



**Submitted To: Sir Majid Shafique**

**Submitted By: Tanzeela Asghar**

**Roll no: 2021-BSE-032**

**Section : BSE (3A)**

**Group members:**

**Bisma Ali(2021-BSE-008)**

**Laiba Sohail(2021-BSE-016)**

**Neha Amjad(2021-BSE-024)**

---

**Project E:**

---

## **Samba server configuration:**



### **Introduction:**

Samba is one of the many ways to share files and directories across a network on Linux. With a Samba share up and running, any machine within your LAN can access the contents of the shared directory—so long as the user has access.

**The first step is to install the samba package. From a terminal prompt enter:**

```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
ubuntu@ubuntu:~$ sudo apt update  
[sudo] password for ubuntu:  
Hit:1 http://us.archive.ubuntu.com/ubuntu bionic InRelease  
Get:2 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]  
Get:3 http://us.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]  
Get:4 http://us.archive.ubuntu.com/ubuntu bionic-backports InRelease [83.3 kB]  
Fetched 261 kB in 3s (99.7 kB/s)  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
143 packages can be upgraded. Run 'apt list --upgradable' to see them.  
ubuntu@ubuntu:~$ sudo apt install samba -y  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  linux-headers-5.4.0-132-generic linux-hwe-5.4-headers-5.4.0-132  
  linux-image-5.4.0-132-generic linux-modules-5.4.0-132-generic  
  linux-modules-extra-5.4.0-132-generic  
Use 'sudo apt autoremove' to remove them.  
The following additional packages will be installed:  
  attr ibverbs-providers libcephfs2 libibverbs1 libnl-route-3-200  
  libpython-stdlib librados2 libsmbclient libwbclient0 python python-crypto  
  python-dnspython python-ldb python-minimal python-samba python-tdb python2.7
```

```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
  libpython-stdlib librados2 libsmbclient libwbclient0 python python-crypto  
  python-dnspython python-ldb python-minimal python-samba python-tdb python2.7  
  python2.7-minimal samba-common samba-common-bin samba-dsdb-modules  
  samba-libs samba-vfs-modules tdb-tools  
Suggested packages:  
  python-doc python-tk python-crypto-doc python-gpgme python2.7-doc  
  binfmt-support bind9 bind9utils ctdb ldb-tools ntp | chrony smbldap-tools  
  winbind heimdal-clients  
The following NEW packages will be installed:  
  attr ibverbs-providers libcephfs2 libibverbs1 libnl-route-3-200  
  libpython-stdlib librados2 python python-crypto python-dnspython python-ldb  
  python-minimal python-samba python-tdb python2.7 python2.7-minimal samba  
  samba-common samba-common-bin samba-dsdb-modules samba-vfs-modules tdb-tools  
The following packages will be upgraded:  
  libsmbclient libwbclient0 samba-libs  
3 upgraded, 22 newly installed, 0 to remove and 140 not upgraded.  
Need to get 14.9 MB of archives.  
After this operation, 52.8 MB of additional disk space will be used.  
Get:1 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libsmbclient  
  amd64 2:4.7.6+dfsg-ubuntu-0ubuntu2.29 [54.4 kB]  
Get:2 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 samba-libs a  
  md64 2:4.7.6+dfsg-ubuntu-0ubuntu2.29 [5,256 kB]  
Get:2 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 samba-libs a  
  md64 2:4.7.6+dfsg-ubuntu-0ubuntu2.29 [5,256 kB]
```

```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
Get:3 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libwbclient0  
amd64 2:4.7.6+dfsg~ubuntu-0ubuntu2.29 [33.5 kB]  
Get:4 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python2.7-mi  
nimal amd64 2.7.17-1~18.04ubuntu1.10 [1,290 kB]  
Get:5 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 python-minimal amd64  
2.7.15~rc1-1 [28.1 kB]  
Get:6 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python2.7 am  
d64 2.7.17-1~18.04ubuntu1.10 [248 kB]  
Get:7 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 libpython-stdlib amd  
64 2.7.15~rc1-1 [7,620 B]  
Get:8 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 python amd64 2.7.15~  
rc1-1 [140 kB]  
Get:9 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 python-dnspython all  
1.15.0-1 [84.9 kB]  
Get:10 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 python-crypto amd64  
2.6.1-8ubuntu2 [244 kB]  
Get:11 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-ldb  
amd64 2:1.2.3-1ubuntu0.2 [30.8 kB]  
Get:12 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 python-tdb amd64 1.  
3.15-2 [11.1 kB]  
Get:13 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-samba  
amd64 2:4.7.6+dfsg~ubuntu-0ubuntu2.29 [1,924 kB]  
Get:14 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 samba-commo  
n all 2:4.7.6+dfsg~ubuntu-0ubuntu2.29 [71.7 kB]
```

```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
Get:14 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 samba-commo  
n all 2:4.7.6+dfsg~ubuntu-0ubuntu2.29 [71.7 kB]  
Get:15 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 samba-commo  
n-bin amd64 2:4.7.6+dfsg~ubuntu-0ubuntu2.29 [521 kB]  
Get:16 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 tdb-tools amd64 1.3  
.15-2 [22.4 kB]  
Get:17 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 samba amd64  
2:4.7.6+dfsg~ubuntu-0ubuntu2.29 [854 kB]  
Get:18 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 attr amd64 1:2.4.47  
-2build1 [25.8 kB]  
Get:19 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 libnl-route-3-200 a  
md64 3.2.29-0ubuntu3 [146 kB]  
Get:20 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libibverbs1  
amd64 17.1-1ubuntu0.2 [44.4 kB]  
Get:21 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 ibverbs-pro  
viders amd64 17.1-1ubuntu0.2 [160 kB]  
Get:22 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 librados2 a  
md64 12.2.13-0ubuntu0.18.04.10 [2,725 kB]  
Get:23 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libcephfs2  
amd64 12.2.13-0ubuntu0.18.04.10 [413 kB]  
Get:24 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 samba-dsdb-  
modules amd64 2:4.7.6+dfsg~ubuntu-0ubuntu2.29 [245 kB]  
Get:25 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 samba-vfs-m  
odules amd64 2:4.7.6+dfsg~ubuntu-0ubuntu2.29 [298 kB]
```

```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
Fetched 14.9 MB in 39s (385 kB/s)  
Preconfiguring packages ...  
(Reading database ... 204133 files and directories currently installed.)  
Preparing to unpack .../0-libsmbclient_2%3a4.7.6+dfsg~ubuntu-0ubuntu2.29_amd64.d  
eb ...  
Unpacking libsmbclient:amd64 (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) over (2:4.7.6+dfs  
g~ubuntu-0ubuntu2.28) ...  
Preparing to unpack .../1-samba-libs_2%3a4.7.6+dfsg~ubuntu-0ubuntu2.29_amd64.deb  
...  
Unpacking samba-libs:amd64 (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) over (2:4.7.6+dfsg~  
ubuntu-0ubuntu2.28) ...  
Preparing to unpack .../2-libwbclient0_2%3a4.7.6+dfsg~ubuntu-0ubuntu2.29_amd64.d  
eb ...  
Unpacking libwbclient0:amd64 (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) over (2:4.7.6+dfs  
g~ubuntu-0ubuntu2.28) ...  
Selecting previously unselected package python2.7-minimal.  
Preparing to unpack .../3-python2.7-minimal_2.7.17-1~18.04ubuntu1.10_amd64.deb .  
..  
Unpacking python2.7-minimal (2.7.17-1~18.04ubuntu1.10) ...  
Selecting previously unselected package python-minimal.  
Preparing to unpack .../4-python-minimal_2.7.15~rc1-1_amd64.deb ...  
Unpacking python-minimal (2.7.15~rc1-1) ...  
Selecting previously unselected package python2.7.  
Preparing to unpack .../5-python2.7_2.7.17-1~18.04ubuntu1.10_amd64.deb ...
```

```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
Selecting previously unselected package python-minimal.  
Preparing to unpack .../4-python-minimal_2.7.15~rc1-1_amd64.deb ...  
Unpacking python-minimal (2.7.15~rc1-1) ...  
Selecting previously unselected package python2.7.  
Preparing to unpack .../5-python2.7_2.7.17-1~18.04ubuntu1.10_amd64.deb ...  
Unpacking python2.7 (2.7.17-1~18.04ubuntu1.10) ...  
Selecting previously unselected package libpython-stdlib:amd64.  
Preparing to unpack .../6-libpython-stdlib_2.7.15~rc1-1_amd64.deb ...  
Unpacking libpython-stdlib:amd64 (2.7.15~rc1-1) ...  
Setting up python2.7-minimal (2.7.17-1~18.04ubuntu1.10) ...  
Linking and byte-compiling packages for runtime python2.7...  
Setting up python-minimal (2.7.15~rc1-1) ...  
Selecting previously unselected package python.  
(Reading database ... 204190 files and directories currently installed.)  
Preparing to unpack .../00-python_2.7.15~rc1-1_amd64.deb ...  
Unpacking python (2.7.15~rc1-1) ...  
Selecting previously unselected package python-dnspython.  
Preparing to unpack .../01-python-dnspython_1.15.0-1_all.deb ...  
Unpacking python-dnspython (1.15.0-1) ...  
Selecting previously unselected package python-crypto.  
Preparing to unpack .../02-python-crypto_2.6.1-8ubuntu2_amd64.deb ...  
Unpacking python-crypto (2.6.1-8ubuntu2) ...  
Selecting previously unselected package python-ldb:amd64.  
Preparing to unpack .../03-python-ldb_2%3a1.2.3-1ubuntu0.2_amd64.deb ...  
Unpacking python-ldb:amd64 (2:1.2.3-1ubuntu0.2) ...
```



```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
Unpacking python-ldb:amd64 (2:1.2.3-1ubuntu0.2) ...  
Selecting previously unselected package python-tdb.  
Preparing to unpack .../04-python-tdb_1.3.15-2_amd64.deb ...  
Unpacking python-tdb (1.3.15-2) ...  
Selecting previously unselected package python-samba.  
Preparing to unpack .../05-python-samba_2%3a4.7.6+dfsg~ubuntu-0ubuntu2.29_amd64.  
deb ...  
Unpacking python-samba (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Selecting previously unselected package samba-common.  
Preparing to unpack .../06-samba-common_2%3a4.7.6+dfsg~ubuntu-0ubuntu2.29_all.de  
b ...  
Unpacking samba-common (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Selecting previously unselected package samba-common-bin.  
Preparing to unpack .../07-samba-common-bin_2%3a4.7.6+dfsg~ubuntu-0ubuntu2.29_am  
d64.deb ...  
Unpacking samba-common-bin (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Selecting previously unselected package tdb-tools.  
Preparing to unpack .../08-tdb-tools_1.3.15-2_amd64.deb ...  
Unpacking tdb-tools (1.3.15-2) ...  
Selecting previously unselected package samba.  
Preparing to unpack .../09-samba_2%3a4.7.6+dfsg~ubuntu-0ubuntu2.29_amd64.deb ...  
Unpacking samba (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Selecting previously unselected package attr.  
Preparing to unpack .../10-attr_1%3a2.4.47-2build1_amd64.deb ...
```

```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
Preparing to unpack .../10-attr_1%3a2.4.47-2build1_amd64.deb ...  
Unpacking attr (1:2.4.47-2build1) ...  
Selecting previously unselected package libnl-route-3-200:amd64.  
Preparing to unpack .../11-libnl-route-3-200_3.2.29-0ubuntu3_amd64.deb ...  
Unpacking libnl-route-3-200:amd64 (3.2.29-0ubuntu3) ...  
Selecting previously unselected package libibverbs1:amd64.  
Preparing to unpack .../12-libibverbs1_17.1-1ubuntu0.2_amd64.deb ...  
Unpacking libibverbs1:amd64 (17.1-1ubuntu0.2) ...  
Selecting previously unselected package ibverbs-providers:amd64.  
Preparing to unpack .../13-ibverbs-providers_17.1-1ubuntu0.2_amd64.deb ...  
Unpacking ibverbs-providers:amd64 (17.1-1ubuntu0.2) ...  
Selecting previously unselected package librados2.  
Preparing to unpack .../14-librados2_12.2.13-0ubuntu0.18.04.10_amd64.deb ...  
Unpacking librados2 (12.2.13-0ubuntu0.18.04.10) ...  
Selecting previously unselected package libcephfs2.  
Preparing to unpack .../15-libcephfs2_12.2.13-0ubuntu0.18.04.10_amd64.deb ...  
Unpacking libcephfs2 (12.2.13-0ubuntu0.18.04.10) ...  
Selecting previously unselected package samba-dsdb-modules.  
Preparing to unpack .../16-samba-dsdb-modules_2%3a4.7.6+dfsg~ubuntu-0ubuntu2.29_  
amd64.deb ...  
Unpacking samba-dsdb-modules (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Selecting previously unselected package samba-vfs-modules.  
Preparing to unpack .../17-samba-vfs-modules_2%3a4.7.6+dfsg~ubuntu-0ubuntu2.29_a  
md64.deb ...
```

```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
md64.deb ...  
Unpacking samba-vfs-modules (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Setting up libwbclient0:amd64 (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Setting up samba-libs:amd64 (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Setting up samba-vfs-modules (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Setting up python2.7 (2.7.17-1~18.04ubuntu1.10) ...  
Setting up samba-common (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
  
Creating config file /etc/samba/smb.conf with new version  
Setting up libnl-route-3-200:amd64 (3.2.29-0ubuntu3) ...  
Setting up libsmbclient:amd64 (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Setting up libpython-stdlib:amd64 (2.7.15~rc1-1) ...  
Setting up tdb-tools (1.3.15-2) ...  
update-alternatives: using /usr/bin/tdbbackup.tdbtools to provide /usr/bin/tdbba  
ckup (tdbbackup) in auto mode  
Setting up samba-dsdb-modules (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Setting up attr (1:2.4.47-2build1) ...  
Setting up python (2.7.15~rc1-1) ...  
Setting up python-ldb:amd64 (2:1.2.3-1ubuntu0.2) ...  
Setting up python-dnspython (1.15.0-1) ...  
Setting up libibverbs1:amd64 (17.1-1ubuntu0.2) ...  
Setting up python-crypto (2.6.1-8ubuntu2) ...  
Setting up python-tdb (1.3.15-2) ...  
Setting up python-samba (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...
```

```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
Setting up python-samba (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Setting up librados2 (12.2.13-0ubuntu0.18.04.10) ...  
Setting up libcephfs2 (12.2.13-0ubuntu0.18.04.10) ...  
Setting up ibverbs-providers:amd64 (17.1-1ubuntu0.2) ...  
Setting up samba-common-bin (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Setting up samba (2:4.7.6+dfsg~ubuntu-0ubuntu2.29) ...  
Samba is not being run as an AD Domain Controller, masking samba-ad-dc.service.  
Please ignore the following error about deb-systemd-helper not finding samba-ad-  
dc.service.  
Created symlink /etc/systemd/system/multi-user.target.wants/nmbd.service → /lib/  
systemd/system/nmbd.service.  
Failed to preset unit: Unit file /etc/systemd/system/samba-ad-dc.service is mask  
ed.  
/usr/bin/deb-systemd-helper: error: systemctl preset failed on samba-ad-dc.servi  
ce: No such file or directory  
Created symlink /etc/systemd/system/multi-user.target.wants/smbd.service → /lib/  
systemd/system/smbd.service.  
Processing triggers for mime-support (3.60ubuntu1) ...  
Processing triggers for ureadahead (0.100.0-21) ...  
Processing triggers for desktop-file-utils (0.23-1ubuntu3.18.04.2) ...  
Processing triggers for libc-bin (2.27-3ubuntu1.5) ...  
Processing triggers for systemd (237-3ubuntu10.56) ...  
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...  
Processing triqqers for gnome-menus (3.13.3-11ubuntu1.1) ...
```

```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
Created symlink /etc/systemd/system/multi-user.target.wants/smbd.service → /lib/  
systemd/system/smbd.service.  
Processing triggers for mime-support (3.60ubuntu1) ...  
Processing triggers for ureadahead (0.100.0-21) ...  
Processing triggers for desktop-file-utils (0.23-1ubuntu3.18.04.2) ...  
Processing triggers for libc-bin (2.27-3ubuntu1.5) ...  
Processing triggers for systemd (237-3ubuntu10.56) ...  
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...  
Processing triggers for gnome-menus (3.13.3-11ubuntu1.1) ...  
Processing triggers for ufw (0.36-0ubuntu0.18.04.1) ...  
ubuntu@ubuntu:~$ where is samba  
where: command not found  
ubuntu@ubuntu:~$ whereis samba  
samba: /usr/sbin/samba /usr/lib/x86_64-linux-gnu/samba /etc/samba /usr/share/sam  
ba /usr/share/man/man8/samba.8.gz /usr/share/man/man7/samba.7.gz  
ubuntu@ubuntu:~$ sudo mkdir -p/home/sharing  
mkdir: invalid option -- '/'  
Try 'mkdir --help' for more information.  
ubuntu@ubuntu:~$ sudo mkdir -p /home/sharing  
ubuntu@ubuntu:~$ ls /home  
sharing ubuntu
```

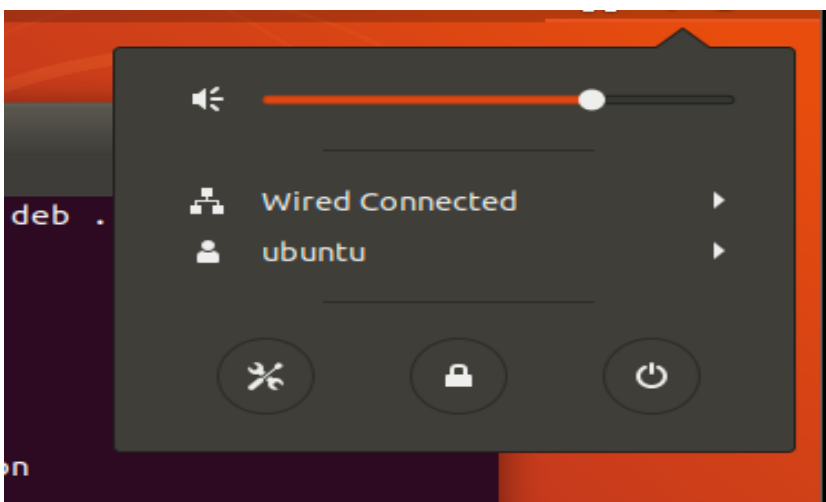
Installing openssh-server openssh-client on a virtual machine

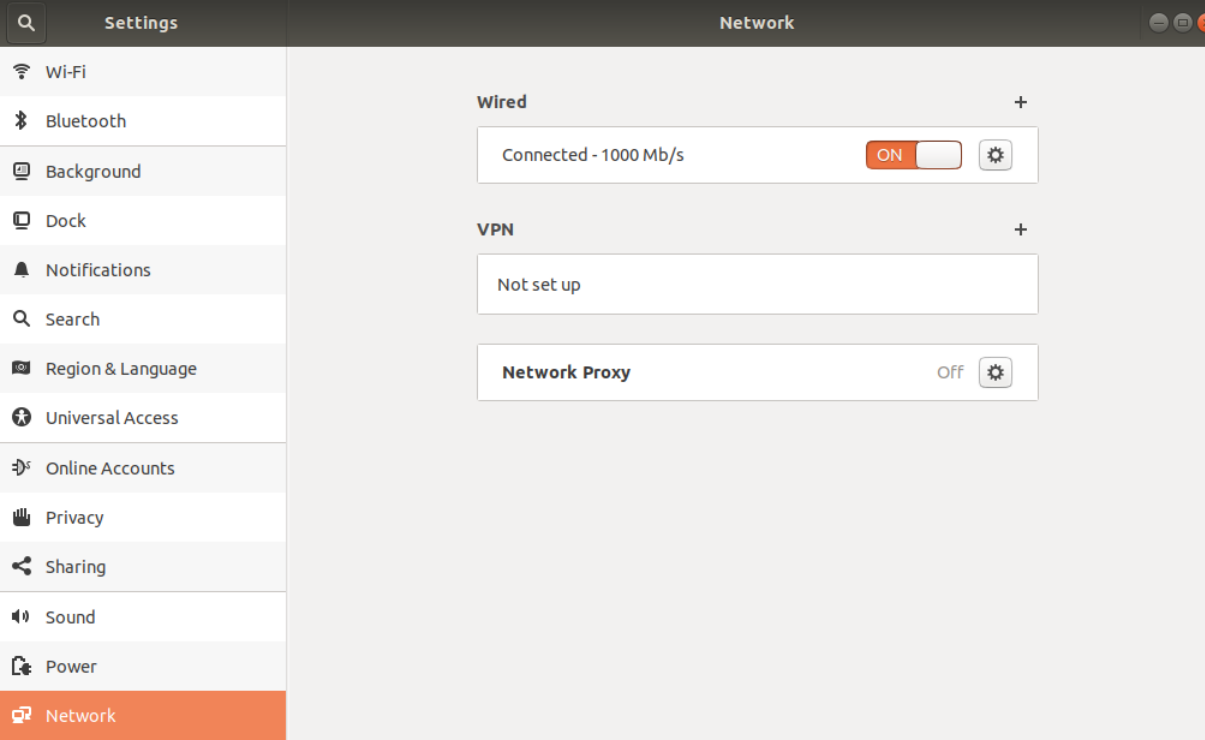
```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
ubuntu@ubuntu:~$ sudo apt-get install openssh-server openssh-client  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  linux-headers-5.4.0-132-generic linux-hwe-5.4-headers-5.4.0-132  
  linux-image-5.4.0-132-generic linux-modules-5.4.0-132-generic  
  linux-modules-extra-5.4.0-132-generic  
Use 'sudo apt autoremove' to remove them.  
The following additional packages will be installed:  
  ncurses-term openssh-sftp-server ssh-import-id  
Suggested packages:  
  keychain libpam-ssh monkeysphere ssh_askpass molly-guard rssh  
The following NEW packages will be installed:  
  ncurses-term openssh-server openssh-sftp-server ssh-import-id  
The following packages will be upgraded:  
  openssh-client  
1 upgraded, 4 newly installed, 0 to remove and 139 not upgraded.  
Need to get 1,246 kB of archives.  
After this operation, 5,320 kB of additional disk space will be used.  
Do you want to continue? [Y/n] Y  
Get:1 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 openssh-clie  
nt amd64 1:7.6p1-4ubuntu0.7 [610 kB]  
Get:2 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 ncurses-term
```

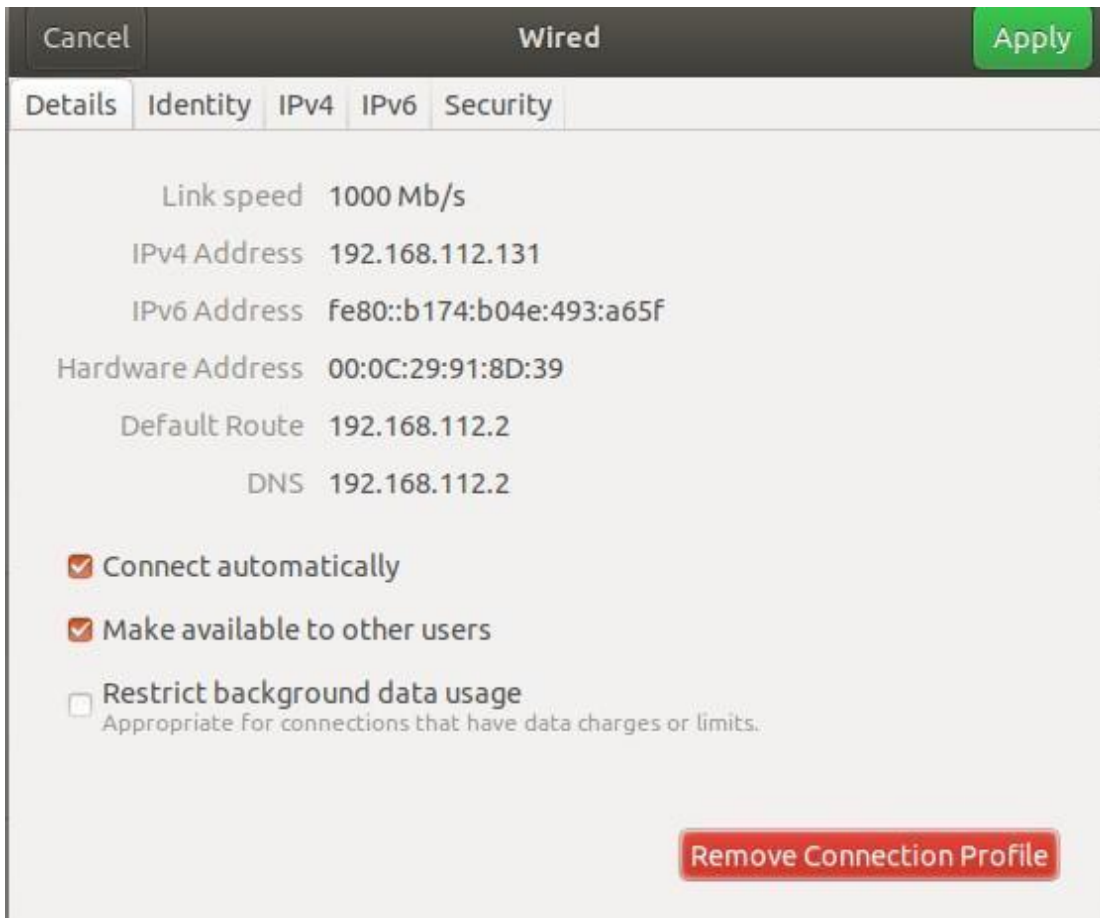


```
ubuntu@ubuntu: ~  
File Edit View Search Terminal Help  
Preparing to unpack .../ssh-import-id_5.7-0ubuntu1.1_all.deb ...  
Unpacking ssh-import-id (5.7-0ubuntu1.1) ...  
Setting up ncurses-term (6.1-1ubuntu1.18.04) ...  
Setting up openssh-client (1:7.6p1-4ubuntu0.7) ...  
Setting up ssh-import-id (5.7-0ubuntu1.1) ...  
Setting up openssh-sftp-server (1:7.6p1-4ubuntu0.7) ...  
Setting up openssh-server (1:7.6p1-4ubuntu0.7) ...  
  
Creating config file /etc/ssh/sshd_config with new version  
Creating SSH2 RSA key; this may take some time ...  
2048 SHA256:kgIw0SJprPm5p6Q0+xS/MAAyFcb9SJhuw9N04MQqfco root@ubuntu (RSA)  
Creating SSH2 ECDSA key; this may take some time ...  
256 SHA256:hem7PMA9C1vm0cAiNgpifQg5VfuAtKf27CV4Fr/3TFY root@ubuntu (ECDSA)  
Creating SSH2 ED25519 key; this may take some time ...  
256 SHA256:QofH/KhY0G9A6inK2uzZYIOFVQ0d/EfmRsxECJ8mxd8 root@ubuntu (ED25519)  
Created symlink /etc/systemd/system/ssh.service → /lib/systemd/system/ssh.service.  
Created symlink /etc/systemd/system/multi-user.target.wants/ssh.service → /lib/systemd/system/ssh.service.  
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...  
Processing triggers for ufw (0.36-0ubuntu0.18.04.1) ...  
Processing triggers for ureadahead (0.100.0-21) ...  
Processing triggers for systemd (237-3ubuntu10.56) ...  
ubuntu@ubuntu:~$
```

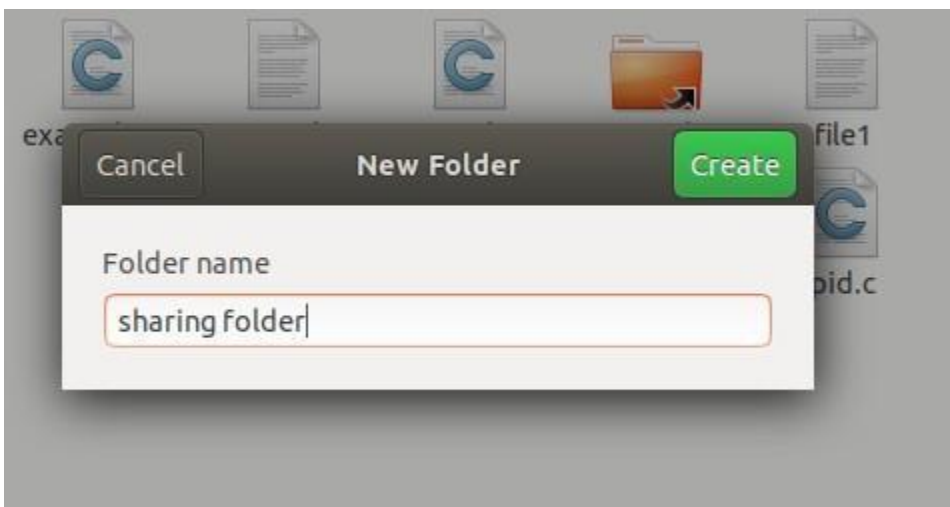
Check the IP address of virtual machine 1.





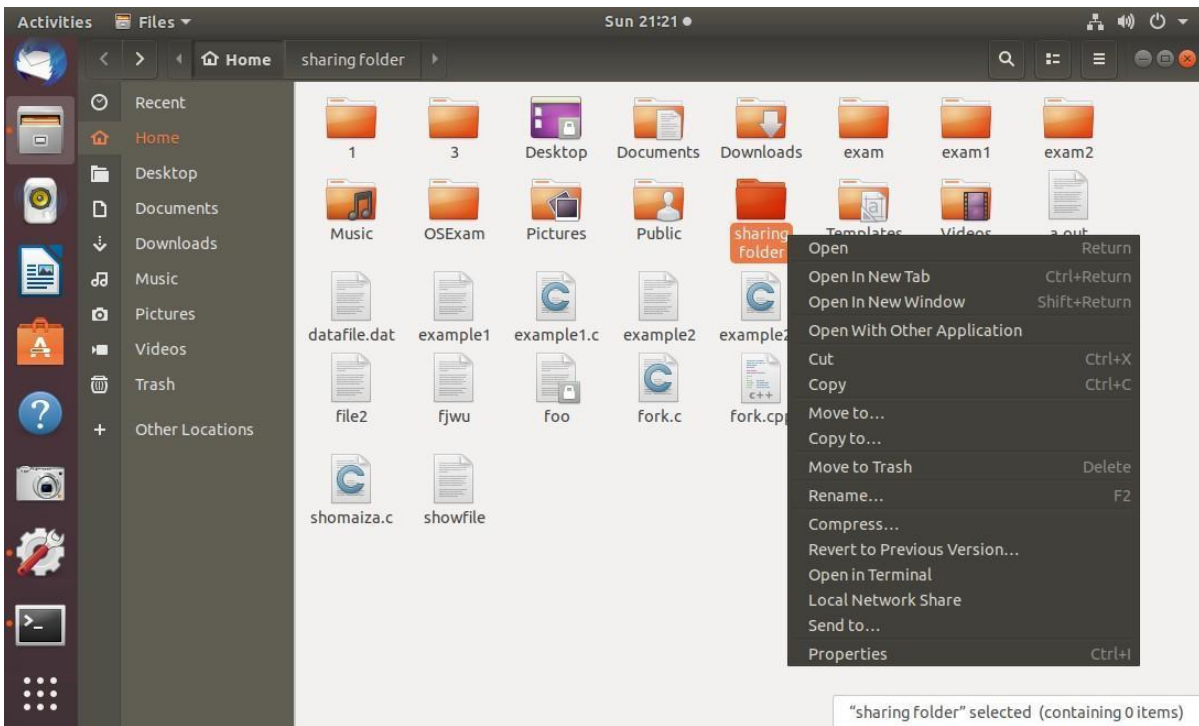


Create a folder “Sharing Folder”.



Right click on the folder

click on “**Local share network option.**”

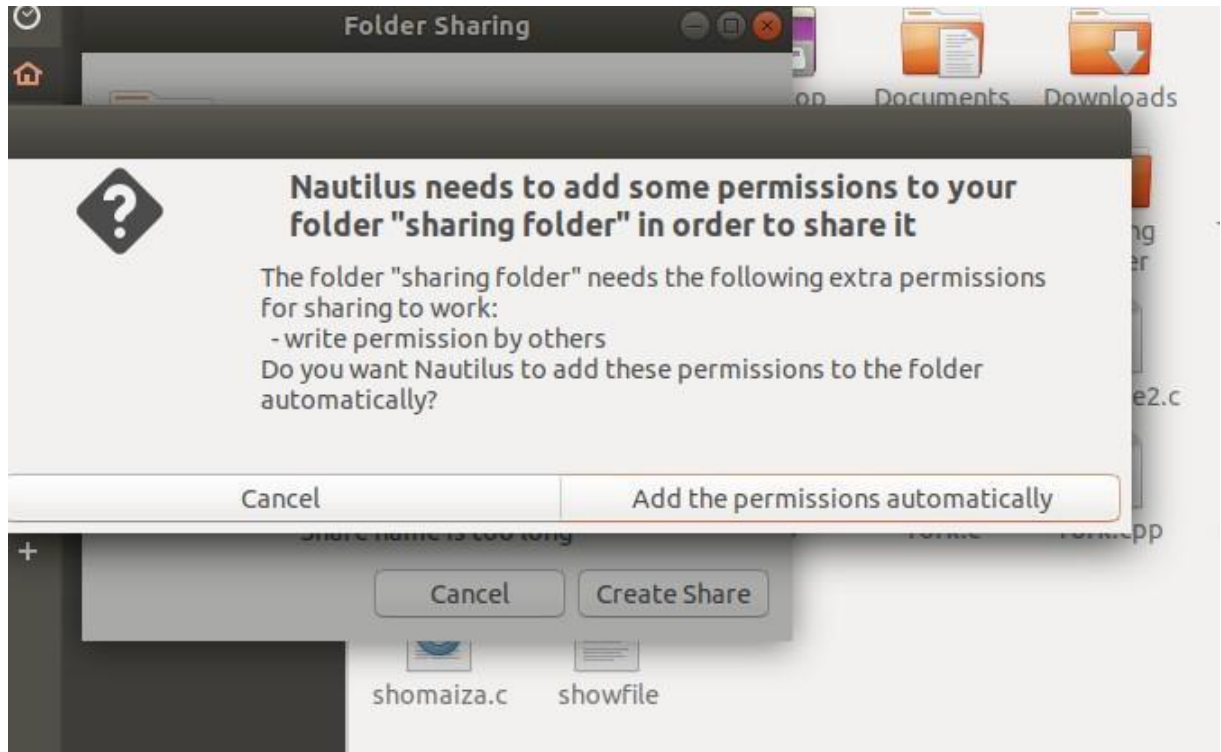


Click on **“Share this folder”**.

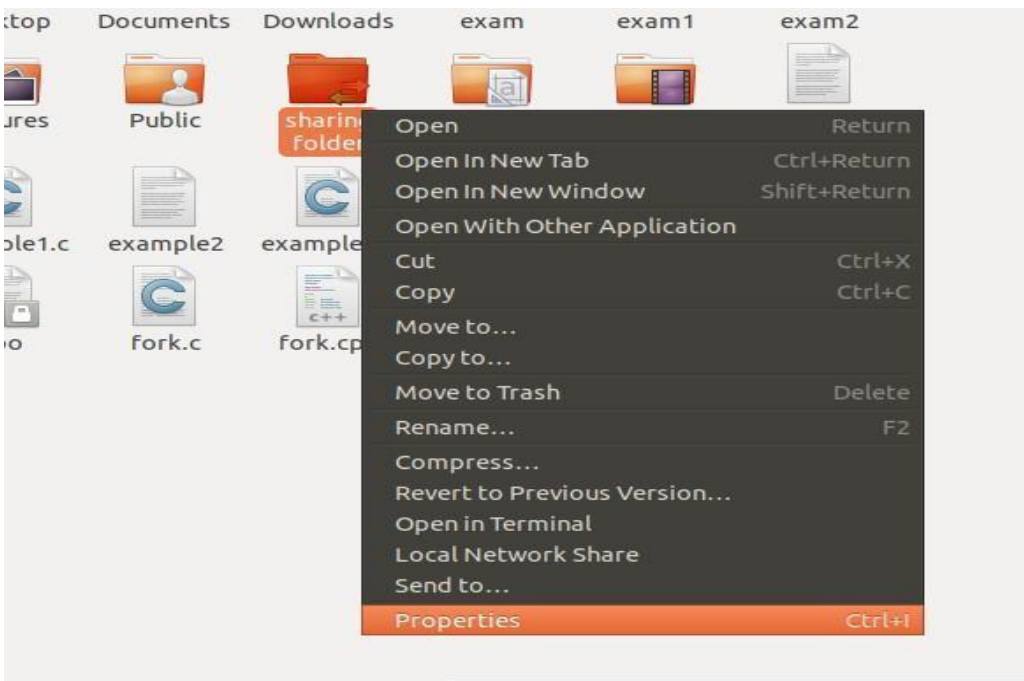


Click on **“add the permission automatically”**.



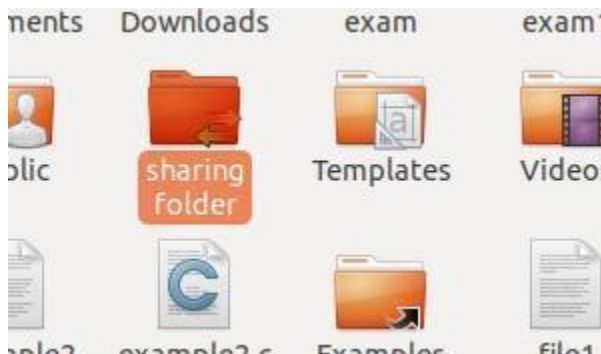
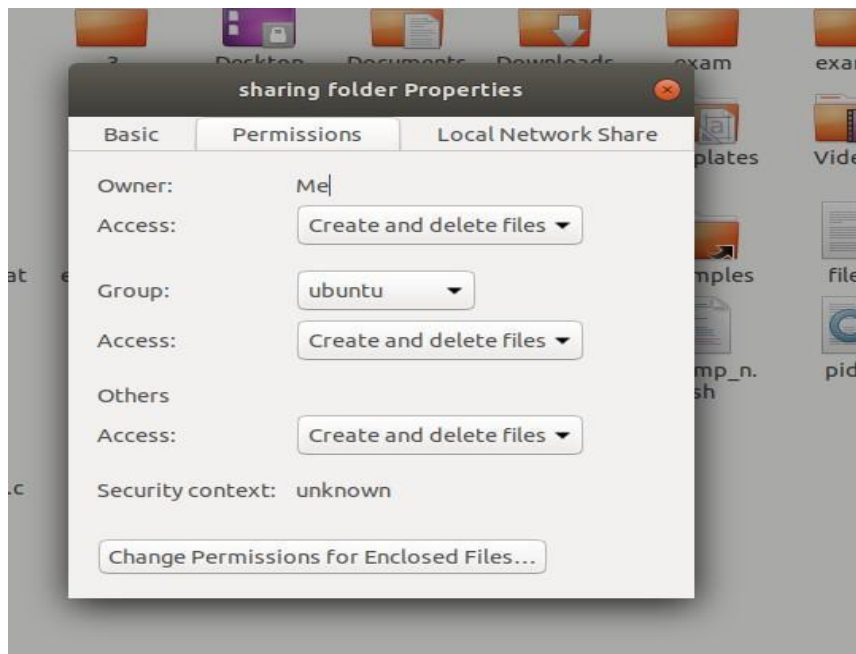


For permissions right click on “**sharing folder**”.  
And then go on to **properties**.

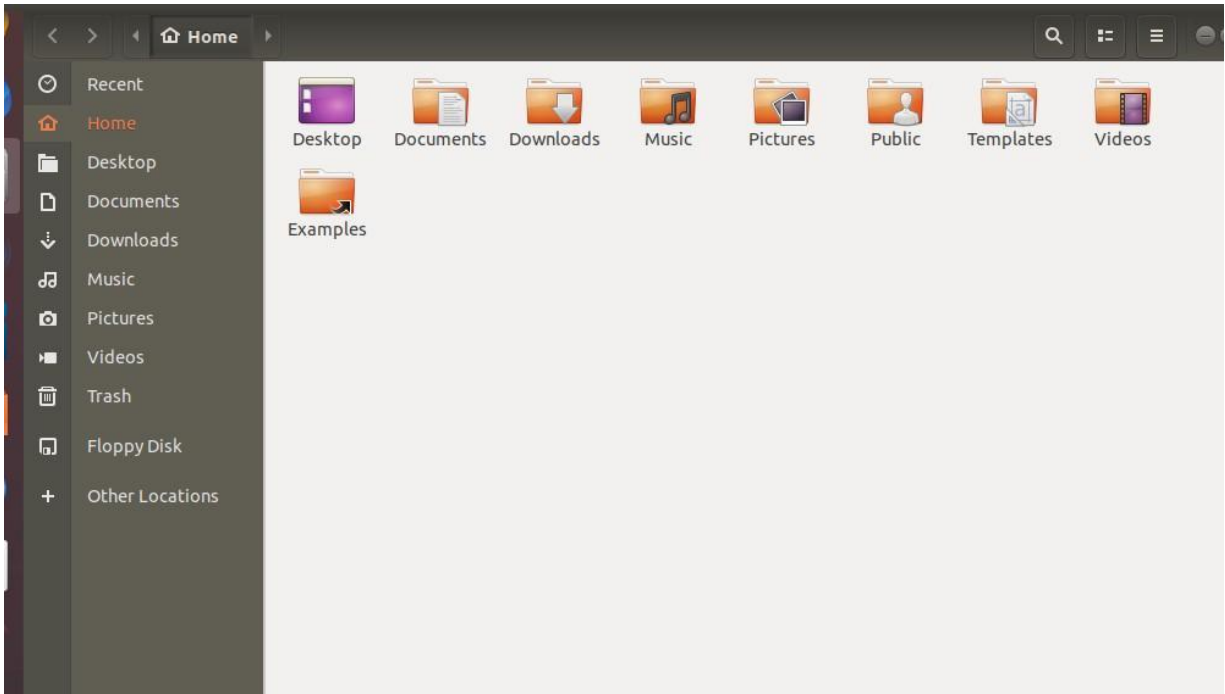


**Sharing folder** properties dialogue box will open.  
in permissions we gave create and files

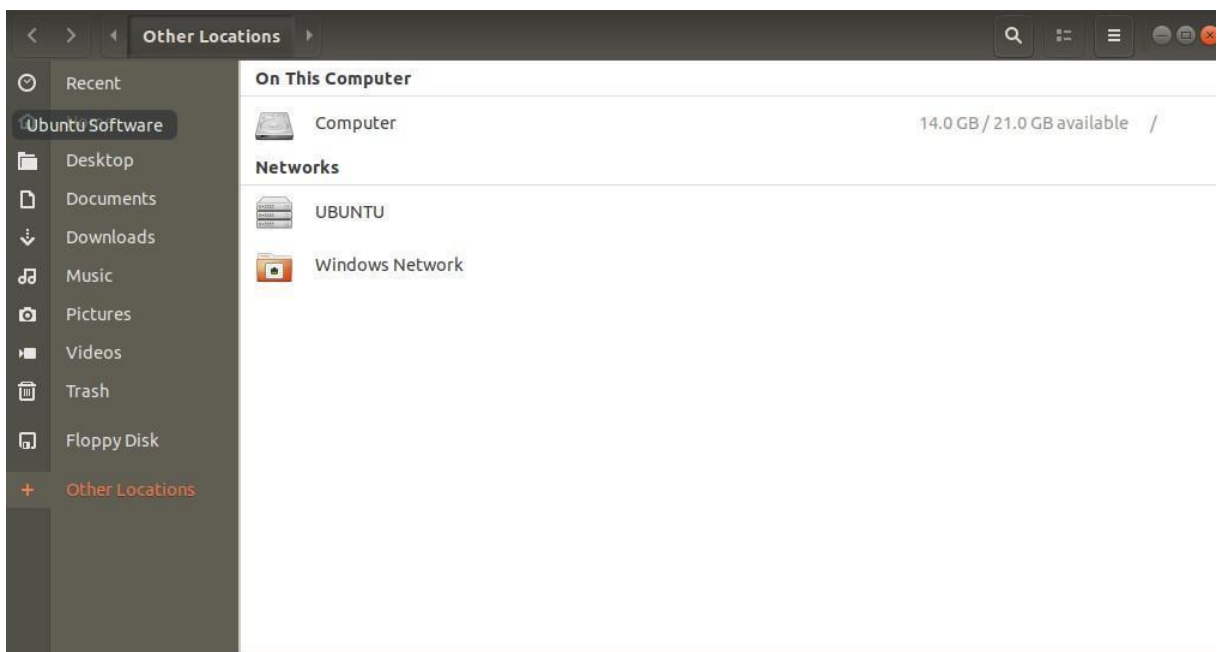
permissions.



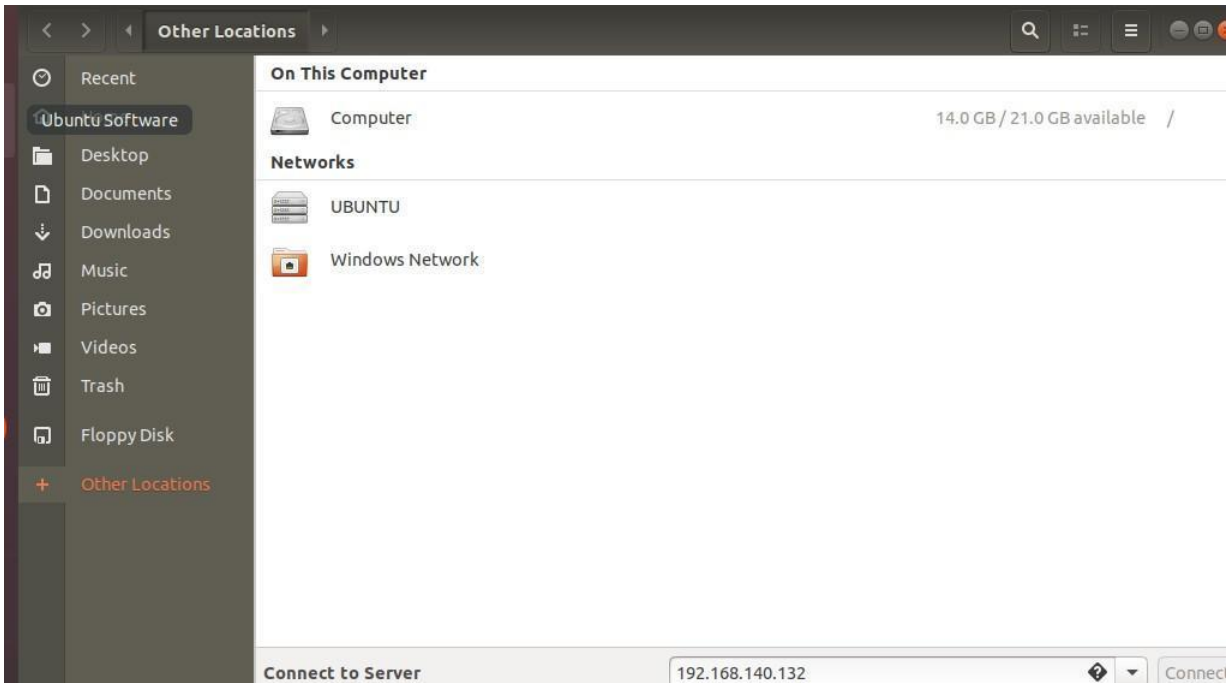
## SECOND VIRTUAL MACHINE



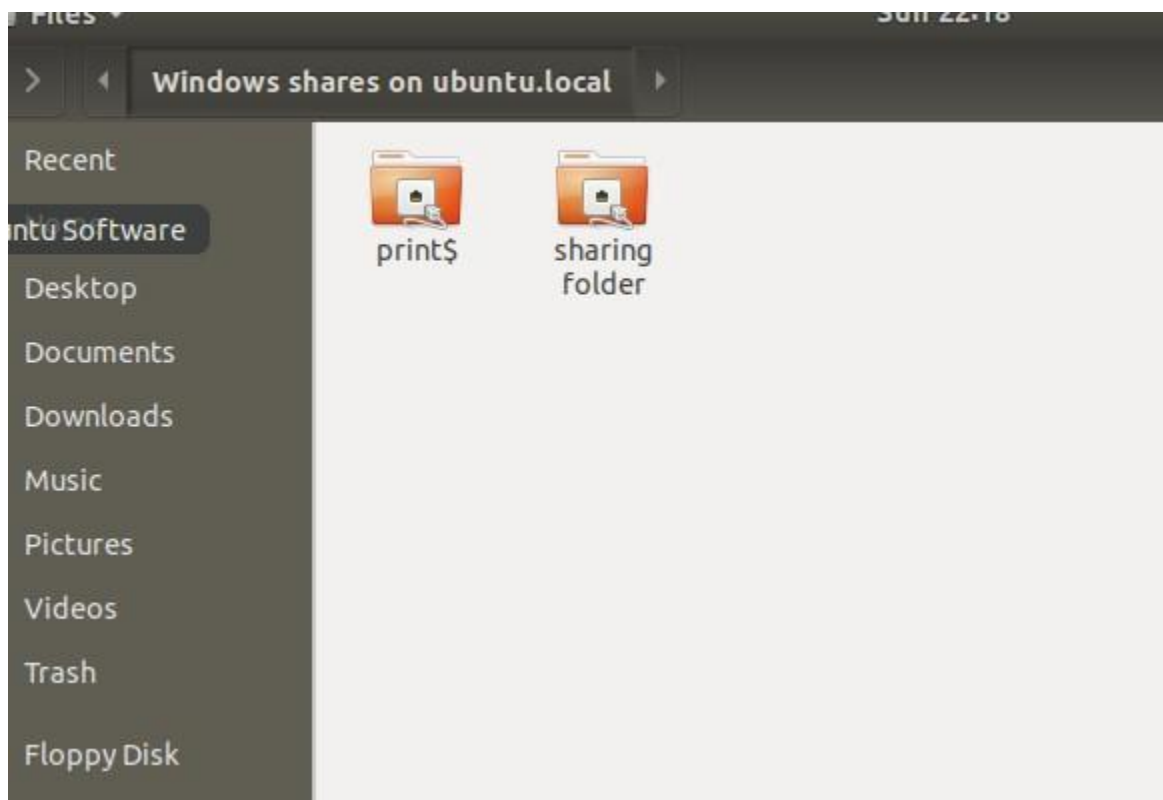
Click on **“other locations”**.



Write the IP address of virtual machine 1.

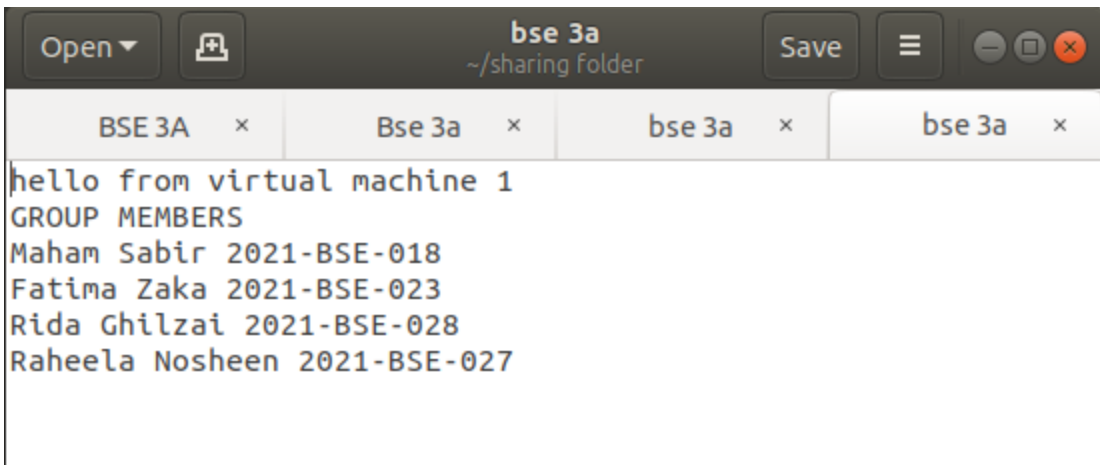


“Sharing folder” will be shown.

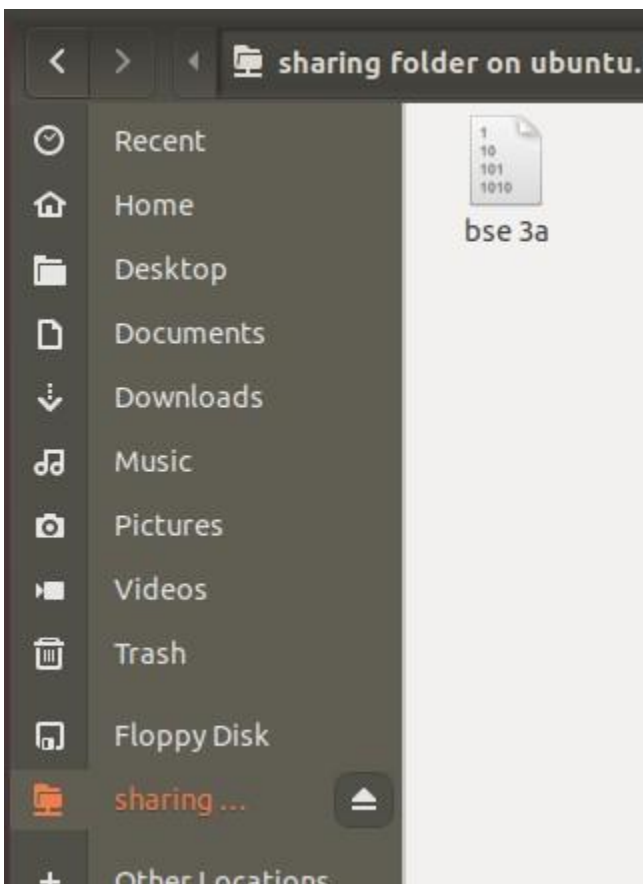


Creating a file in Virtual machine 1 in a folder name “Sharing folder”

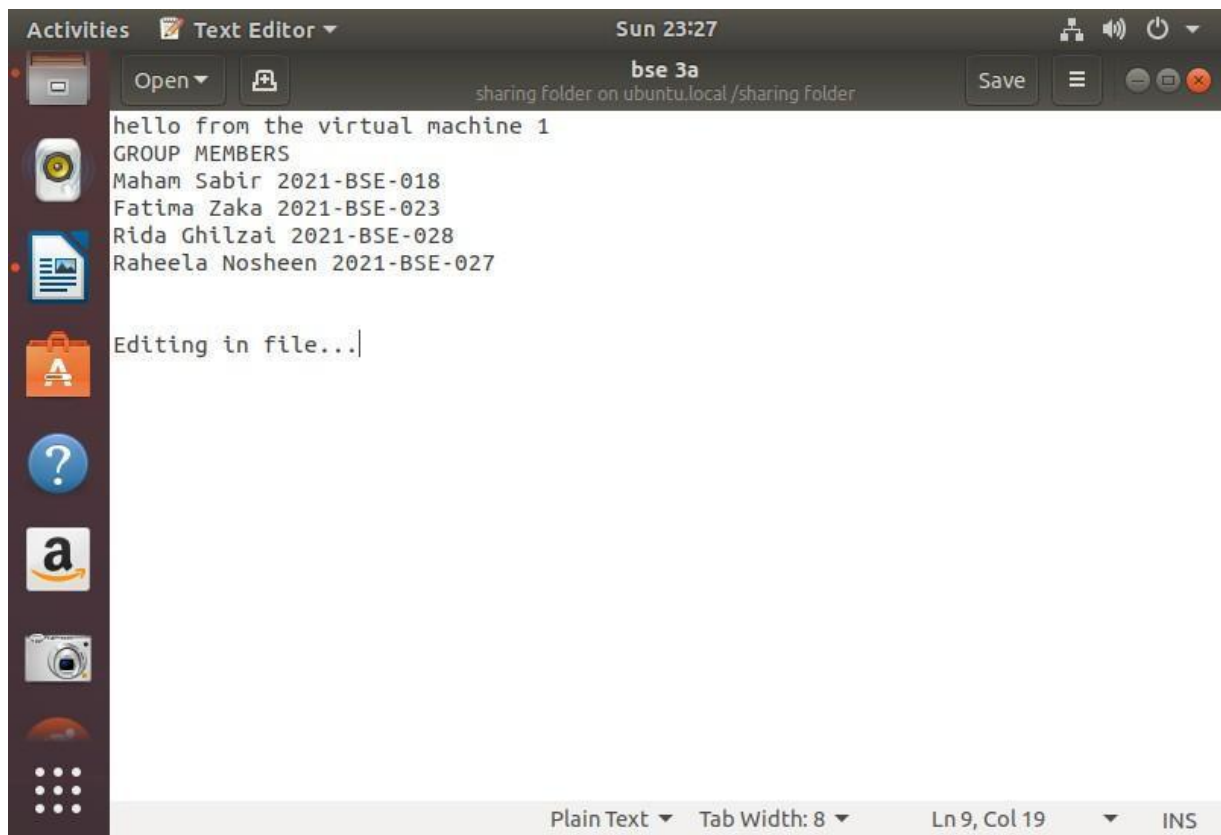




Automatically it will be created in **virtual machine 2**



Edit in shared file using **Virtual machine 2**



Automatically it will be updated in a file that is in **Virtual Machine 1**

