## ||Code NFS Linux Server

(rw,sync,no\_subtree\_check)

From the configuration file of the File Server

enable access to a single client

The remaining configurations are for the clients-side

## ||PART i

Fpt Server

sudo apt install vsftpd

sudo mv /etc/vsftpd.conf /etc/vsftpd.conf\_orig #backup of configuration file, reucing single point of failure

—(kali@kali)-[~]
—\$ sudo systemctl restart vsftpd

—(kali@kali)-[~]
—\$ sudo useradd -m ftpuser
sudo passwd

—(kali@kali)-[~]
—\$ sudo passwd ftpuser
New password:
Retype new password:
passwd: password updated successfully
FileTp

placing a directory at home of client directory to ensure its working when tested —(kali%kali)-[~]

\$ sudo bash -c "echo FTP TESTING> /home/ftpuser/FTP-TEST"

login attempt

(kali@kali)-[~] \$ ftp 127.0.0.1

Connected to 127.0.0.1.

220 (vsFTPd 3.0.3)

Name (127.0.0.1:kali): ftpuser 331 Please specify the password.

Password:

230 Login successful.

Remote system type is UNIX.

Using binary mode to transfer files.

ftp> ls

229 Entering Extended Passive Mode (||10043|)

150 Here comes the directory listing.

-rw-r--r-- 1 0 0 12 Apr 08 09:42 FTP-TEST

226 Directory send OK.

ftp>

successful Shell

modifying server to allow anonymous login

—(kali**⊛**kali)-[~]

\$\\_\\$\ \sudo\nano\/etc\/vsftpd.conf\ anonymous\\_enable=YES

sudo systemctl restart vsftpd

—(kali**⊛**kali)-[~]

└─\$ ftp 127.0.0.1

Connected to 127.0.0.1.

220 (vsFTPd 3.0.3)

Name (127.0.0.1:kali): ftpuser

331 Please specify the password.

Password:

230 Login successful.

Remote system type is UNIX.

Using binary mode to transfer files.

ftp> quit

221 Goodbye.

Successful login

## ||PART2

Samba Services

sudo systemctl status smb

o smbd.service - Samba SMB Daemon

Loaded: loaded (/lib/systemd/system/smbd.service; disabled; preset: disabl>

Active: inactive (dead)
Docs: man:smbd(8)

```
man:samba(7)
       man:smb.conf(5)
(kali⊗kali)-[~]
└─$ sudo systemctl start smb
—(kali⊛kali)-[~]
$\bullet$ sudo systemctl enable smbd
its working and enabled
Now its configuration time
creating backup; —(kali⊗kali)-[~]
$\sudo cp -pf /etc/samba/smb.conf /etc/smb.conf.bak
—(kali⊛kali)-[~]
└─$ id
Helps show individual and group ids of the system
—(kali⊛kali)-[~]
└─$ id toang
uid=1002(toang) gid=1002(toang) groups=1002(toang),100(users)
   —(kali⊗kali)-[~]
  –$ id kali
uid=1000(kali) gid=1000(kali)
groups=1000(kali),4(adm),20(dialout),24(cdrom),25(floppy),27(sudo),29(audio),30(dip),44(video),46(
plugdev),100(users),104(kvm),106(netdev),116(wireshark),118(bluetooth),120(lpadmin),126(scanner),
139(kaboxer),151(libvirt)
displays user ID primary groups and secondary groups associated with the user eg kali/toang
—(kali%kali)-[~]
└─$ id -nG
kali adm dialout cdrom floppy sudo audio dip video plugdev users kvm netdev wireshark bluetooth
lpadmin scanner kaboxer libvirt
this ommits the numbers giving us names of user and groups
-G all groups -n Names
changed group name in Samba config file to my current working group
—(kali⊛kali)-[~] creating the directory we share on our samba server
$\bullet$ sudo mkdir /srv/samba
[sudo] password for kali:
    -(kali⊛kali)-[~] making it writeable and browseable
   -$ sudo chmod a+rwx /srv/samba
we should add that to the config file
r—(kali⊗kali)-[~]
```

```
$\bullet$ \sudo \vim \etc\samba\smb.conf
[anonyous]
path= /srv/samba
browseable =yes
writeable =yes
read only=no
guest =ok
   —(kali⊗kali)-[~]
$\sudo systemctl restart smb
Adding Secured Shares
—(kali⊛kali)-[~]
└─$ sudo addgroup smbgrp
info: Selecting GID from range 1000 to 59999 ...
info: Adding group 'smbgrp' (GID 1004) ...
creating samba group
creating user
   —(kali⊗kali)-[~]
  —$ sudo adduser shares
info: Adding user `shares' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group 'shares' (1005) ...
info: Adding new user 'shares' (1005) with group 'shares (1005)' ...
info: Creating home directory `/home/shares' ...
info: Copying files from '/etc/skel' ...
New password:
usr:shares pass:Hello09!
   —(kali⊛kali)-[~]
 —$ sudo adduser shares smbgrp
info: Adding user `shares' to group `smbgrp' ...
—(kali⊗kali)-[~]
└─$ sudo smbpasswd -a shares
New SMB password:
Retype new SMB password:
Added user shares.
groupPa44
groupPa44
creating secure folder for protected files
—(kali⊛kali)-[~]
```

\$\sudo mkdir -p /srv/samba-secured
—(kali�kali)-[~] └─\$ sudo chmod -R 0770 /srv/samba-secured
(kali%kali)-[~] sudo chown root:smbgrp /srv/samba-secured
(kali@kali)-[~]
☐ \$ sudo service smb restart we then got samba to rewrite and configure our changes. Updating to a secured service with us authentication