## 1. SAMBA SHARE

## Experiment no. 1

**Date**: 06/06/2024

**Description:** This experiment involves installing and configuring a Samba file server on a Linux system to facilitate file sharing over a network. The Samba server will be configured to share a directory on the system, making it accessible from other machines.

Package name: samba

Configuration details: etc/samba/smb.conf

## **Procedure:**

i) Switch to superuser: su -

- ii) install samba package:
  - sudo apt update
  - sudo apt install samba
  - Navigate to Samba Configuration Directory: cd/etc/samba
  - List Directory Contents: Is
  - Open Samba Configuration File: nano smb.conf

In the opened smb.conf file, set the following:

- Name: sreelakshmi
- Path: /home/ubuntu22/share
- Configure Firewall to Allow Samba: sudo ufw allow samba
- Install Network Tools: apt install net-tools
- Check Network Configuration: ifconfig

## Connecting to the Samba Server:

- Open File Explorer and navigate to "Other Locations."
- Connect to the server using the following address: smb://127.0.0.1/sreelakshmi/
- Click "Connect."
- The folder is now accessible via the network
- Result:

```
ubuntu22@UBUNTU:~$ su -
Password:
root@UBUNTU:~# sudo apt update
Hit:1 http://archive.canonical.com/ubuntu jammy InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Hit:3 http://archive.ubuntu.com/ubuntu jammy InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:5 http://archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:6 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:7 http://archive.ubuntu.com/ubuntu jammy-security InRelease
Hit:8 http://archive.ubuntu.com/ubuntu jammy-backports InRelease
Get:9 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Fetched 129 kB in 5s (28.5 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
147 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@UBUNTU:~# sudo apt install samba
```

```
PID TTY INE CMD
28755 pts/0 00:00:00 bu
28833 pts/0 00:00:00 bus
31560 pts/0 00:00:00 ps
root@UBUNTU:/etc/samba# ls
gdbcommands sbc.conf tls
root@UBUNTU:/etc/samba# nano smb.conf
root@UBUNTU:/etc/samba# sudo ufw allow samba
Rules updated
(No)
root@UBUNTU:/etc/samba# ipconfig
Command 'tpconfig' not found, did you mean:
command 'tpconfig' not found, did you mean:
command 'tpconfig' from deb net-tools (1.60+gt120181103.0eebece-lubuntu5)
command 'tpconfig' from deb inteless-tools (30-pre9-13.1ubuntu4)
command 'tpconfig' from deb inteless-tools (30-p
```

```
; path = /home/samba/profiles
; guest ok = no
    browseable = no
; create mask = 8000
; directory mask = 0700

[printers]
    comment = All Printers
    browseable = no
    path = /var/spool/samba
    printable = yes
    guest ok = no
    read only = yes
    create mask = 0700

# Windows clients look for this share name as a source of downloadable
# printer drivers
[prints]
    comment = Printer Drivers
    path = /var/lib/samba/printers
    browseable = yes
    read only = yes
    guest ok = no

# Uncomment to allow remote administration of Windows print drivers.
# You may need to replace 'lpadmin' with the name of the group your
# admin users are members of.
# Please note that you also need to set appropriate Unix permissions
# to the drivers directory for these users to have write rights in it
# write list = root, @lpadmin

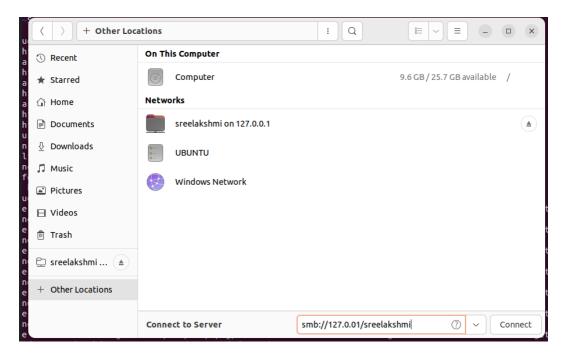
[Seealashmi]
    path=/home/ubuntu22/share
    browseable = yes
    read only = yes
    guest ok = no
```

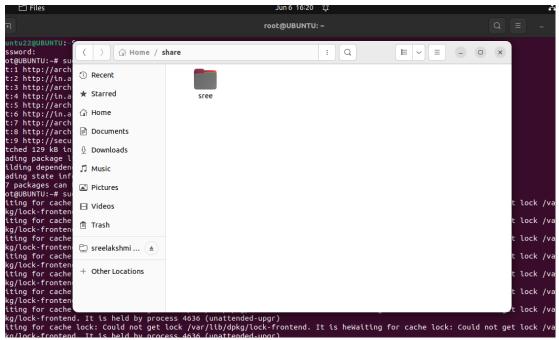
```
PID TTY TIME CMD
28755 pts/0 00:00:00 bash
31560 pts/0 00:00:00 bash
31560 pts/0 00:00:00 bash
31560 pts/0 00:00:00 ps
root@UBUNTU:### cd/etc/samba
root@UBUNTU:## cd/etc/samba
root@UBUNTU:## cd/etc/samba
root@UBUNTU:#etc/samba# ls
gdbcommands smb.conf
root@UBUNTU:/etc/samba# sudo ufw allow samba
Rules updated
```

```
inet 127.0.0.1 netmask 255.0.0.0

inet6 ::1 prefixien 120 scopeid 0x10<host>
loop taylevelen 1000 (local Loopback)
RX packets 640 bytes 77915 (77.9 kB)
RX rerors 0 dropped 0 overruns 0 and 0
TX packets 640 bytes 77915 (77.9 kB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

rootgusuntru:/etc/sambar anno srb.config
rootgusuntru:/etc/sambar anno retc/samba/snb.config
rootgusuntru:/etc/sambar anno retc/samba/snb.config
rootgusuntru:/etc/sambar sudo service smbd restart
rootgusuntru:/etc/sambar cd.
cd.::command not found
rootgusuntru:/etc/sambar sudo
rootgusuntru:/etc/sambar/smb.conf
rootgusuntru:/etc/sambar/smb.conf
rootgusuntru:/etc/sambar/smb.conf
rootgusuntru:/etc/sambar/smb.conf
rootgusuntru:/etc/sambar/smb.conf
rootgusuntru:/etc/sambar/smb.conf
```





Conclusion: All the commands have been executed and the output has been obtained successfully.