superuser

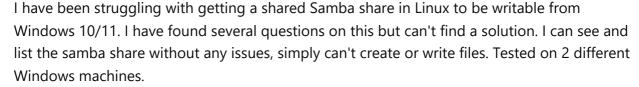# Ubuntu 22.04 File sharing (write permissions issue) with Windows 10/11

Asked 1 year, 5 months ago   **Modified** 1 month ago   **Viewed** 5k times

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I have been struggling with getting a shared Samba share in Linux to be writable from Windows 10/11. I have found several questions on this but can't find a solution. I can see and list the samba share without any issues, simply can't create or write files. Tested on 2 different Windows machines.

I did have this setup working a few years ago and if memory serves I had to install additional features in windows and a couple of tweaks in the smb.conf but not sure what those were. I have tried mounting the HDD using both `ntfs-3g` and `cifs`, using the `uid` and `gid` for a user I created for samba shares *netuser*, included `force user = netuser`, setting `fmask=000`, `dmask=000`, and `rw`, all with no luck.

One thing I noticed when looking at the permissions from windows it shows the owner as *netuser*, Everyone has only Special Permissions and looking at the Advanced Permissions shows Access with Full control.

My current fstab

```
/dev/sda1 /mnt/sda1 ntfs-3g x-gvfs-show,dmask=000,fmask=000,rw,uid=1001,gid=1001 0 0
```

Samba Config

```
[PublicFiles]
path = /mnt/sda1/Public
guest ok = yes
browseable = yes
read only = no
writable = yes
create mask = 0777
directory mask = 0777
```

I realize this setup is insecure (testing only), once I find the problem I can tighten things back down. I have not added any Windows Features, are there any I need to check to enable write permissions?

I know there has been a lot of changes, especially in recent years, is Samba still the way to set this up? I have seen NFS thrown around quite a bit but I am not familiar with it. Figured Samba would be easiest way to get this setup done since it's simply for internal file sharing/organization. I would be open to other ways to get this working if need be.

linux   windows-10   ubuntu   network-shares   samba

Share   Improve this question   Follow   asked Mar 9, 2023 at 11:26

Andy Braham
213   3   6

1 Answer

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There are two ways I use:

(1) In Linux: \\192.168.x.y\folder where this is the IP of the Windows Machine

(2) In Windows: **Implement Samba on Linux.**

Follow this tutorial

[Samba Tutorial](#)

1. Installing Samba

In the Linux machine, install Samba .

```
sudo apt update
sudo apt install samba
```

Use whereis samba to verify the install.

2. Setting up Samba .

Make a directory to share: mkdir /home//sambashare .

Edit the smb.conf file: sudo nano /etc/samba/smb.conf .

Add the following lines at the bottom of the file:

```
[sambashare}
comment = Samba on Ubuntu
path = /home/<username>/sambashare
read only = no
browsable = yes
```

Ctrl-O to save and Ctrl-X to exit the editor .

Restart the samba service: sudo service smd restart .

Update the firewall rules if necessary: sudo ufw allow samba .

Setting up User Accounts and Connecting to Share

sudo smbpasswd -a and password

(username must belong to a system account or it will not work)

In Linux:

smb://ip_address_of_Linux/sambashare

Share Improve this answer Follow   edited Mar 10, 2023 at 15:07   answered Mar 9, 2023 at 12:44

anon

Thank you, I was able to get the share to show up and everything, I can see the files from windows, only problem is I can't seem to be able to write from windows. – Andy Braham Mar 9, 2023 at 13:57

Are your account credentials correct according to the tutorial. No issue here transferring files (so writing) between Windows and Ubuntu. – anon Mar 9, 2023 at 16:48