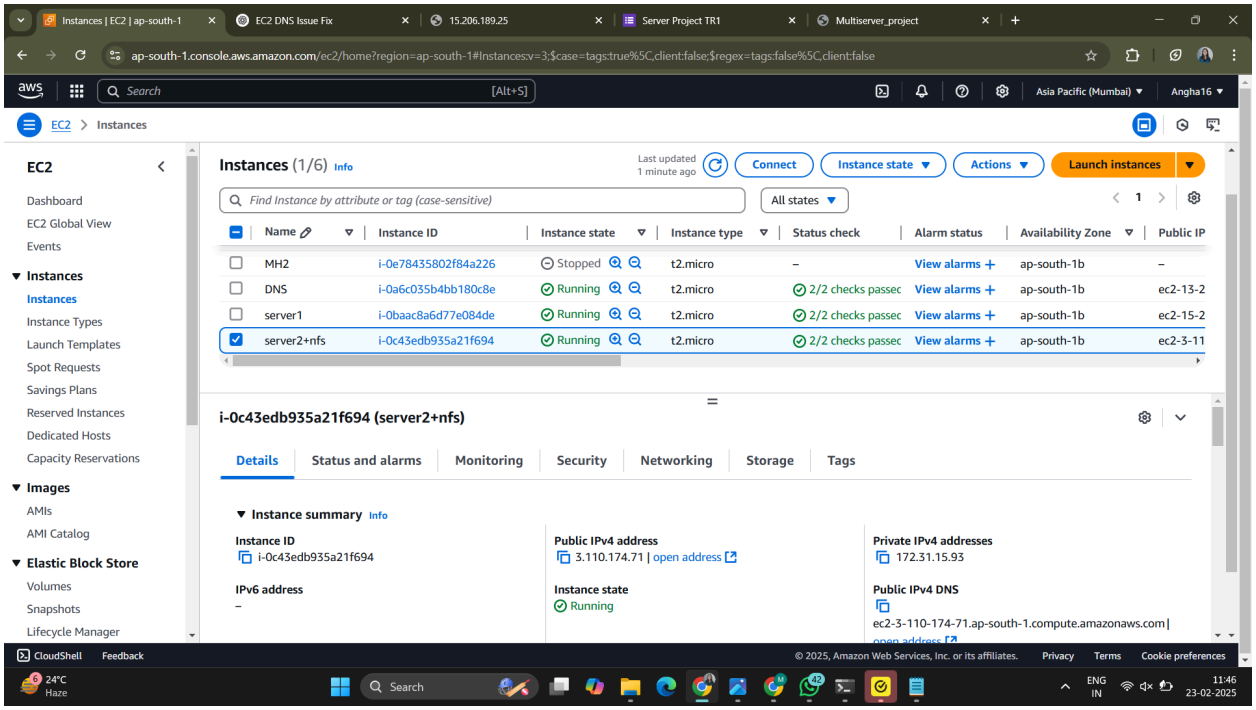
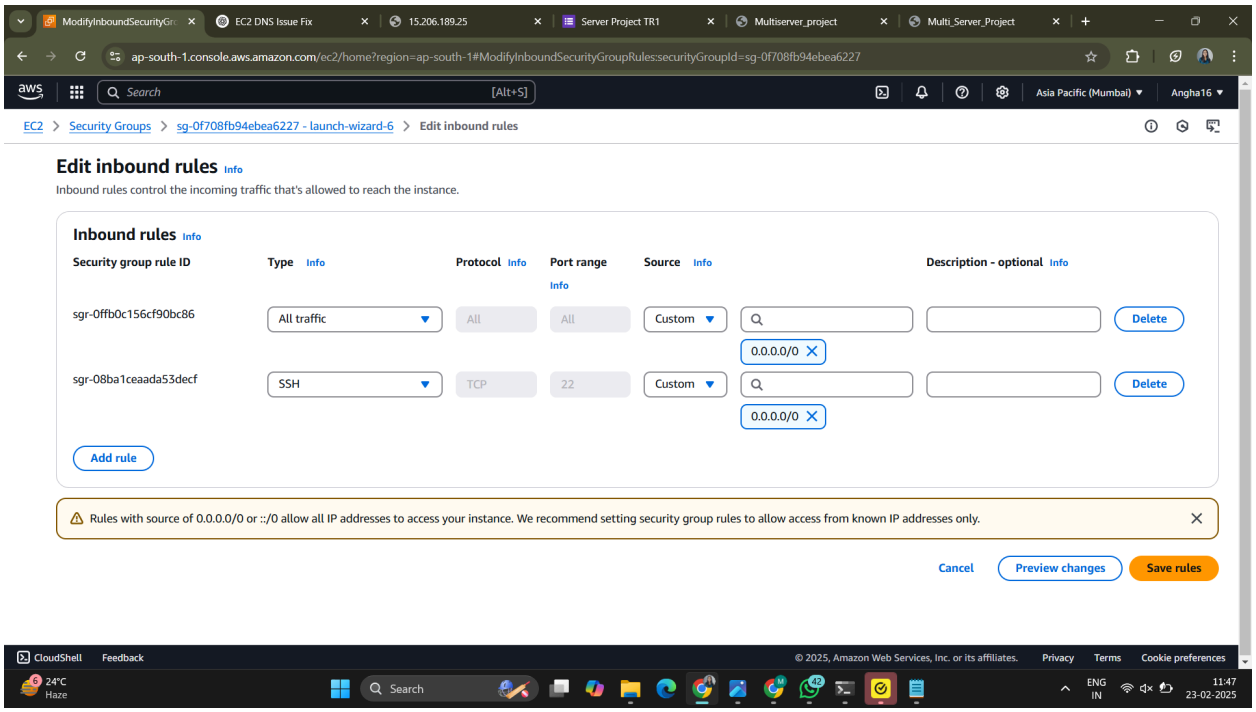


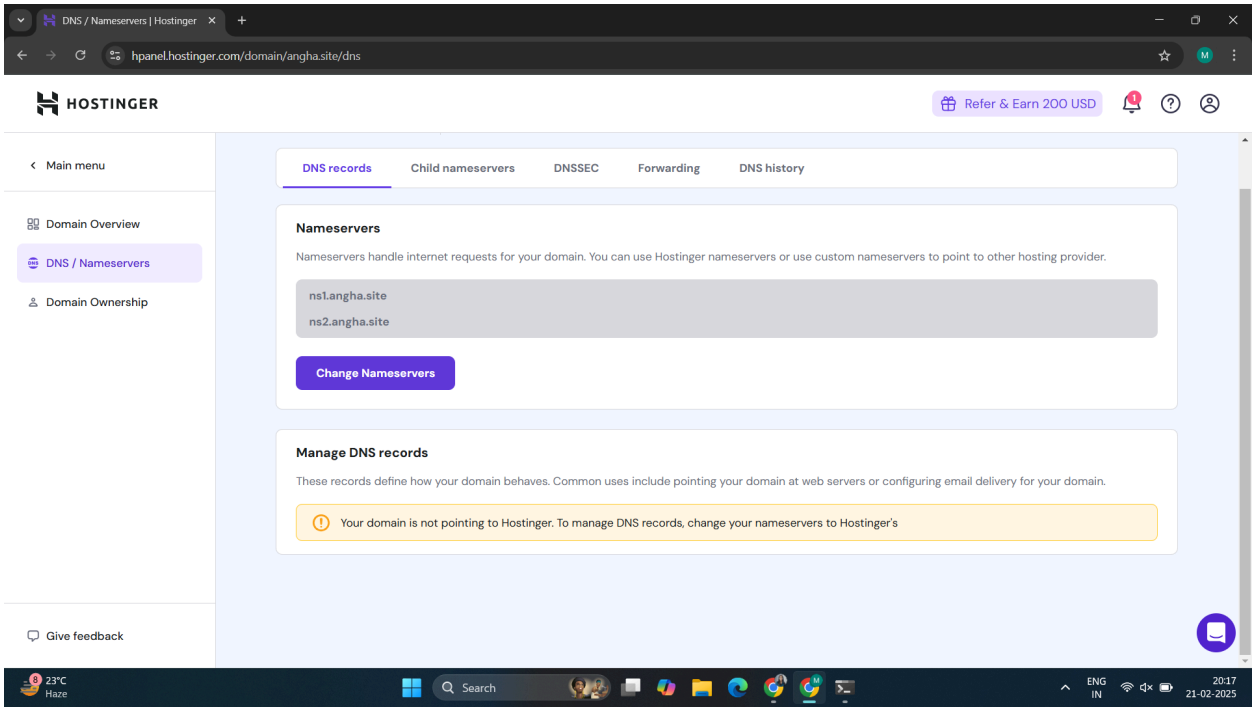
Created 3 instances :

1. DNS: For configuring DNS
2. Server1: For configuring Wordpress and database server (master)
3. Server2: For configuring database client (slave) and NFS



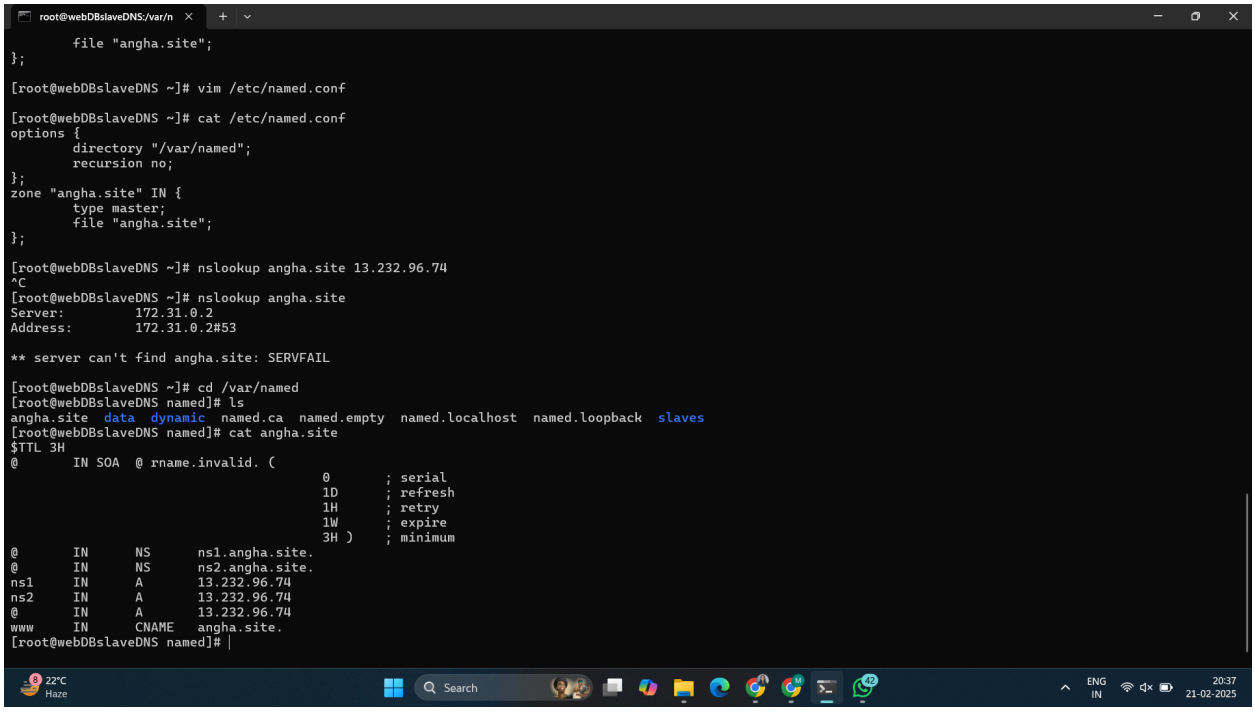
Security group added all traffic to allow Http , Https , nfs , mysql , dns

1. Dns

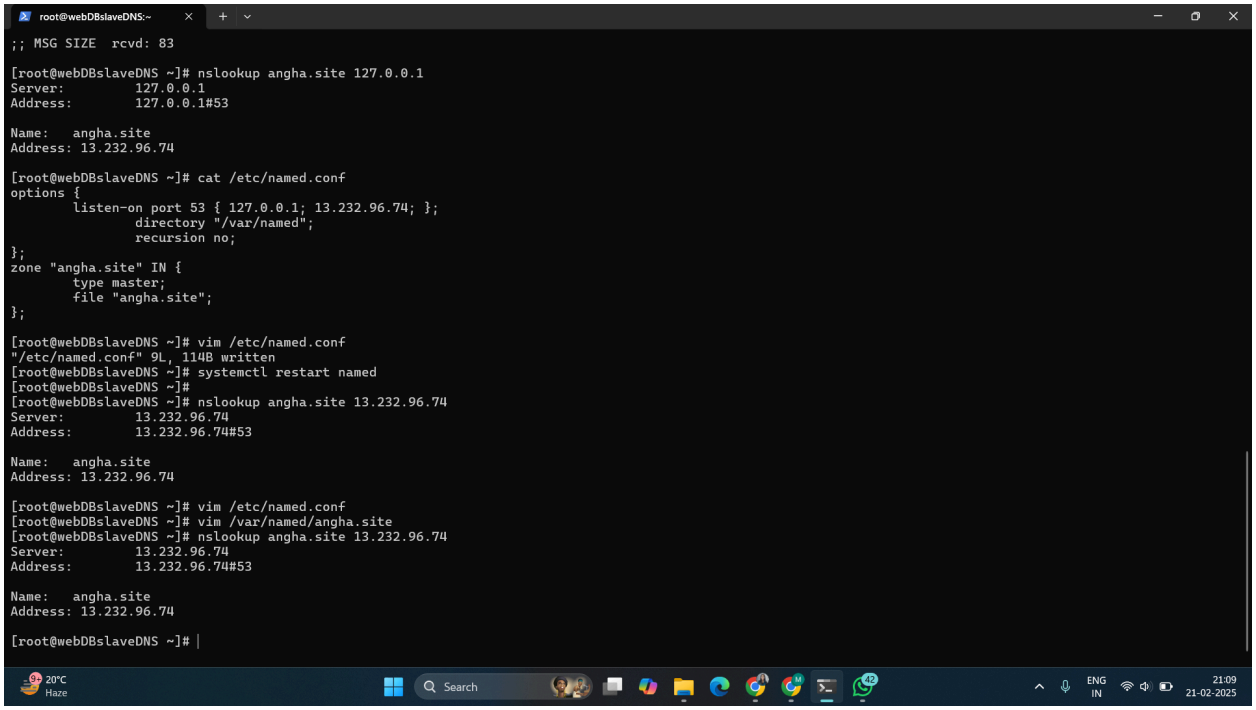


Configured name server ns1 and ns2 on angha.site

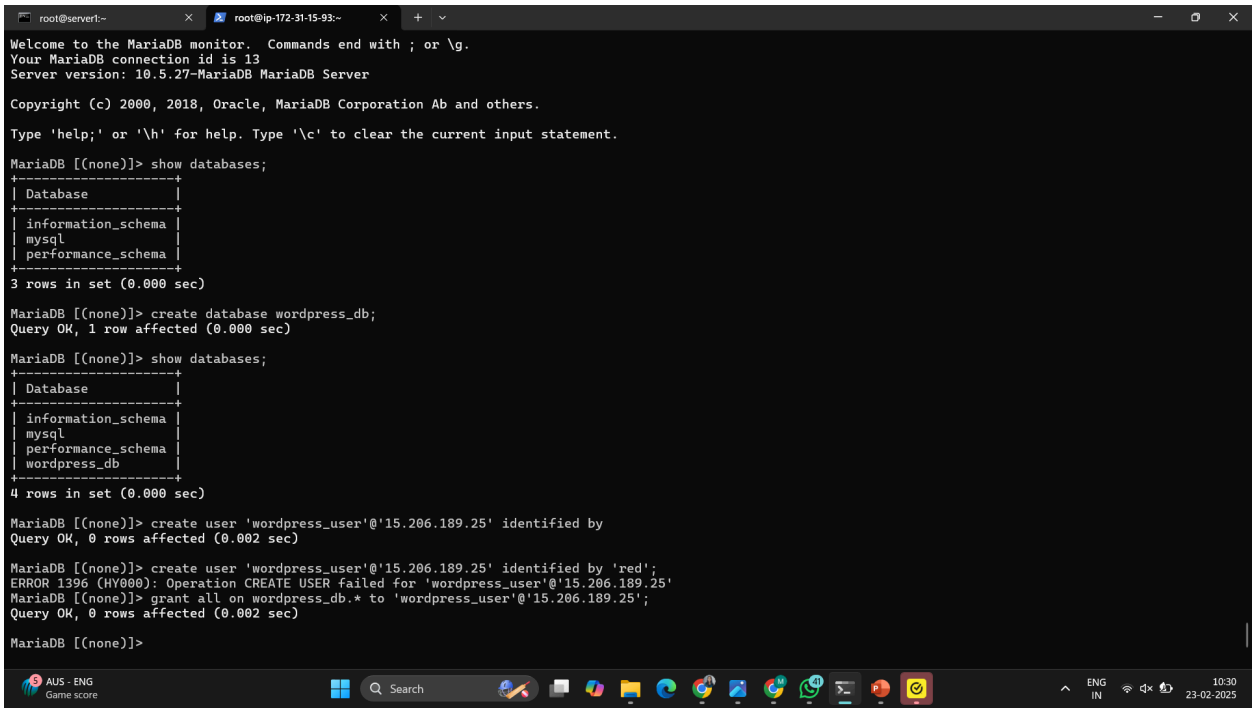
1. Made changes in /etc/named.conf
2. Created angha.site and made changes in /var/named/angha.site



Check the site if it is available using nslookup angha.site and ip



2. Configured wordpress and database on both server and client

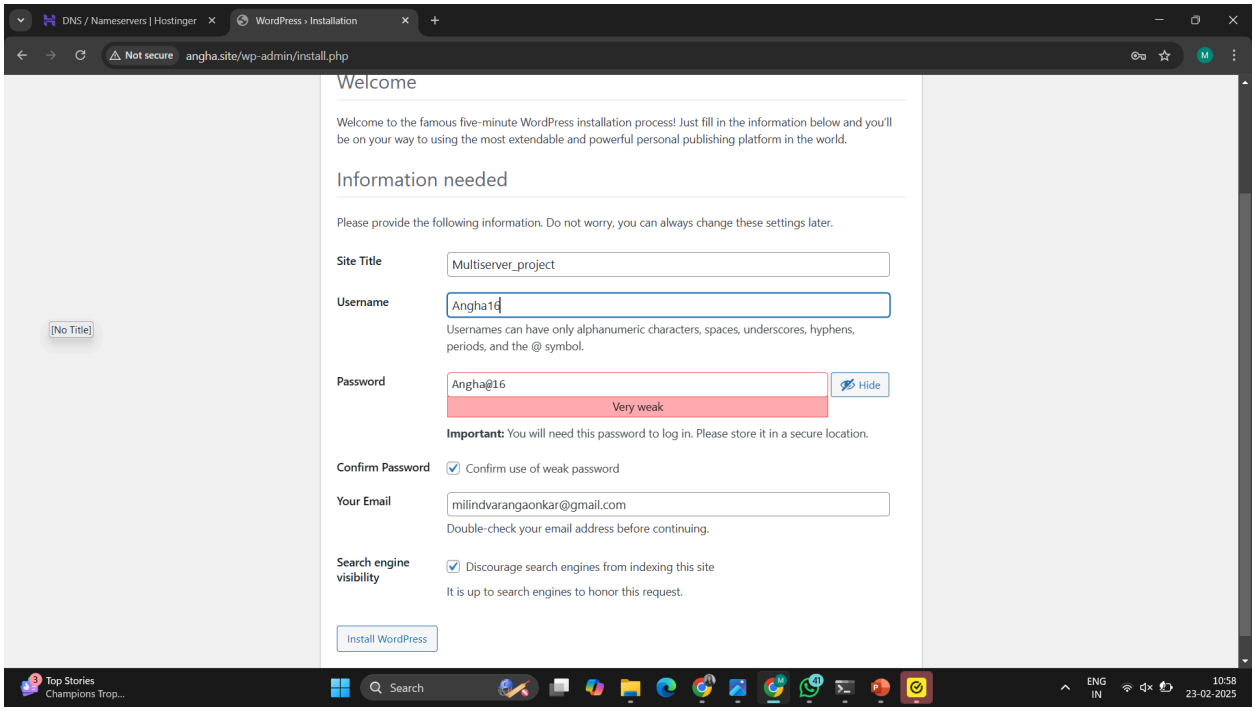


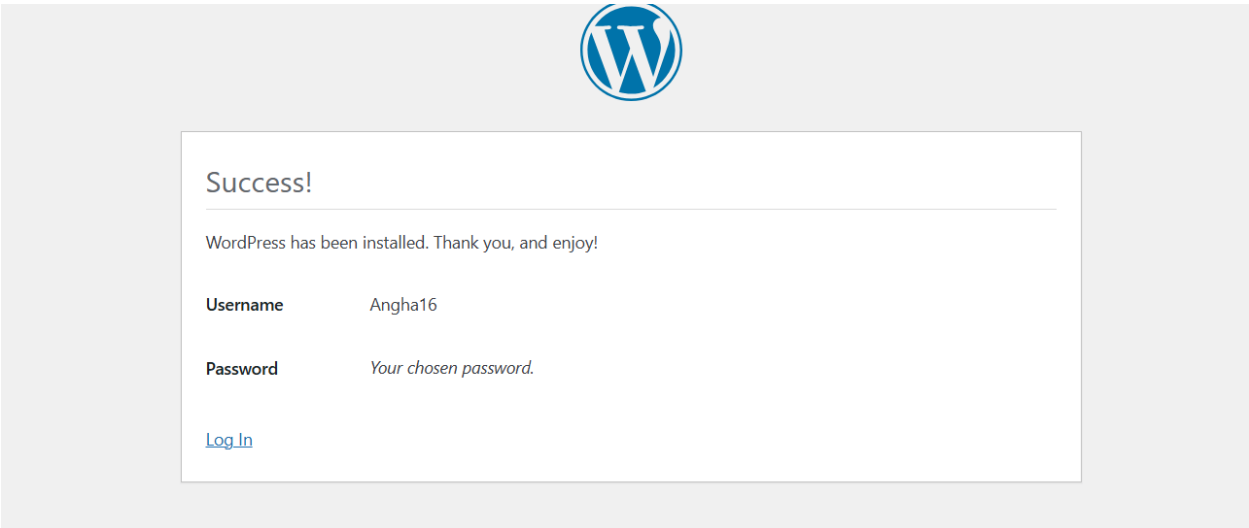
Created database named wordpress_db and a user named wordpress_user with password red

Now we accessed the user on server 1

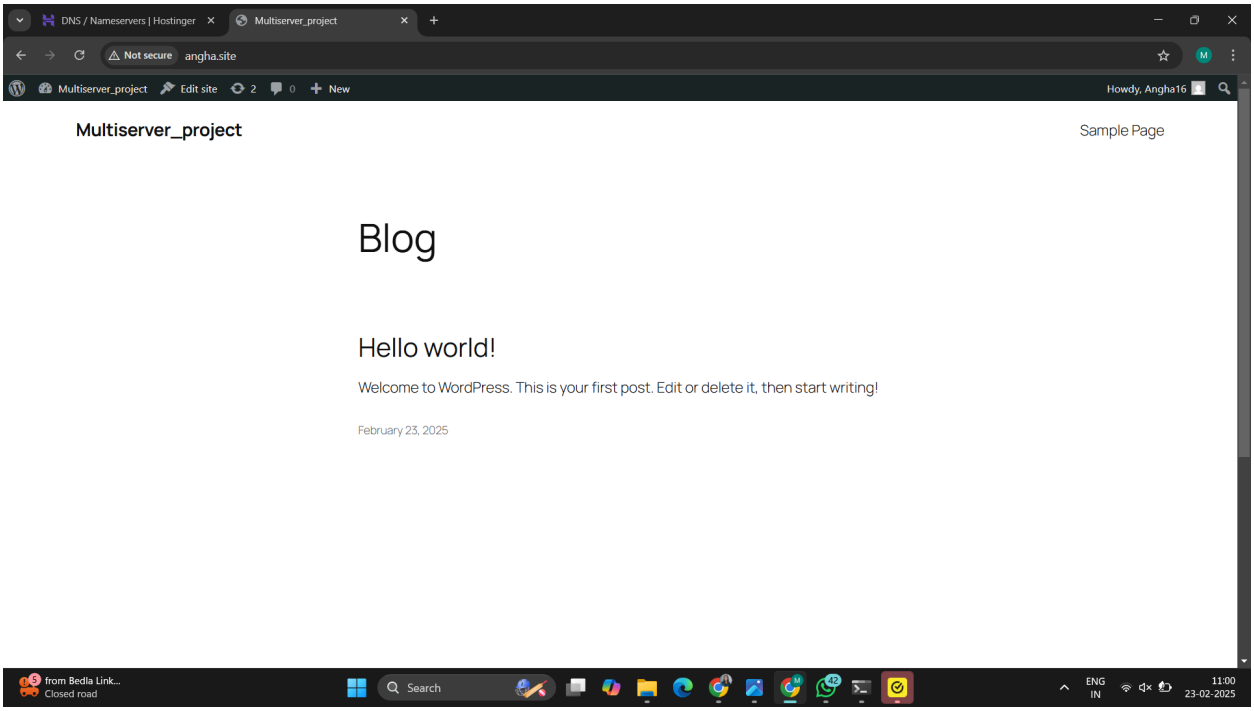
```
  perl-Text-ParseWords-3.30-460.el9.noarch
  perl-Text-Tabs+Wrap-2013.0523-460.el9.noarch
  perl-Time-Local-2:1.300-7.el9.noarch
  perl-URI-5.09-3.el9.noarch
  perl-base-2.27-481.el9.noarch
  perl-constant-1.33-461.el9.noarch
  perl-if-0.60.800-481.el9.noarch
  perl-interpreter-4:5.32.1-481.el9.x86_64
  perl-libnet-3.13-4.el9.noarch
  perl-libs-4:5.32.1-481.el9.x86_64
  perl-mro-1.23-481.el9.x86_64
  perl-overload-1.31-481.el9.noarch
  perl-overloading-0.02-481.el9.noarch
  perl-parent-1:0.238-460.el9.noarch
  perl-podlators-1:4.14-460.el9.noarch
  perl-subs-1.03-481.el9.noarch
  perl-vars-1.05-481.el9.noarch
  slf4j-1.7.30-14.el9_5.noarch
  tzdata-java-2025a-1.el9.noarch
  unixODBC-2.3.9-4.el9.x86_64
  zlib-devel-1.2.11-40.el9.x86_64

Complete!
[root@server1 ~]# mysql -u wordpress_user -h 3.110.174.71 -p
Enter password:
ERROR 1045 (28000): Access denied for user 'wordpress_user'@'15.206.189.25' (using password: YES)
[root@server1 ~]# mysql -u wordpress_user -h 3.110.174.71 -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 15
Server version: 10.5.27-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> exit
Bye
[root@server1 ~]#
```

Was able to access the user



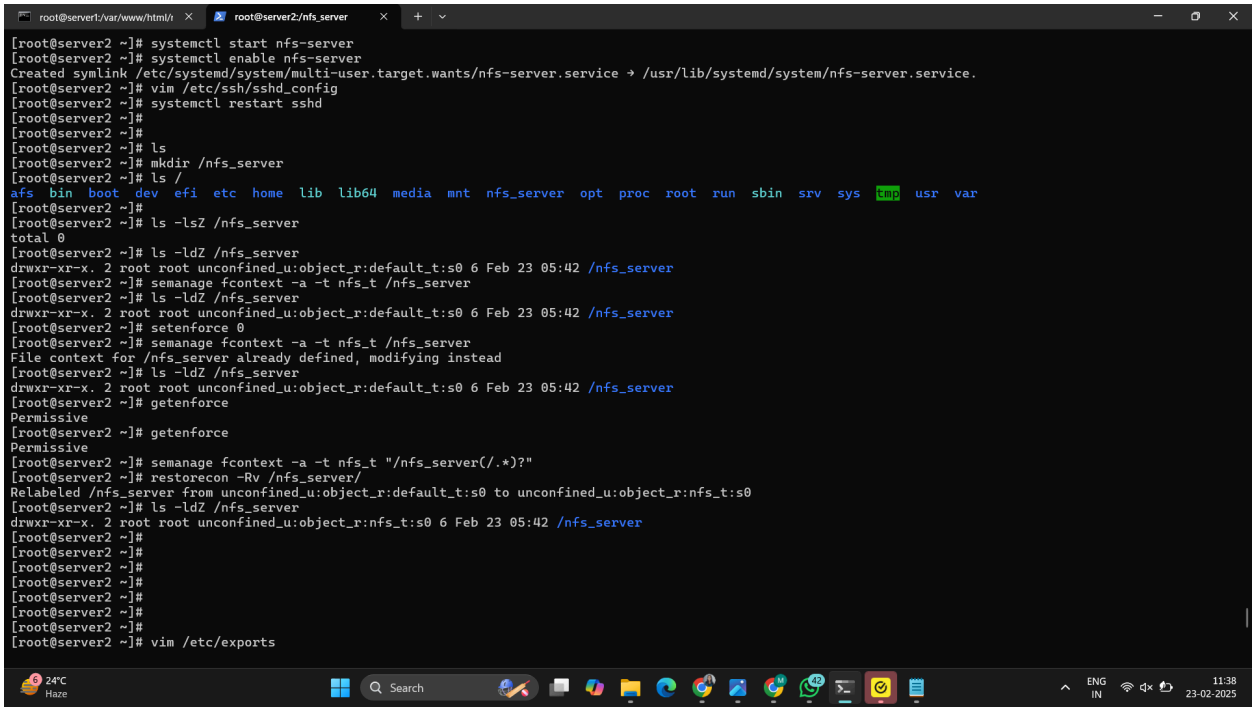


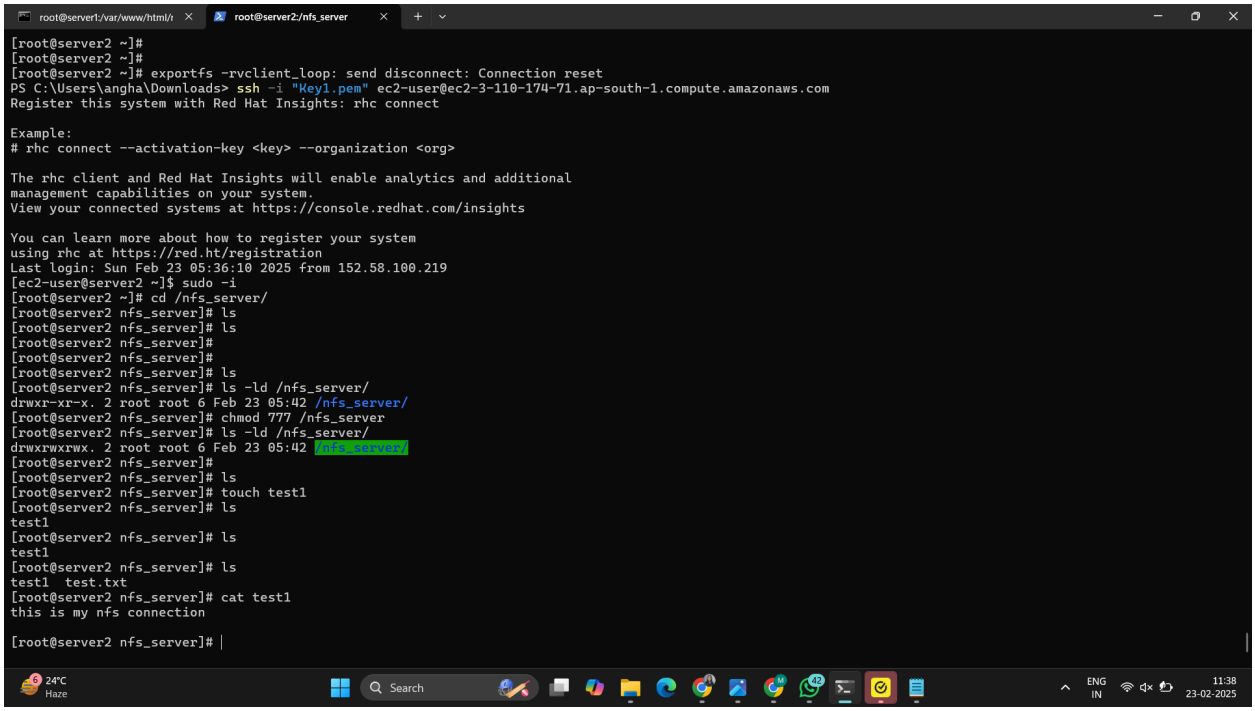
So on search angha.site on chrome we get this website

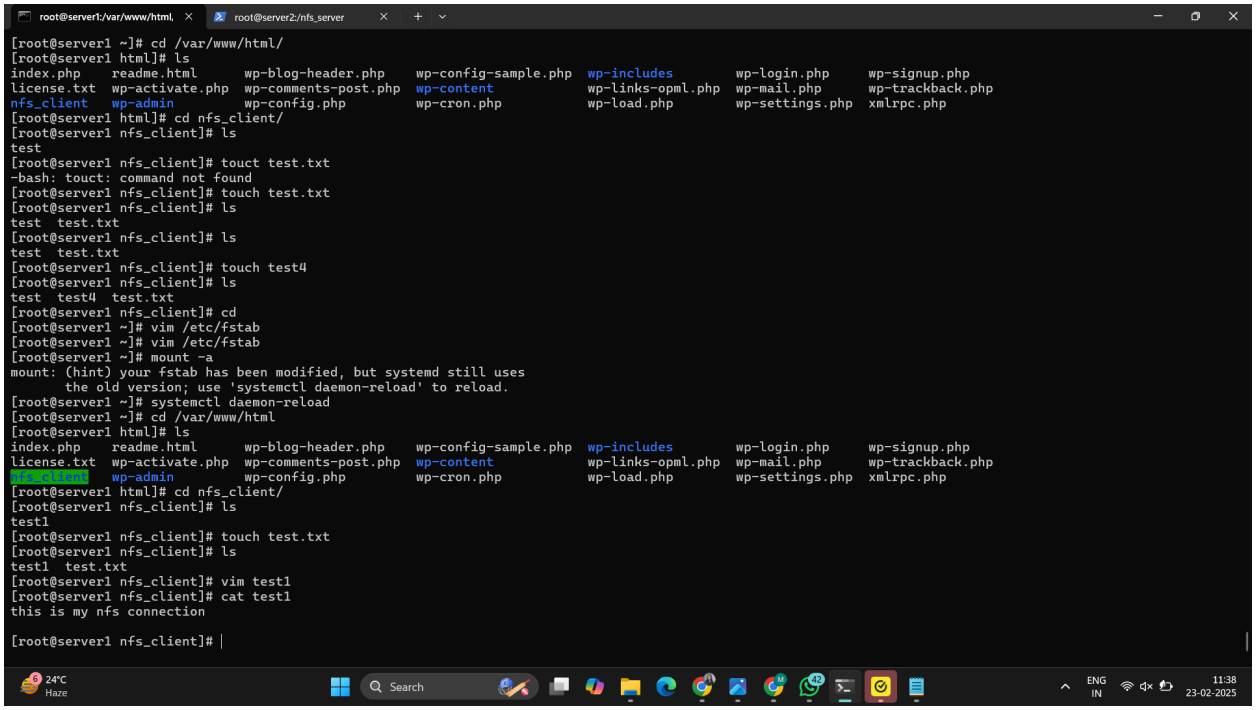


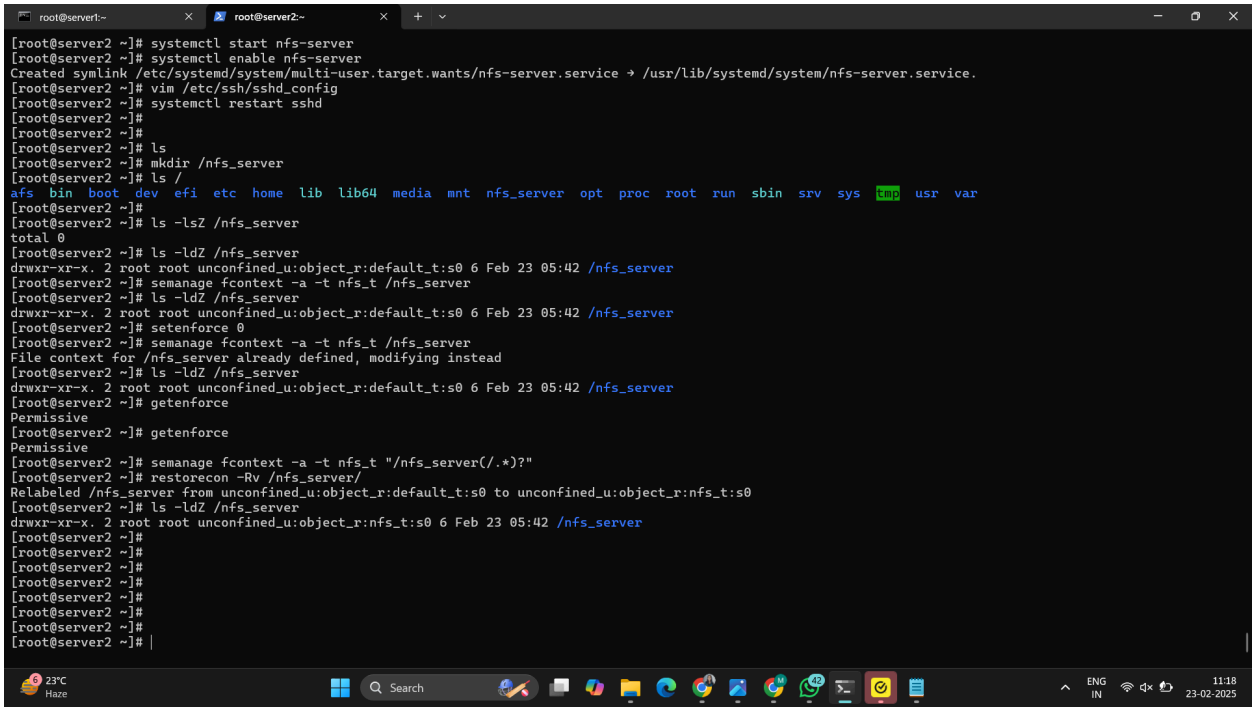
3: configured nfs
We created nfs_server on server 2 and nfs_client on server1
And make entries in /etc/exports on server2 and gave the read and write permission
/nfs_server *(rw,sync)
 exportfs -rv (to refresh and check the export)

Made entry in fstab and mounted the /nfs_server with /nfs_client


root@server1:/var/www/html/r
root@server2:/nfs_server
[root@server2 ~]# systemctl start nfs-server
[root@server2 ~]# systemctl enable nfs-server
Created symlink /etc/systemd/system/multi-user.target.wants/nfs-server.service → /usr/lib/systemd/system/nfs-server.service.
[root@server2 ~]# vim /etc/ssh/sshd_config
[root@server2 ~]# systemctl restart sshd
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]# ls
[root@server2 ~]# mkdir /nfs_server
[root@server2 ~]# ls /
afs bin boot dev efi etc home lib lib64 media mnt nfs_server opt proc root run sbin srv sys tmp usr var
[root@server2 ~]#
[root@server2 ~]# ls -lsZ /nfs_server
total 0
[root@server2 ~]# ls -ldZ /nfs_server
drwxr-xr-x. 2 root root unconfined_u:object_r:default_t:s0 6 Feb 23 05:42 /nfs_server
[root@server2 ~]# semanage fcontext -a -t nfs_t /nfs_server
[root@server2 ~]# ls -ldZ /nfs_server
drwxr-xr-x. 2 root root unconfined_u:object_r:default_t:s0 6 Feb 23 05:42 /nfs_server
[root@server2 ~]# setenforce 0
[root@server2 ~]# semanage fcontext -a -t nfs_t /nfs_server
File context for /nfs_server already defined, modifying instead
[root@server2 ~]# ls -ldZ /nfs_server
drwxr-xr-x. 2 root root unconfined_u:object_r:default_t:s0 6 Feb 23 05:42 /nfs_server
[root@server2 ~]# getenforce
Permissive
[root@server2 ~]# getenforce
Permissive
[root@server2 ~]# semanage fcontext -a -t nfs_t "/nfs_server(/.*)?"
[root@server2 ~]# restorecon -Rv /nfs_server/
Relabeled /nfs_server from unconfined_u:object_r:default_t:s0 to unconfined_u:object_r:nfs_t:s0
[root@server2 ~]# ls -ldZ /nfs_server
drwxr-xr-x. 2 root root unconfined_u:object_r:nfs_t:s0 6 Feb 23 05:42 /nfs_server
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]# vim /etc/exports
24°C
Haze
Search
ENG
IN
11:38
23-02-2025


root@server1:/var/www/html/r
root@server2:/nfs_server
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]# exportfs -rvclient_loop: send disconnect: Connection reset
PS C:\Users\angha\Downloads> ssh -i "Key1.pem" ec2-user@ec2-3-110-174-71.ap-south-1.compute.amazonaws.com
Register this system with Red Hat Insights: rhc connect
Example:
rhc connect --activation-key <key> --organization <org>
The rhc client and Red Hat Insights will enable analytics and additional
management capabilities on your system.
View your connected systems at https://console.redhat.com/insights
You can learn more about how to register your system
using rhc at https://red.ht/registration
Last login: Sun Feb 23 05:36:10 2025 from 152.58.100.219
[ec2-user@server2 ~]$ sudo -i
[root@server2 ~]# cd /nfs_server/
[root@server2 nfs_server]# ls
[root@server2 nfs_server]# ls
[root@server2 nfs_server]#
[root@server2 nfs_server]#
[root@server2 nfs_server]# ls
[root@server2 nfs_server]# ls -ld /nfs_server/
drwxr-xr-x. 2 root root 6 Feb 23 05:42 /nfs_server/
[root@server2 nfs_server]# chmod 777 /nfs_server
[root@server2 nfs_server]# ls -ld /nfs_server/
drwxrwxrwx. 2 root root 6 Feb 23 05:42 /nfs_server/
[root@server2 nfs_server]#
[root@server2 nfs_server]# ls
[root@server2 nfs_server]# touch test1
[root@server2 nfs_server]# ls
test1
[root@server2 nfs_server]# ls
test1
[root@server2 nfs_server]# ls
test1 test.txt
[root@server2 nfs_server]# cat test1
this is my nfs connection
[root@server2 nfs_server]#
24°C
Haze
Search
ENG
IN
11:38
23-02-2025


root@server1:/var/www/html
root@server2:/nfs_server
[root@server1 ~]# cd /var/www/html/
[root@server1 html]# ls
index.php readme.html wp-blog-header.php wp-config-sample.php wp-includes wp-login.php wp-signup.php
license.txt wp-activate.php wp-comments-post.php wp-content wp-links-opml.php wp-mail.php wp-trackback.php
nfs_client wp-admin wp-config.php wp-cron.php wp-load.php wp-settings.php xmlrpc.php
[root@server1 html]# cd nfs_client/
[root@server1 nfs_client]# ls
test
[root@server1 nfs_client]# touct test.txt
-bash: touct: command not found
[root@server1 nfs_client]# touch test.txt
[root@server1 nfs_client]# ls
test test.txt
[root@server1 nfs_client]# ls
test test.txt
[root@server1 nfs_client]# touch test4
[root@server1 nfs_client]# ls
test test4 test.txt
[root@server1 nfs_client]# cd
[root@server1 ~]# vim /etc/fstab
[root@server1 ~]# vim /etc/fstab
[root@server1 ~]# mount -a
mount: (hint) your fstab has been modified, but systemd still uses
the old version; use 'systemctl daemon-reload' to reload.
[root@server1 ~]# systemctl daemon-reload
[root@server1 ~]# cd /var/www/html
[root@server1 html]# ls
index.php readme.html wp-blog-header.php wp-config-sample.php wp-includes wp-login.php wp-signup.php
license.txt wp-activate.php wp-comments-post.php wp-content wp-links-opml.php wp-mail.php wp-trackback.php
nfs_client wp-admin wp-config.php wp-cron.php wp-load.php wp-settings.php xmlrpc.php
[root@server1 html]# cd nfs_client/
[root@server1 nfs_client]# ls
test1
[root@server1 nfs_client]# touch test.txt
[root@server1 nfs_client]# ls
test1 test.txt
[root@server1 nfs_client]# vim test1
[root@server1 nfs_client]# cat test1
this is my nfs connection
[root@server1 nfs_client]#
24°C
Haze
Search
ENG
IN
11:38
23-02-2025


root@server1:~
root@server2:~
[root@server2 ~]# systemctl start nfs-server
[root@server2 ~]# systemctl enable nfs-server
Created symlink /etc/systemd/system/multi-user.target.wants/nfs-server.service → /usr/lib/systemd/system/nfs-server.service.
[root@server2 ~]# vim /etc/ssh/sshd_config
[root@server2 ~]# systemctl restart sshd
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]# ls
[root@server2 ~]# mkdir /nfs_server
[root@server2 ~]# ls /
afs bin boot dev efi etc home lib lib64 media mnt nfs_server opt proc root run sbin srv sys tmp usr var
[root@server2 ~]#
[root@server2 ~]# ls -lsZ /nfs_server
total 0
[root@server2 ~]# ls -ldZ /nfs_server
drwxr-xr-x. 2 root root unconfined_u:object_r:default_t:s0 6 Feb 23 05:42 /nfs_server
[root@server2 ~]# semanage fcontext -a -t nfs_t /nfs_server
[root@server2 ~]# ls -ldZ /nfs_server
drwxr-xr-x. 2 root root unconfined_u:object_r:default_t:s0 6 Feb 23 05:42 /nfs_server
[root@server2 ~]# setenforce 0
[root@server2 ~]# semanage fcontext -a -t nfs_t /nfs_server
File context for /nfs_server already defined, modifying instead
[root@server2 ~]# ls -ldZ /nfs_server
drwxr-xr-x. 2 root root unconfined_u:object_r:default_t:s0 6 Feb 23 05:42 /nfs_server
[root@server2 ~]# getenforce
Permissive
[root@server2 ~]# getenforce
Permissive
[root@server2 ~]# semanage fcontext -a -t nfs_t "/nfs_server(/.*)?"
[root@server2 ~]# restorecon -Rv /nfs_server/
Relabeled /nfs_server from unconfined_u:object_r:default_t:s0 to unconfined_u:object_r:nfs_t:s0
[root@server2 ~]# ls -ldZ /nfs_server
drwxr-xr-x. 2 root root unconfined_u:object_r:nfs_t:s0 6 Feb 23 05:42 /nfs_server
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]#
[root@server2 ~]#
23°C
Haze
Search
ENG
IN
11:18
23-02-2025