

Assignments:08

Module:- COSA(SAMBA) Name:- Prithviraj Nikam

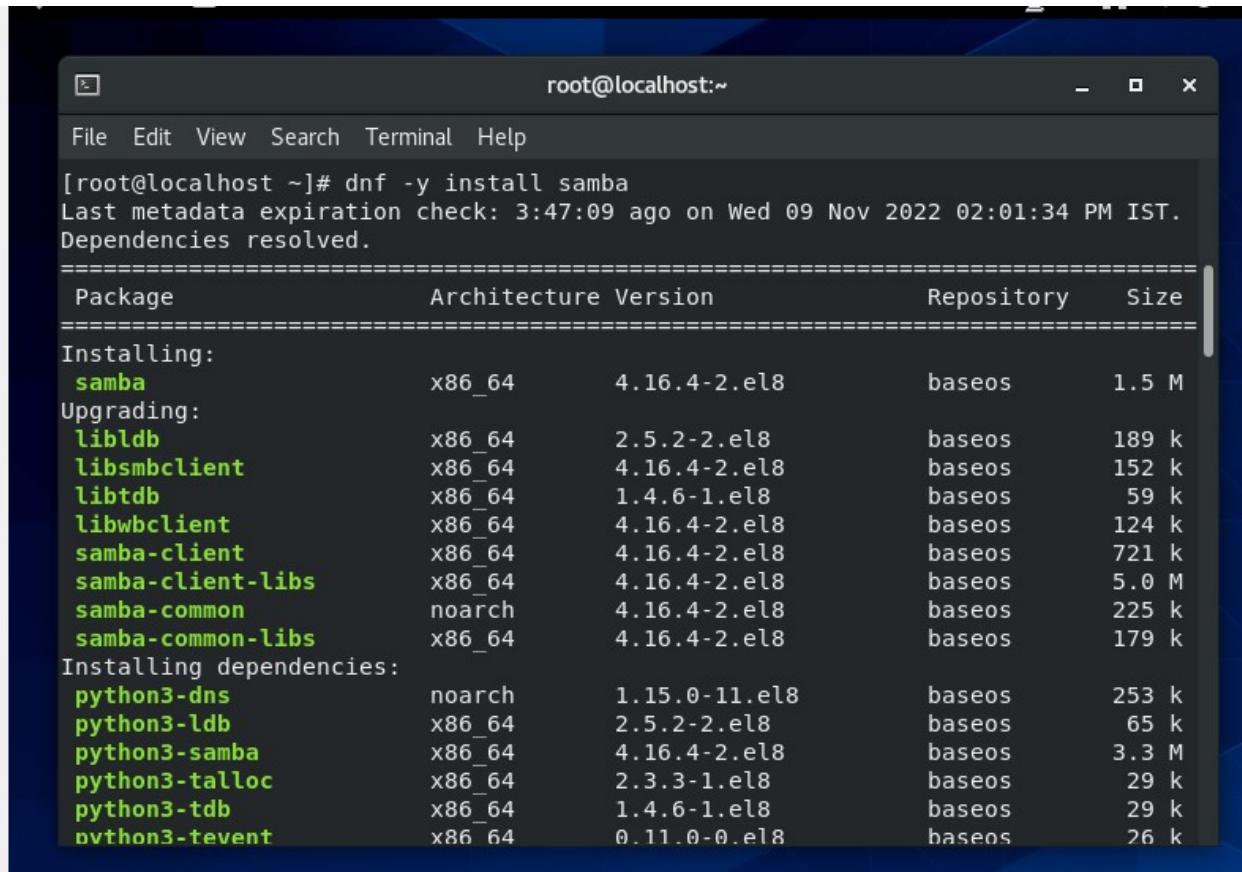
Lab Assignment :-

Configure SAMBA server through your Centos-8 (VM machine)

SERVER:-

Step-1:- Install SAMBA server

Cmd:- # dnf -y install samba



```
[root@localhost ~]# dnf -y install samba
Last metadata expiration check: 3:47:09 ago on Wed 09 Nov 2022 02:01:34 PM IST.
Dependencies resolved.
=====
Package           Architecture Version      Repository  Size
=====
Installing:
  samba          x86_64      4.16.4-2.el8   baseos     1.5 M
Upgrading:
  libldb         x86_64      2.5.2-2.el8   baseos     189 k
  libsmbclient   x86_64      4.16.4-2.el8   baseos     152 k
  libtdb         x86_64      1.4.6-1.el8   baseos     59 k
  libwbclient    x86_64      4.16.4-2.el8   baseos     124 k
  samba-client   x86_64      4.16.4-2.el8   baseos     721 k
  samba-client-libs x86_64      4.16.4-2.el8   baseos     5.0 M
  samba-common   noarch      4.16.4-2.el8   baseos     225 k
  samba-common-libs x86_64      4.16.4-2.el8   baseos     179 k
Installing dependencies:
  python3-dns    noarch      1.15.0-11.el8  baseos     253 k
  python3-ldb    x86_64      2.5.2-2.el8   baseos     65 k
  python3-samba  x86_64      4.16.4-2.el8   baseos     3.3 M
  python3-talloc  x86_64      2.3.3-1.el8   baseos     29 k
  python3-tdb    x86_64      1.4.6-1.el8   baseos     29 k
  python3-tevent x86_64      0.11.0-0.el8   baseos     26 k
```

Step-2:- configure Samba

Activities Terminal Nov 9 17:51

```
root@localhost:/home
File Edit View Search Terminal Help
[root@localhost ~]# cd /home
[root@localhost home]# mkdir share
[root@localhost home]# ls -ld /home/share
drwxr-xr-x. 2 root root 6 Nov  9 17:50 /home/share
[root@localhost home]# chmod 777 /home/share/
[root@localhost home]# vi /etc/samba/smb.conf
```

```
root@localhost:/home
File Edit View Search Terminal Help
# See smb.conf.example for a more detailed config file or
# read the smb.conf manpage.
# Run 'testparm' to verify the config is correct after
# you modified it.

[global]
    workgroup = SAMBA
    security = user
    unix charset = UTF-8
    passdb backend = tdbsam
    hosts allow = 192.168.3.131 192.168.3.229
    printing = cups
    printcap name = cups
    load printers = yes
    cups options = raw
    map to guest = Bad User
[homes]
    comment = Home Directories
    valid users = %S, %D%w%S
    browseable = No
    read only = No
    inherit acls = Yes

-- INSERT --
```

```
root@localhost:/home
File Edit View Search Terminal Help
[printers]
    comment = All Printers
    path = /var/tmp
    printable = Yes
    create mask = 0600
    browseable = No

[print$]
    comment = Printer Drivers
    path = /var/lib/samba/drivers
    write list = @printadmin root
    force group = @printadmin
    create mask = 0664
    directory mask = 0775
[share]
    comment = This for demo
    path = /home/share
    writable = yes
    guest ok = yes
    guest only = yes
    force create mode = 777
    force directory mode = 777
-- INSERT --
```

Step -3:-start SAMBA service and check status

```
[root@localhost home]# systemctl start smb.service
[root@localhost home]# systemctl status smb.service
● smb.service - Samba SMB Daemon
   Loaded: loaded (/usr/lib/systemd/system/smb.service; disabled; vendor preset: enabled)
   Active: active (running) since Wed 2022-11-09 17:58:24 IST; 12s ago
     Docs: man:smbd(8)
           man:samba(7)
           man:smb.conf(5)
 Main PID: 3336 (smbd)
   Status: "smbd: ready to serve connections..."
      Tasks: 3 (limit: 12262)
     Memory: 11.6M
    CGroup: /system.slice/smb.service
              └─3336 /usr/sbin/smbd --foreground --no-process-group
                  ├─3338 /usr/sbin/smbd --foreground --no-process-group
                  ├─3339 /usr/sbin/smbd --foreground --no-process-group

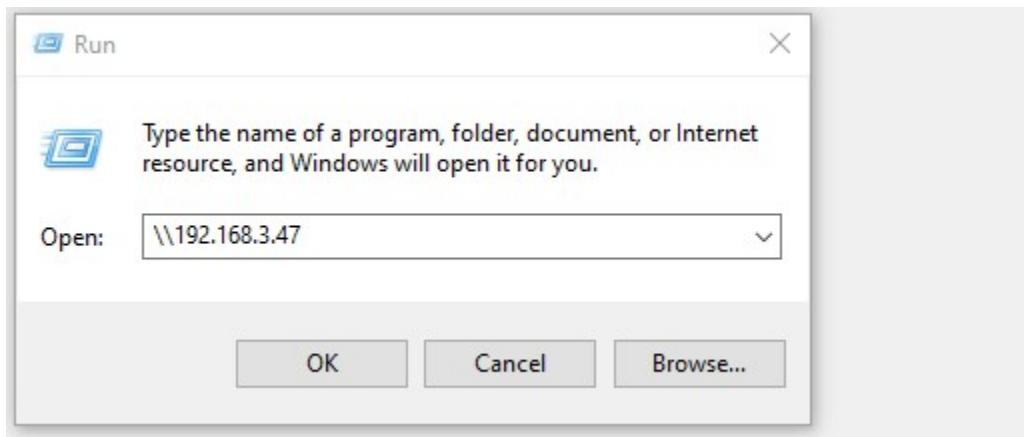
Nov 09 17:58:24 localhost.localdomain systemd[1]: Starting Samba SMB Daemon...
Nov 09 17:58:24 localhost.localdomain smbd[3336]: [2022/11/09 17:58:24.809941, 0x559f34000000] smbd version 4.16.4 started.
Nov 09 17:58:24 localhost.localdomain smbd[3336]: Copyright Andrew Tridgell a...
Nov 09 17:58:24 localhost.localdomain systemd[1]: Started Samba SMB Daemon.
lines 1-20/20 (END)
```

Step-4:- stop firewall and disable setenforce

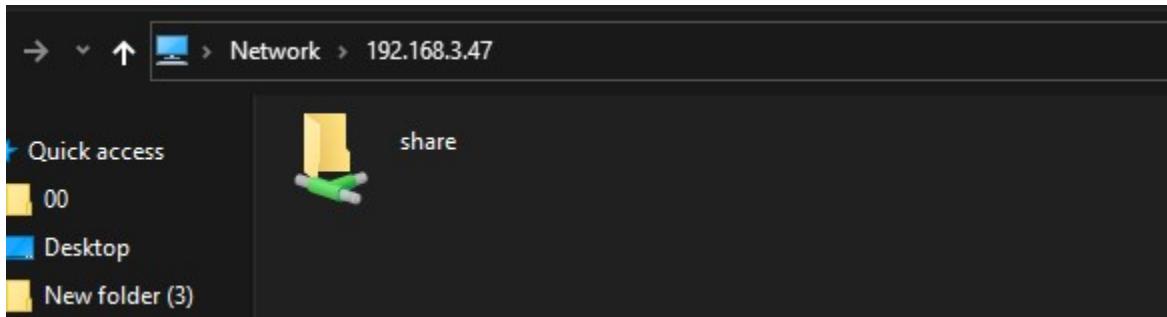
```
[root@localhost home]# systemctl stop firewalld  
[root@localhost home]# iptables -F  
[root@localhost home]# setenforce 0  
[root@localhost home]#
```

Client:-

Step-1:- go to windows and run the “RUN” on windows start.and put Linux System ip address



Step -2:- opening the new window



Share any file one folder “share”

A screenshot of a file explorer window. The path is Network > 192.168.3.47 > share. The left sidebar shows 'Access' and 'op folder (3)'. The main area is a table with columns: Name, Date modified, Type, and Size. There are two files listed:

	Name	Date modified	Type	Size
	PDF 10_Prithviraj(Zones)	08-11-2022 22:01	Microsoft Edge P...	261 KB
	PDF 14_ASS-5_SURESH	01-11-2022 20:55	Microsoft Edge P...	2,665 KB

SERVER:-

Step-1:- check server side file location

A screenshot of a terminal window. The title bar says 'root@localhost:/home/share'. The window contains the following text:

```
File Edit View Search Terminal Help
[root@localhost home]# ls
prithv prithvi Prithviraj Sanjay sanjayadiwal share
[root@localhost home]# cd share
[root@localhost share]# ls
'10_Prithviraj(Zones).pdf'  14_ASS-5_SURESH.pdf
[root@localhost share]#
```