Samba

❖ Samba is a free software re-implementation of the SMB/CIFS networking protocol.
❖ It provides file and print services for various Microsoft Windows clients and can integrate with a Windows Server domain.
❖ Samba allows for interoperability between Linux/Unix servers and Windows-based clients.

Packages required:samba
Port No:137,138,139&445.
Configuration file: /etc/samba/smb.conf
Service:smb.service

Step1:Install the packages

yum install samba

Step2:Configuration file to modify it

vi /etc/samba/smb.conf

```
[localhost]
        comment = gowtham
        path = /apple
        valid users = ak1
        browseable = yes
        read only = no
```

Step3:restart the service and check the firewalld status and check the status and enable also

systemctl restart smb.service
systemctl status firewalld.service
systemctl stop firewalld.service
systemctl status firewalld.service
systemctl status smb
systemctl enable --now smb.service

Step4:create the directory and change the directory and create the file and list it

mkdir /apple
cd /apple/

```
[root@server apple]# touch file45
[root@server apple]# touch file54
[root@server apple]# ls
file45  file54
```

Step5:Add the permission to directory and create the user and password also set

chmod 777 /apple/
useradd ak1
smbpasswd -a ak1

```
[root@server apple]# chmod 777 /apple/
[root@server apple]# useradd ak1
[root@server apple]# smbpasswd -a ak1
New SMB password:
Retype new SMB password:
Added user ak1.
```

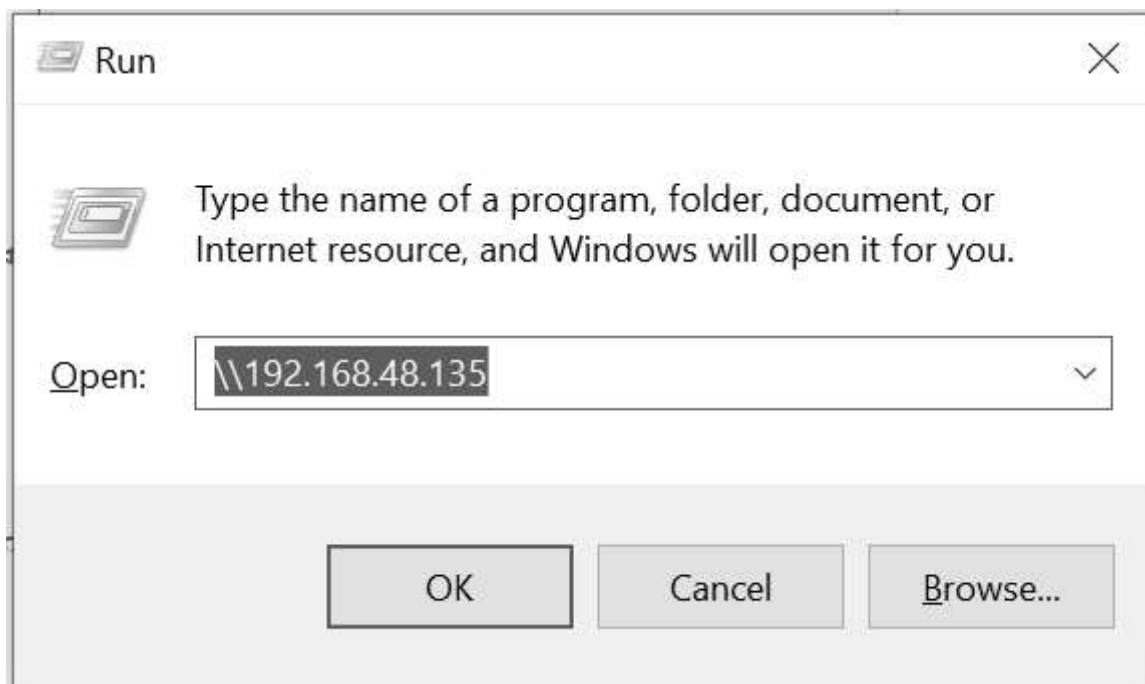**Step6:To check the getenforce and setenforce status also checking**

getenforce 0
setenforce 0

Step7:To access from windows clients

windows+r to open run

Enter \\192.168.48.135

Step8:Result that we can access samba user from windows

Network > 192.168.48.135 > localhost

Name	Date modified	Type	Size
file45	21-07-2024 21:55	File	0 KB
file54	21-07-2024 21:55	File	0 KB

Step9:create the files in windows side

Network > 192.168.48.135 > ak1

Name	Date modified	Type	Size
mango	21-07-2024 22:03	File folder	
gowtham	21-07-2024 22:02	Text Document	0 KB
httpd server (4)	21-07-2024 15:12	Adobe Acrobat Docu...	1,689 KB