exp & Configure SSH server and establish SSH communication
On port 41101 SERVER
2) such install openssh-server (install define must be inactive)
1) yum install openssh-server 2) systemath status sshd (initially status must be inactive) 3) systemath start sshd
3 systemate start sshd
(now status is active)
(5) if config (6) systemated stopfirewalld CLIENT This is normal configure 4 SSH server
① ssh centos@server_ip client. password: centos
To establish communication on port 41101
CSTUDIEST STATE CONTES - CERVER
① do same process as given in Server → SERVER
Then a cn /etc/sch/schd_(0ntill /etc/ssil/ssild-toillig on)
3 mv letc/ssh/sshd_config-original letc/ssh/sshd_config
(i) (ii) (ca) (sin a line)
@ nano /etc/ssh/sshd_config
Permit Rootlogin = YES } remove # Fort 45010 (5) cd/home create txt file politxt.
Port 45010
(5) cd/home create txt-file politxt.
CLIENT
(1) Login :- SSh centos @ serverIP -p 45010
pass: - centos.
2 cd /home.
(you will see pulitht on client
(9) exit. side.
O CATE

Configure Telnet-server-client and establish Exp 9 Telnet configuration on port 43897. SERVER (1) Configuring Telnet server Client Orpm-qa Igrep telnet. -> checkiftelnet packet is already installed yum install telnet-server telnet. systematl status telnet socket - (initially must be inactive) (H)(S)(G) start telnet socket systematl enable telnet socket. telnet socket - (now status will be active) status stop firewalld firewall-cmd --add-service = telnet -- zone = public \bigcirc -- permanent) if wonfig (for server IP) CLIENT yum install telnet. server_TP 1 telnet 'login: centos password: centos (4) exit (to logouit) using touch command Create file in server write text in it and login into throught client and accels that and if you have created which U you txtfile in directory home , then in client first change directory to home by saved cd/home. then do ls. you will see the by serve. created

Telnet configuration on port 43897 1) do same process of serves. (2) then, open configfile nano /usr/lib/systemd/system/telnet.socket. change Listenstream= 43897 systemate daemon-reload

rutant telnet socket

enable

11 (5) firewall-cmd -- permanent --add-port = 43897/top firewall - cmd - - reload. CLIENT telnet server_Ip portno ie telnet 192.168.1.11 43897 login: centos password: centos

Apache Web Server
1) yum install httpd 2) systemate status httpd -> (initially service must be inactive).
3 systemate start https:
(4) soils the state of the stat
(4) systemath enable hHpd (5) systemath status hHpd → (now service must be active) System at stop firewalld (6) Open firefor howser
Open firefox browser → type in url: - localhost: port ie localhost: 80
Type in all :- localitists por the localitisses so
(1) cd /var/www/html
(8) Is touch paragintml.
Tock touch paraginant.
ENTILL >
title> parag title> Trantio
title > parag using Ifcontig enposs inet paag extc a
paag
<pre>IP/ pouge.html</pre>
Thody IP/ paraginal IP/ paragi
Now changing port no to 8080
nano letc/httpd/conf/httpd.conf =
. 1 00.00
(listen port = 8080) -, change to 8080
(now system the
now system ett sestant httpd (systemet restant httpd.
o il enable mipsi.
(go to firgox urite IP: 8080/paragihtml.
Write IP: 8080/paragihtml.
(·

	exp II configure NFS server client
	for Server
(I) (2)	jum install nfs_utils
3	systemeth enable rpebind mapping of stemeth enable of s-server
(S)	systemate start received remote procedure call bindes. " start rec-stated remote procedure call start res-idmaps status daemon
6	cd / mapper darmon
700	Is -1 grep parag / - root directory
9	ls-l I grep parag in long format
	cd parag chmod (1) -> pipe touch pointxt change file permissions [a+rwx -> all users execute paragins on]
	cd.
	nano /etc/exports #/DIR_NAME CLIENT_IP (PERMISSION) cat /etc/ exports /panag 192.168.1.1 (Yw., sync, no-root_ squash)
(17)	exportfs -rv
(8)	systemated stop firewalld. >-recxports all directories.
I	
e.,	

Client
1) yum install nfs-utils
2 yum install rpcbind
3 systemate start rechind
(4) Systemath stop firewalld
V
6 showmount -e server-ip
1 mkdir /mnt/anabhavane
8 mount server-ip:/server_diretory_name/mnt/diretory_name 9 df -h
for server
1) nano /etc/ exports
#DIR_NAME CLIENTIP (PERMISSION)
/ parag 192.168-1.1 (rw, sync, no-root-squash)
/ parag * (rw, sync, no-rootsquash) cat letc / exports
(III) exportes - YV
for Client
1) showmount -e server_IP
(2) step (8) of Client.
3 cd / mnt/anabhavane
(3) cat textfile_'
Ø d·
(3) cd/ (8) umount /mnt/anahhavane.
(8) amount /mn! /4
CIT - III

* experiment 12 for server checks if vftpd is already installed 1 ipm - qa grep vsftpd checks if vftpd is already installed 2 yum install vsftpd vsq secure file transfer vsq
wheleome to blan ttp service, also cert
add at end of file iv) use_localtime = YES. 6 systematl start vsftpd 9 ifconfig for servers IP 7 systematl enable vsftpd enp 0s3 (inet) 8 systematl stop firewalld For Client (Another terminal)
yum install ftp cd /home
(3) ftp servers_IP (8) name: centos, password centos (9) ftp > (bin) -> only this to the > (hash) write:
(10) put pol·txt -> put (uploads file to sciver)

for server . cd /home this file will be seen on server of as it was uploaded by client cat pol·txt also poz. txt, pos. txt , po4. txt will be (4) loud cd centos (5) touch downlitat. echo "thx for dowloading" > downltxt touch down2. txt touch. downs. txt client 1 again using ttp server_IP login bin & downlith down 02 txt down 03 txt [download multiple files