



Savoir-faire  
LINUX

# Sharing Files and Drives in Linux

*The short way*

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1 Sharing a Drive

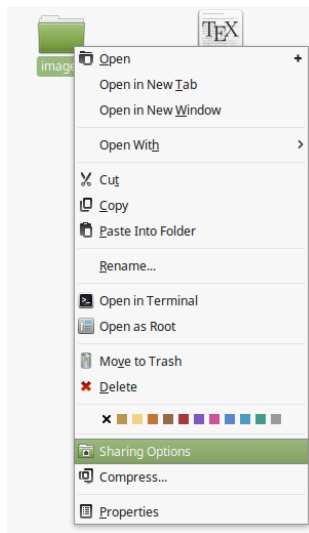
2 More things you can do

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# Purpose

- Share some files with people who use Linux, Windows, or other
- Share files between machines
- Make files accessible throughout your home or office (but not outside those walls)

# Open the Sharing Options (right-click)



# Folder Properties

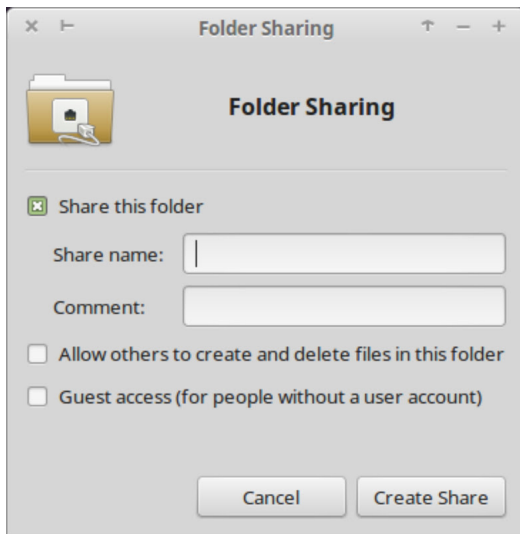


Figure: Pic and guidance from MagicMint, 2016

## Fix a few details

Install Samba, the SMB file server, & create the expected folder with the right permissions

```
$ sudo su - # to become root
# apt-get install samba
# /etc/init.d/samba restart
# mkdir /var/lib/samba/usershares/
# chmod 1775 /var/lib/samba/usershares/
# chown root:sambashare /var/lib/samba/usershares/
# service samba restart # or try /etc/init.d/samba restart
# exit
```

# Update the firewall configuration (if you have one set up)

```
$ sudo ufw allow samba
```

## Another potential fix

In case your computer has a long name (> 15 characters)

Samba prefers short names (less than 15 characters). Add the following line in `/etc/samba/smb.conf`, just after the line with “server string...”:

```
netbios name = Whatever
```

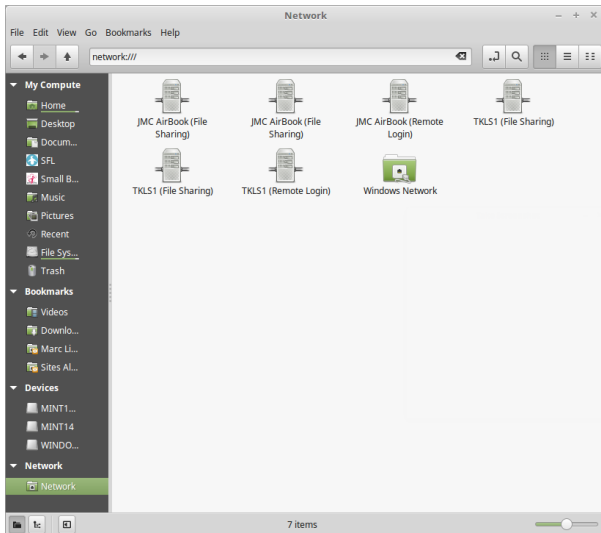
(Change `Whatever` by whatever you want your computer name to be.)

```
$ sudo su - # to become root
# gedit /etc/samba/smb.conf
# exit
```



# Browse the Network (same computer or another)

Click on "Windows Network" and keep clicking under you see your folders



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# Set a Work Group

Let's create our own "SBDI" group

You need to edit the config file `/etc/samba/smb.conf`

```
$ sudo su - # to become root
# gedit /etc/samba/smb.conf
# exit
```

After "workgroup = ", change WORKGROUP for SBDI. Save the file and restart Samba.

```
$ sudo /etc/init.d/samba restart
```

# Debugging

Get information on what's going on

```
$ testparm -s  
$ net usershare info --long
```

For more information see [Ubuntu Documentation, 2014](#)

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# References

MagicMint. (2016). HOWTO Make Folder (File) Sharing Work Under Rebecca. Retrieved from

<https://community.linuxmint.com/tutorial/view/1937>

Ubuntu Documentation. (2014). Samba/SambaServerGuide. Retrieved from

<https://help.ubuntu.com/community/Samba/SambaServerGuide>