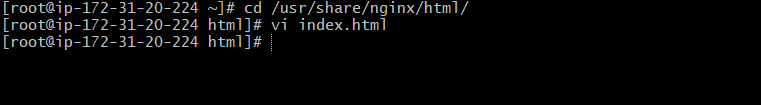
\* Restart the system by using systemctl restart nginx.

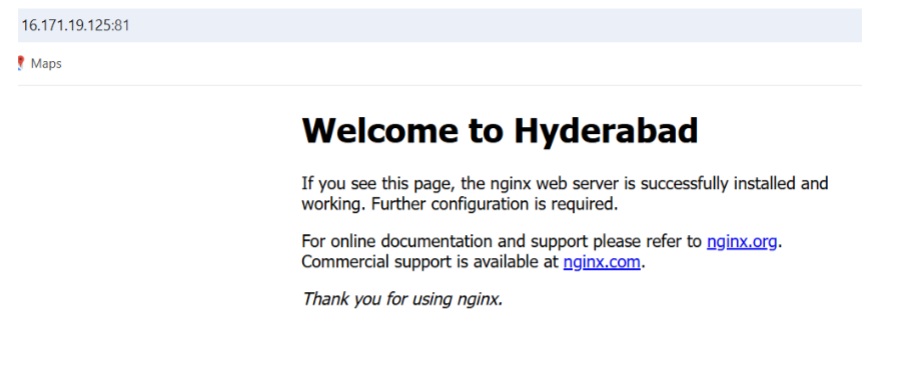
\* Now, it was running on port on 81.



**2 -Deploy the sample html webpage on port 81**.

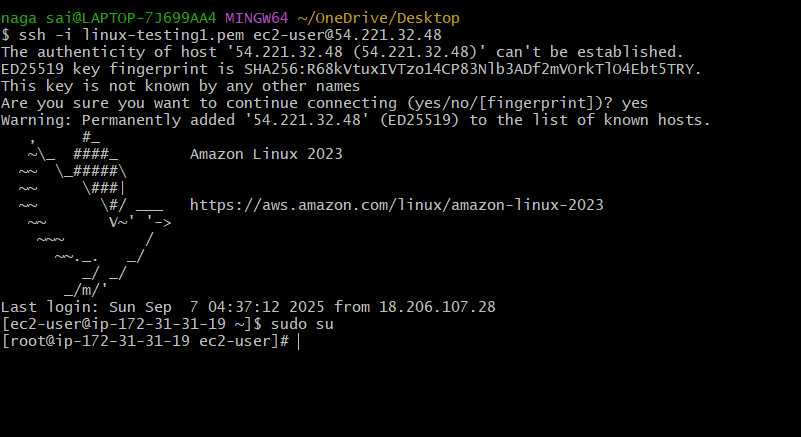
\* Go to /usr/share/nginx/html/and create a file   
index.html



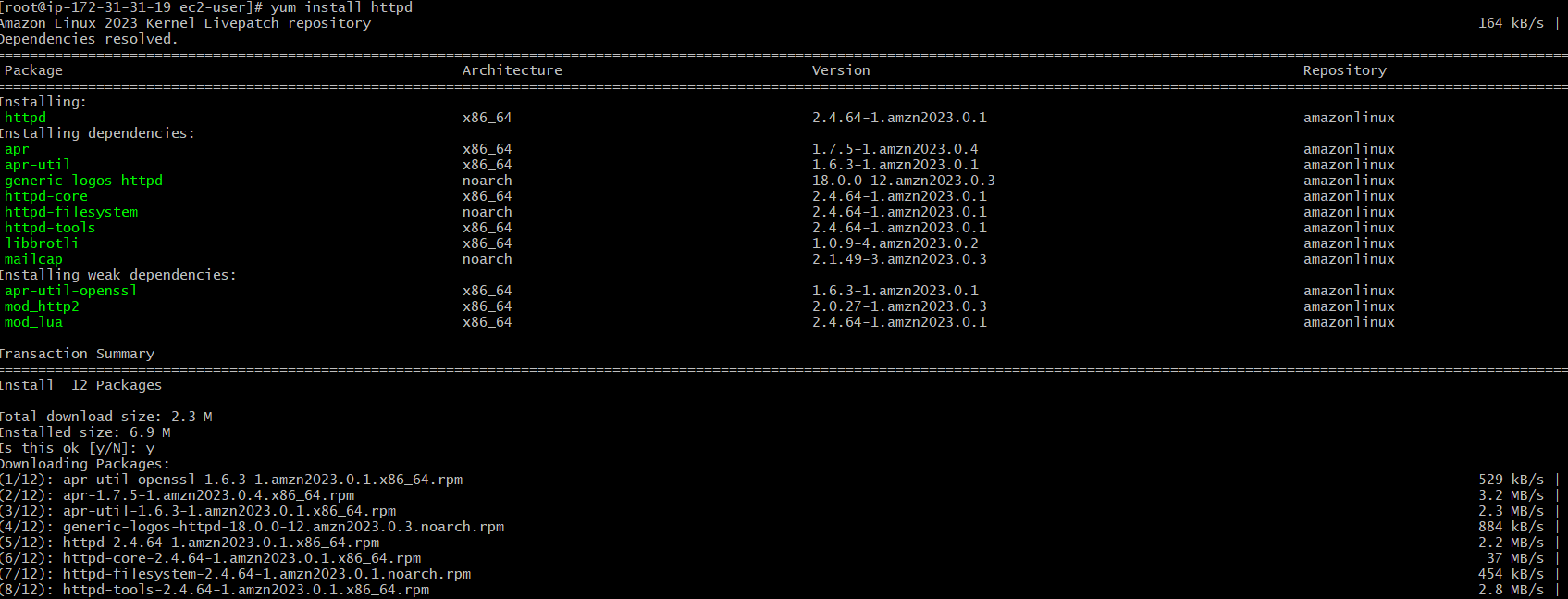
\* Now, it was running on port 81.

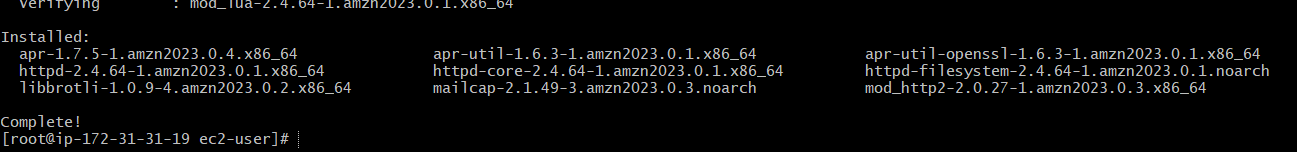
**3 .Install apache and run apache on port number 82.**

\* connect to the remote by using ssh -I pem key user@Ip address.

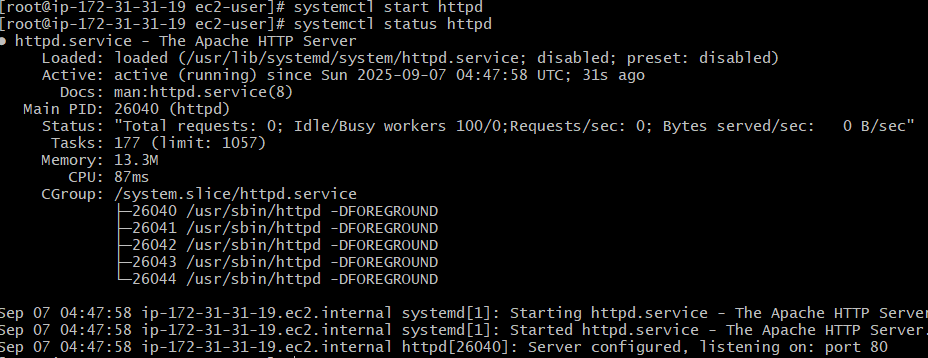


\* install the httpd by using yum install httpd.

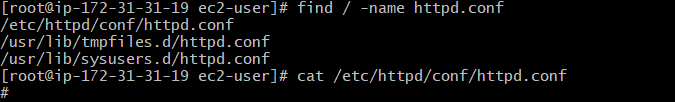




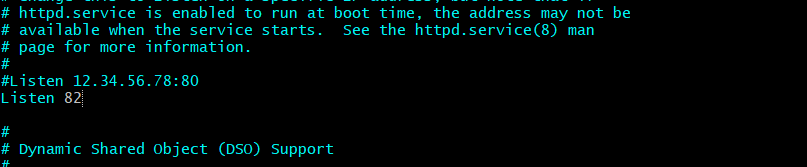
\* start the httpd by using systemctl start httpd.



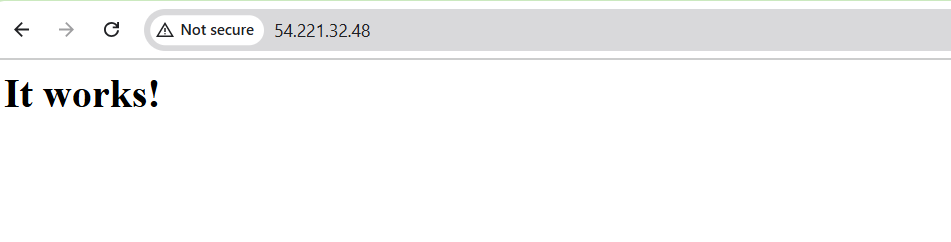
\* Go to conf file by using find / - name



\* change the conf file from 80 to 82.

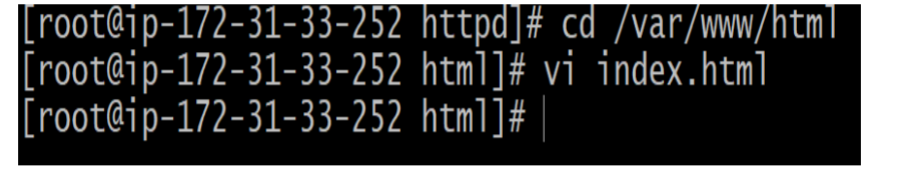


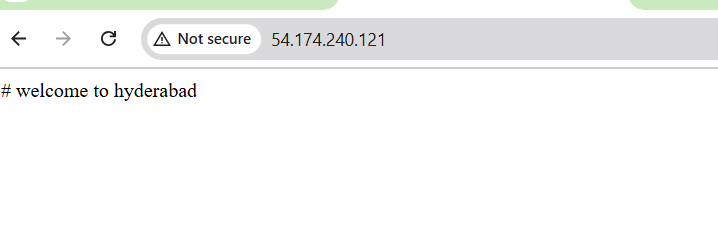
\* Now, it works on port 82.



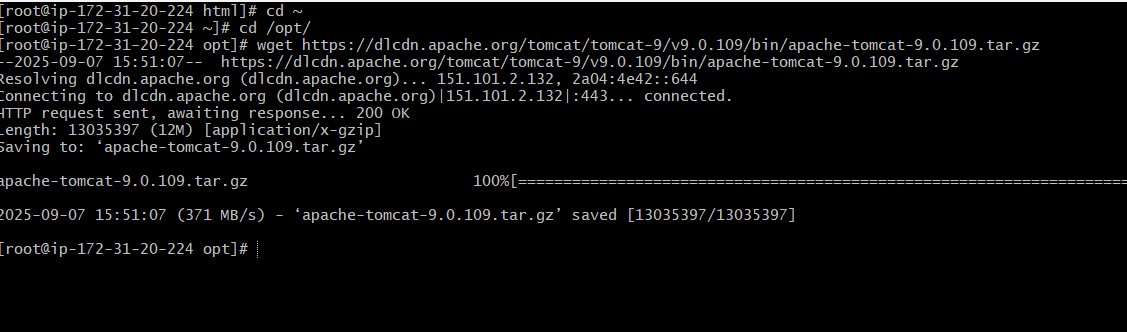
**Deploy a sample index.html page on apache**

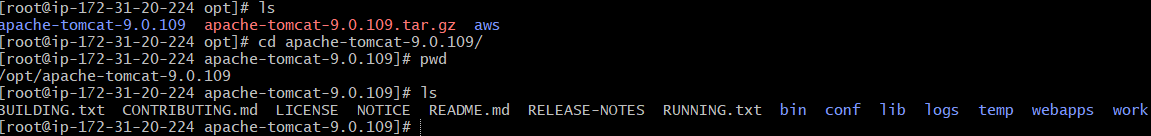
\* Go to /var/www/html/page and create html page and add data

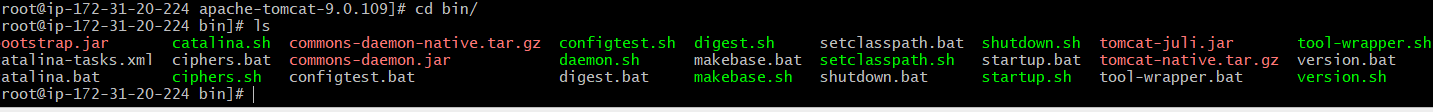




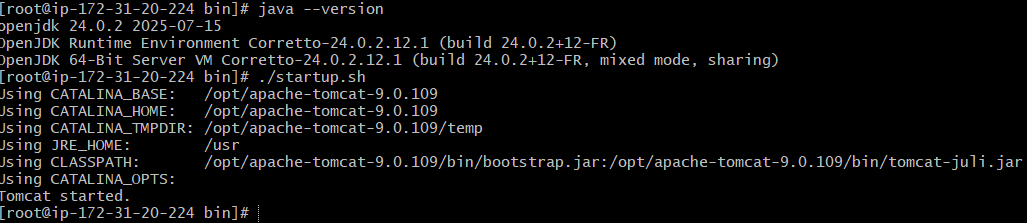
Task-5: **Install Apache tomcat on port number 8082**  
Go to google and search for apache tomcat download select version copy the link of the   
download file that is tar



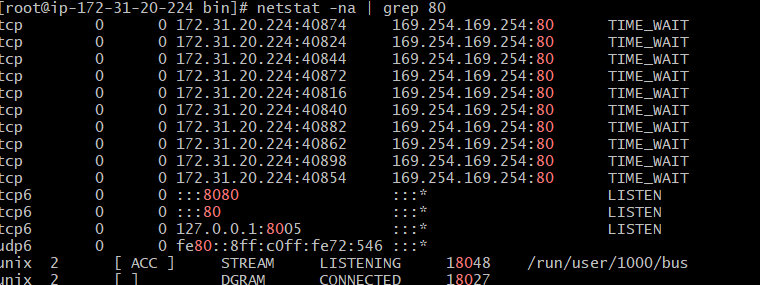
Here, we can extract the file from tar.



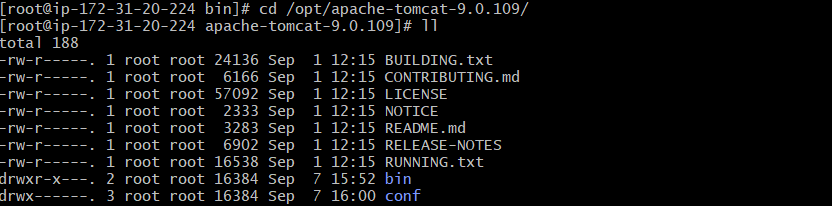
\*for apache tomcat java is mandatory. By install it by using java –version.

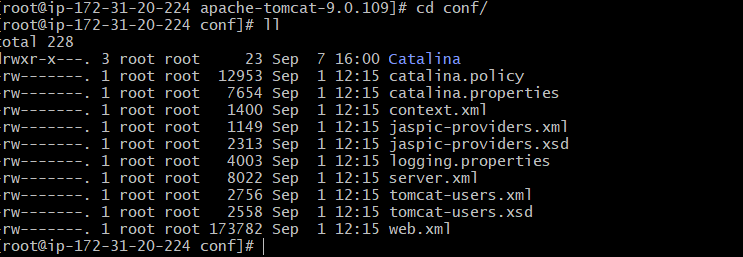


\* check by using netstat -na | grep 80.



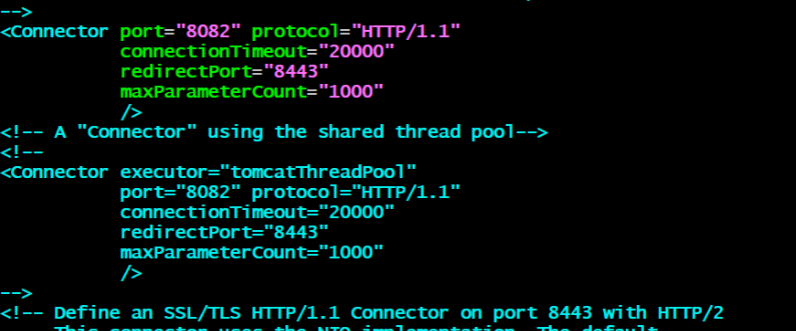


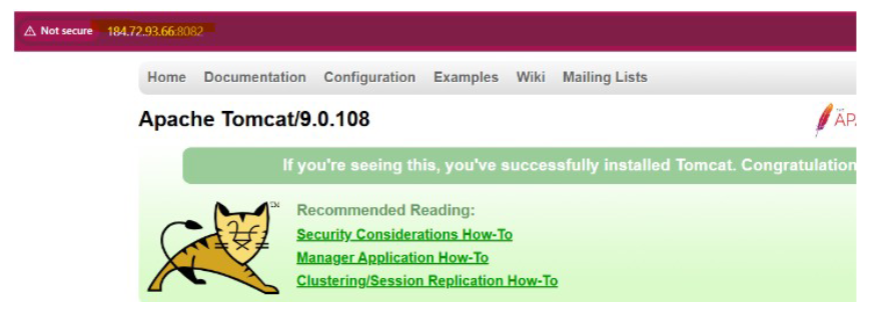


Go to conf file and edit the server.xml file

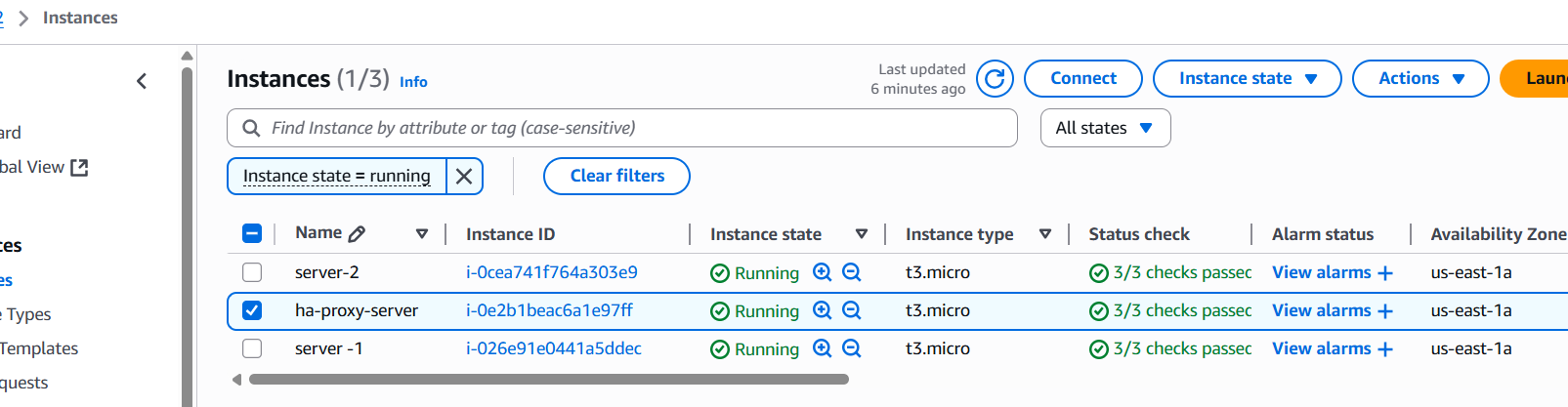


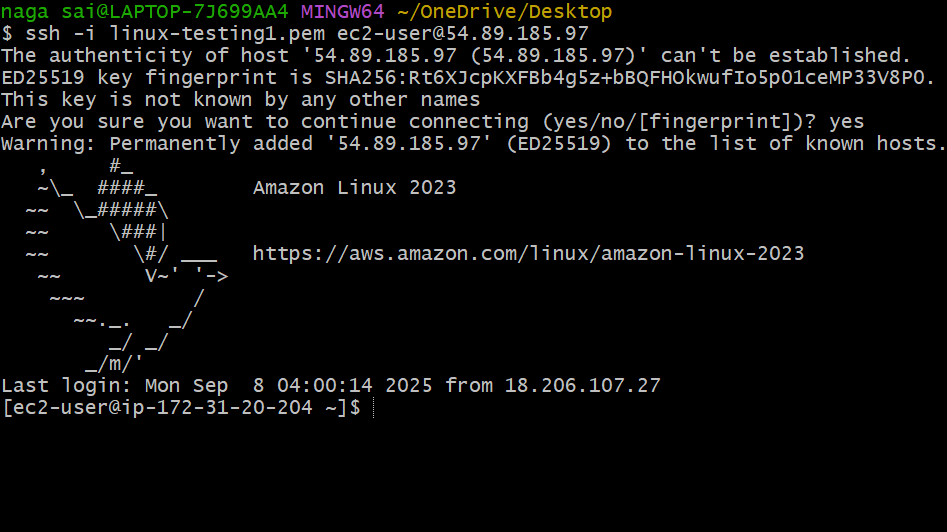
\* change the port from 80 to 8082.





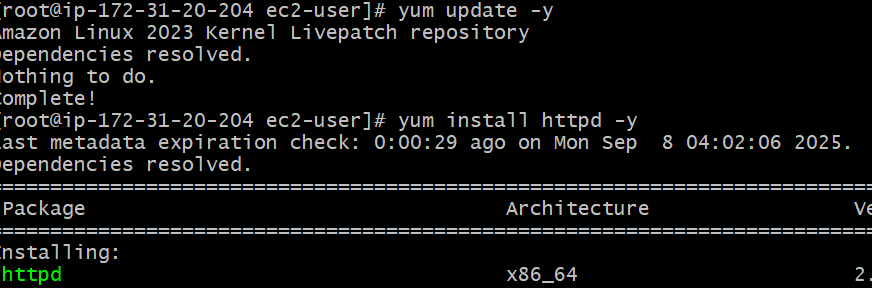
**Haproxy server**

1.launch 3 ec2 instances named as server1,server2,haproxy

Connect to the remote server by using ssh.

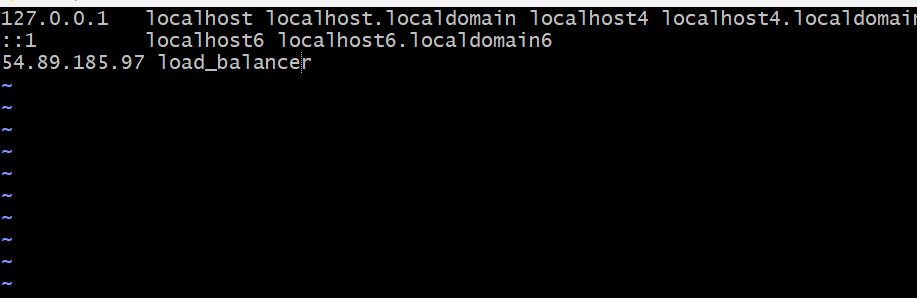
\* yum update -y

\*yum install httpd -y

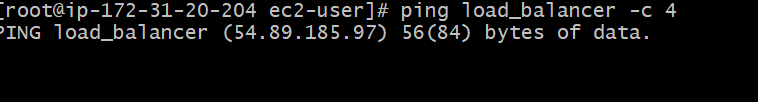


\* vi /etc/hosts

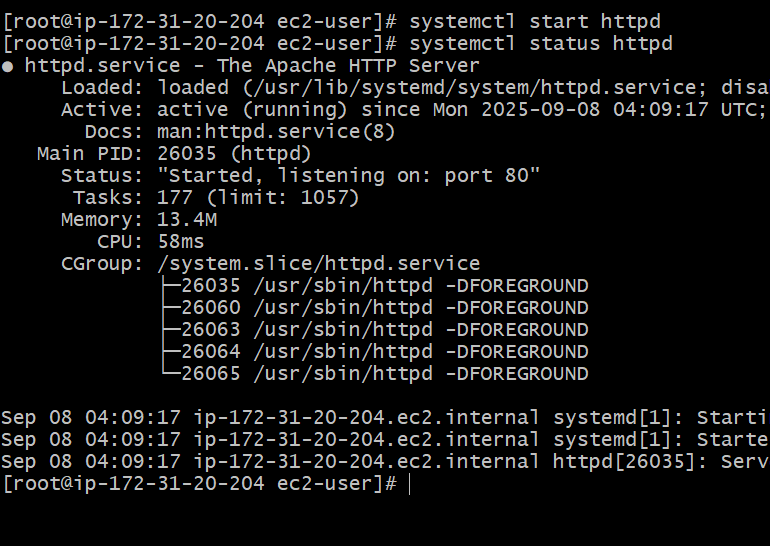
\*cat /etc/hosts



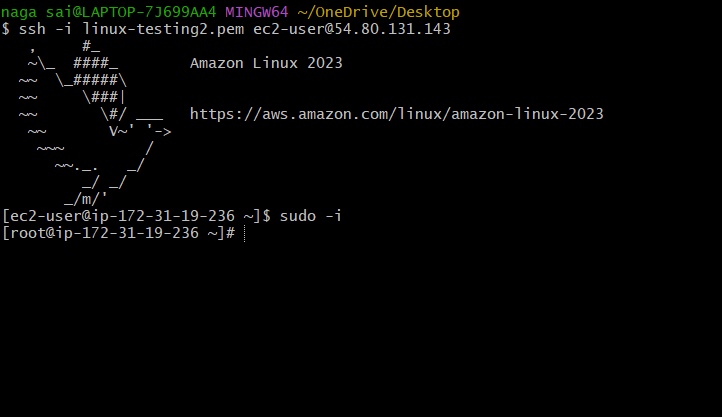
\* run below command ping load \_balancer -c 4



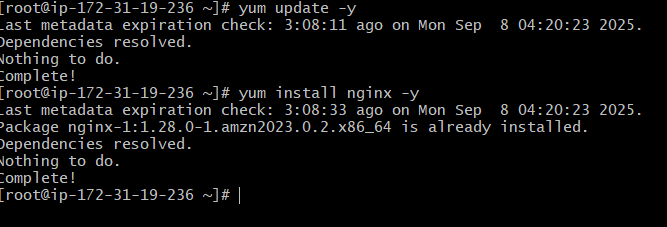
\* start the httpd by using systemctl start httpd



\* connect to remote by using ssh -I .pem user@ip address.



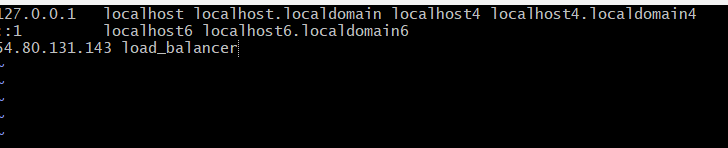
\* yum update -y



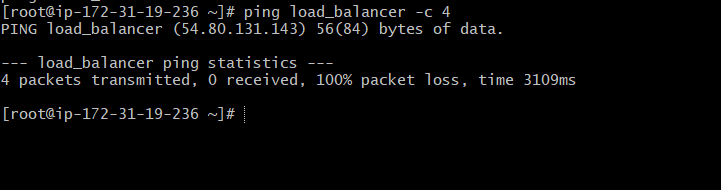
\*vi /etc/hosts

\*cat /etc/hosts

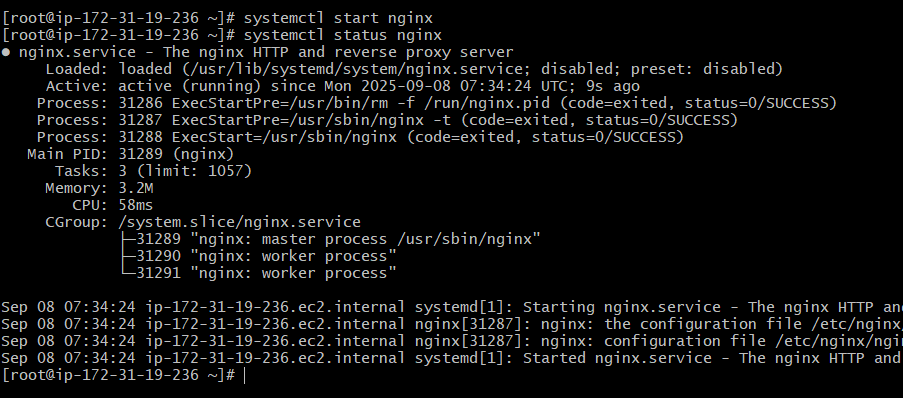
Add haproxy server public ip address



\*run below command



\*start the nginx by using systemctl start nginx



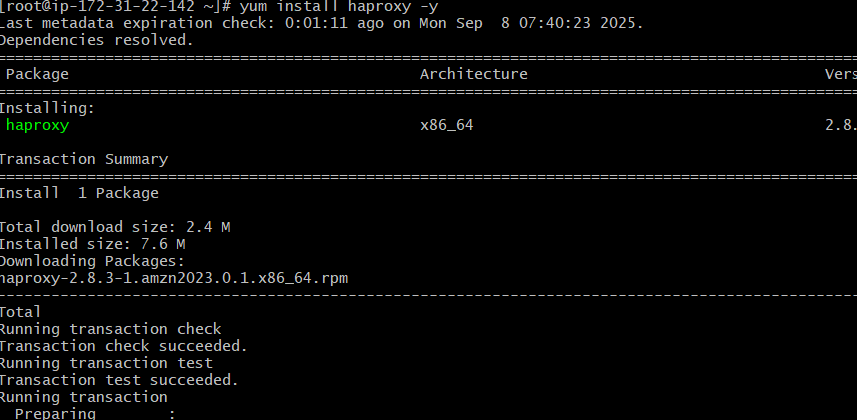
\*connect to the remote by using ssh -I .pem user@ip address.

\*sudo -i

\*yum update -y

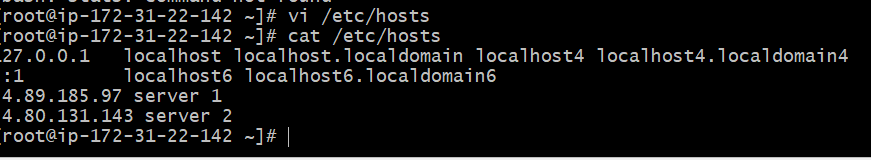


\*install haproxy by using yum install haproxy -y



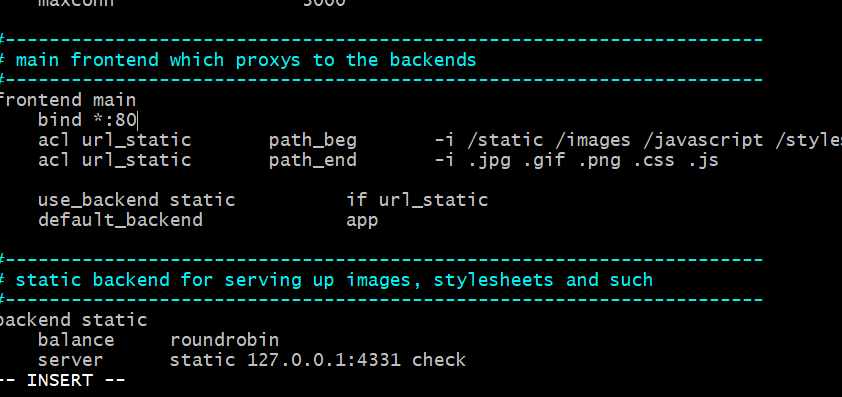
\*vi /etc/hosts

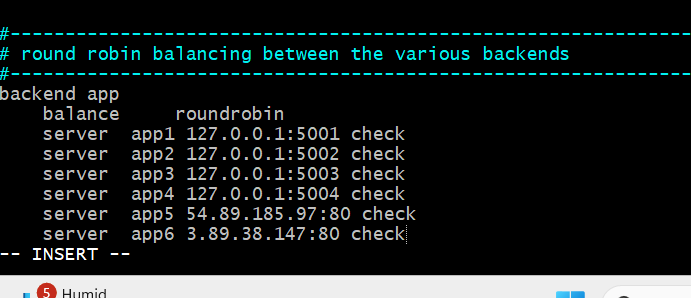
Add server1.server 2 public ip address.



\* vi/etc/haproxy/haproxy.cfg

Add server 1,server 2 public ip adrdress.





\*systemctl enable haproxy

\*systemctl start haproxy

\*systemctl status haproxy

