

Samba

Install application

```
[root@client samba]# yum install samba* -y
Updating Subscription Management repositories.
Unable to read consumer identity
This system is not registered to Red Hat Subscription Management. You can use subscription-manager to register
Last metadata expiration check: 0:15:55 ago on Mon 09 May 2022 01:37:34 PM IST.
Package samba-4.11.2-13.el8.x86_64 is already installed.
Package samba-client-4.11.2-13.el8.x86_64 is already installed.
Package samba-client-libs-4.11.2-13.el8.x86_64 is already installed.
```

Service start

```
[root@client yum.repos.d]# systemctl enable --now {smb,nmb}
Created symlink /etc/systemd/system/multi-user.target.wants/smb.service → /usr/lib/systemd/system/smb.service.
Created symlink /etc/systemd/system/multi-user.target.wants/nmb.service → /usr/lib/systemd/system/nmb.service.
[root@client yum.repos.d]# systemctl status {smb,nmb}
● smb.service - Samba SMB Daemon
   Loaded: loaded (/usr/lib/systemd/system/smb.service; enabled; vendor preset: disabled)
   Active: active (running) since Mon 2022-05-09 13:39:23 IST; 11s ago
     Docs: man:smbd(8)
           man:samba(7)
           man:smb.conf(5)
   Main PID: 32642 (smbd)
   Status: "smbd: ready to serve connections..."
```

Enable firewall port

```
[root@client yum.repos.d]# firewall-cmd --info-service samba
samba
  ports: 137/udp 138/udp 139/tcp 445/tcp
  protocols:
  source-ports:
  modules:
  destination:
  includes:
  helpers: netbios-ns
```

Reload firewall

```
[root@client yum.repos.d]# firewall-cmd --permanent --add-service=samba
success
[root@client yum.repos.d]# firewall-cmd --reload
success
[root@client yum.repos.d]#
```

Check firewall list

```
[root@client yum.repos.d]# firewall-cmd --list-services
cockpit dhcpv6-client samba ssh
[root@client yum.repos.d]#
```

Check selinux permission

```
[root@client samba]# setenforce 0
[root@client samba]# getenforce
Permissive
[root@client samba]#
```

Restart application

```
[root@client samba]# systemctl restart {smb,nmb}
[root@client samba]#
```

Create folder

```
[root@client samba]# mkdir /samba_share
[root@client samba]# ll
total 20
```

Samba

Create user and assign password

```
[root@client samba]# useradd smbuser1
[root@client samba]# passwd smbuser1
Changing password for user smbuser1.
New password:
BAD PASSWORD: The password is a palindrome
Retype new password:
passwd: all authentication tokens updated successfully.
```

Assign password through samba

```
[root@client samba]# smbpasswd -a smbuser1
New SMB password:
Retype new SMB password:
Added user smbuser1.
[root@client samba]#
```

Add group and add user in group

```
[root@client samba]# groupadd smbuser
[root@client samba]# chown :smbuser /samba_share
[root@client samba]# usermod -G smbuser smbuser1
[root@client samba]#
```

Change samba file

```
[root@client samba]# cp /etc/samba/smb.conf /smb.conf
[root@client samba]#
[root@client samba]# cp /etc/samba/smb.conf.example /etc/samba/smb.conf
cp: overwrite '/etc/samba/smb.conf'? y
[root@client samba]#
```

Open configuration file

```
[root@client samba]# vim smb.conf
[root@client samba]#
```

Modified file and add dir path

```
workgroup = WORKGROUP
server string = Samba Server Version %v
netbios name = MYSERVER
```

```
[homes]
comment = Home Directories
browseable = no
writable = yes
valid users = %S
valid users = MYDOMAIN\%S
```

```
[samba_share]
comment= samba share
path= /samba_share
browseable= yes
guest ok = no
read only = no
create mask = 0777
```

Samba

Test smba working or not

```
root@client samba]# systemctl start smb
[root@client samba]# testparm
Load smb config files from /etc/samba/smb.conf
Loaded services file OK.
Weak crypto is allowed
Server role: ROLE_STANDALONE

Press enter to see a dump of your service definitions

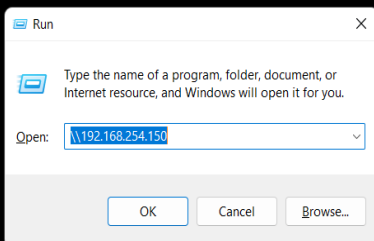
# Global parameters
[global]
    log file = /var/log/samba/log.%m
    max log size = 50
    security = USER
    server string = Samba Server Version %v
    idmap config * : backend = tdb
    cups options = raw

[printers]
    browseable = No
    comment = All Printers
    path = /var/spool/samba
    printable = Yes

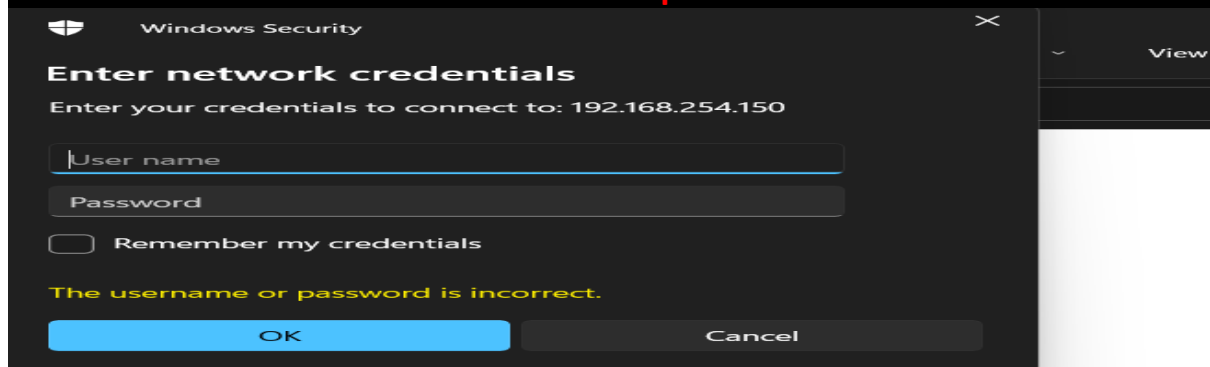
[samba_share]
    comment = samba share
    create mask = 0777
    path = /samba_share
    read only = No
[root@client samba]#
```

Access to window to linux system

```
2: ens160: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:03:a4:76 brd ff:ff:ff:ff:ff:ff
    inet 192.168.254.150/24 brd 192.168.254.255 scope global dynamic noprefixroute ens160
        valid_lft 995sec preferred_lft 995sec
    inet6 fe80::1f9d:4a89:7244:1b4a/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
3: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
    link/ether 52:54:00:6c:24:46 brd ff:ff:ff:ff:ff:ff
    inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0
        valid_lft forever preferred_lft forever
4: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc fq_codel master virbr0 state DOWN group default qlen 1000
    link/ether 52:54:00:6c:24:46 brd ff:ff:ff:ff:ff:ff
[root@client samba]#
```

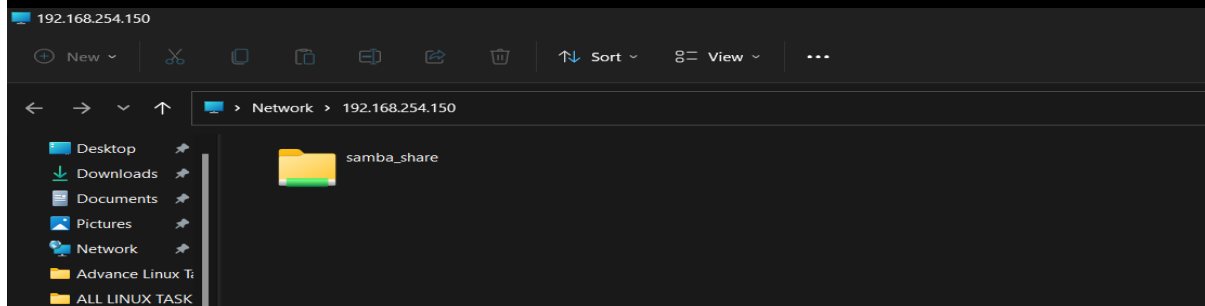


Access don insert username password linux server

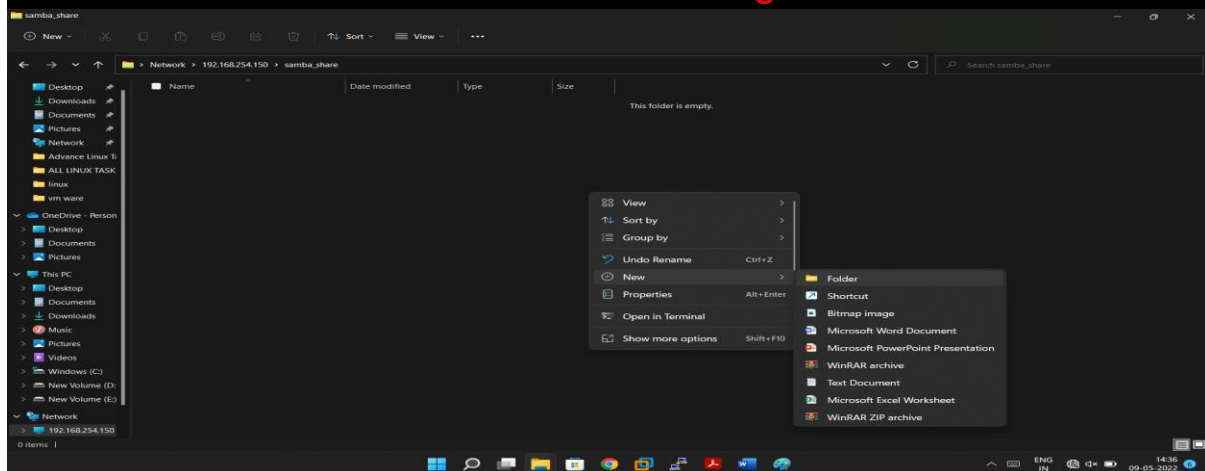


Samba

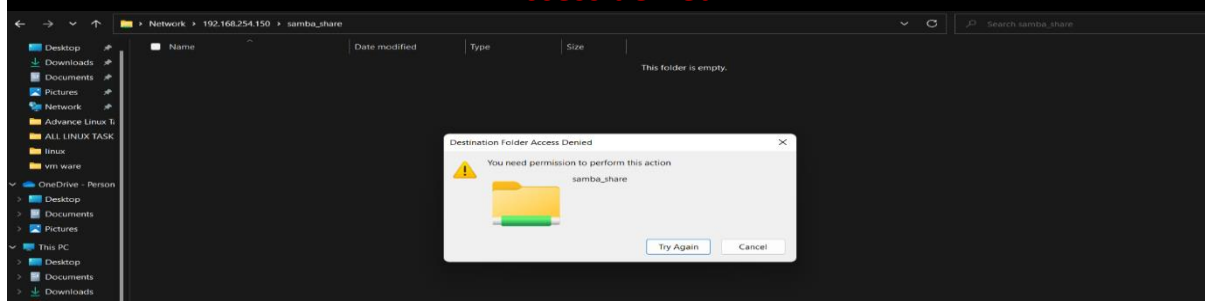
Drive access done



Create folder check creating or not



Access denied



Assigne permission

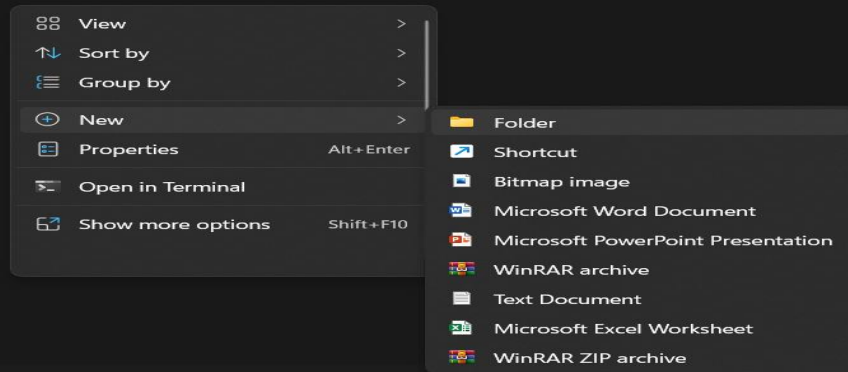
```
[root@client samba]# cd /
[root@client /]# ll
total 30
lrwxrwxrwx. 1 root root 7 Aug 12 2018 bin -> usr/bin
dr-xr-xr-x. 5 root root 4096 May 9 09:53 boot
drwxr-xr-x. 20 root root 3260 May 9 12:22 dev
drwxr-xr-x. 139 root root 8192 May 9 14:01 etc
drwxr-xr-x. 4 root root 36 May 9 13:58 home
lrwxrwxrwx. 1 root root 7 Aug 12 2018 lib -> usr/lib
lrwxrwxrwx. 1 root root 9 Aug 12 2018 lib64 -> usr/lib64
drwxr-xr-x. 2 root root 6 Aug 12 2018 media
dr-xr-xr-x. 7 root root 2048 Apr 4 2020 mnt
drwxr-xr-x. 2 root root 6 Aug 12 2018 opt
dr-xr-xr-x. 229 root root 0 May 9 12:22 proc
dr-xr-xr-x. 5 root root 238 May 9 14:28 root
drwxr-xr-x. 39 root root 1200 May 9 14:30 run
drwxr-xr-x. 2 root smbuser 6 May 9 13:55 samba_share
lrwxrwxrwx. 1 root root 8 Aug 12 2018 sbin -> usr/sbin
-rw-r--r--. 1 root root 806 May 9 14:22 smb.conf
drwxr-xr-x. 2 root root 6 Aug 12 2018 srv
dr-xr-xr-x. 13 root root 0 May 9 12:22 sys
drwxrwxrwt. 15 root root 4096 May 9 14:22 tmp
drwxr-xr-x. 12 root root 144 May 9 09:36 usr
drwxr-xr-x. 21 root root 4096 May 9 09:52 var
[root@client /]# chmod 777 samba_share/
```

Samba

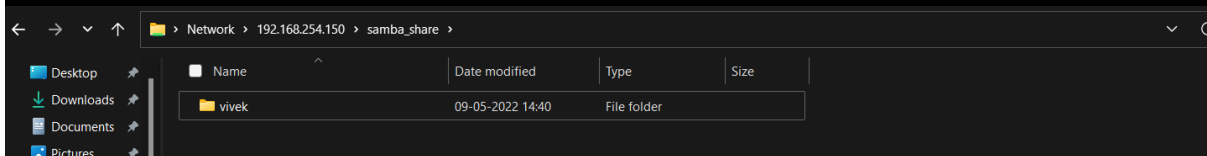
Change user and group own permission

```
[root@client /]# chown -R smbuser1:smbuser /samba_share  
[root@client /]#
```

After modified created new folder



Created done



Check linux side working or not

```
[root@client /]# cd samba_share/  
[root@client samba_share]# ls  
vivek  
[root@client samba_share]#
```