

SAMBA FILE SERVER

1) Samba is popular local network file hosting server service. Firstly install program:

```
# sudo apt-get install samba cifs-utils
```

2a) edit configuration file – full access privileges for **#userSamba**:

```
# sudo vim /etc/samba/smb.conf
```

[shareName]

```
path = /pathToShareFolderIncludingContent
```

```
force user = userSamba
```

```
force group = root
```

```
create mask = 0777
```

```
directory mask = 0777
```

```
hosts allow = WhiteListIPAddr
```

```
read only = no
```

```
public = no
```

```
guest ok = no
```

```
writable = yes
```

P.S. userSamba username must exist in system – create one: #sudo useradd userSamba.

3a) add authorized user #userSamba to program Samba

```
# sudo smbpasswd -a userSamba
```

2b) edit configuration file – full access privileges for **everyone**:

```
# sudo vim /etc/samba/smb.conf
```

[shareName]

```
path = /pathToShareFolderIncludingContent
```

```
force user = root
```

```
force group = root
```

```
create mask = 0777
```

```
directory mask = 0777
```

```
hosts allow = WhiteListIPAddr
```

```
read only = no
```

```
public = yes
```

```
guest ok = yes
```

```
writable = yes
```

4) restart Samba

```
# sudo service smbd restart
```

5) check configuration

```
# sudo testparm
```

6) list actually connected clients to file servers:

```
#sudo smbstatus
```

7) enable firewall samba ports

```
#sudo ufw allow 139 445 && sudo ufw reload
```

LINUX client to file server:

1a) load configuration at startup (note that password is clearly shown in system!):

```
# sudo mkdir /mnt/mountedClientFolder
```

```
# sudo vim /etc/fstab
```

```
//serverIPAddr/shareName /mnt/mountedClientFolder
```

cifs

```
username=userSamba,password=admin1,uid=userSamba 0 0
```

2a) restart configuration

```
# sudo mount -a
```

1b) load configuration at startup with bash script:

create one at home directory:

```
#touch sambaClientMount.sh
```

edit script to add mount point device:

```
#!/bin/sh
sudo      mount      //serverIPAddr/shareName      /mnt/mountedClientFolder      -o
username=userSamba,password=admin1,uid=$(id -u),gid=$(id -g)
```

WINDOWS client to file server:

MyComputer PPM: add network localization
Check non-standard network localization; Next
Server Address: [\\serverIPAddr\shareName](#)