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## Setting up Simple Samba File Shares

2020-08-29 by jay

Have you ever wanted to create a wide-open file share on your LAN to enable your users to quickly and easily share files? In this video, the viewer is shown the process of setting up a custom Samba implementation on Debian/Ubuntu that makes sharing files on your LAN easy.

### Setting up Simple Samba File Shares



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## Install Samba

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

## Stop Samba daemon

Check if it's running:

```
sudo systemctl status smbd
```

If it is, stop the daemon:

```
sudo systemctl stop smbd
```

## Back up Samba config file

```
sudo mv /etc/samba/smb.conf
```

## Create new Samba config file

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

New file (change the items in bold accordingly):

```
[global]
server string = File Server
workgroup = LLTV
security = user
map to guest = Bad User
```

```
name resolve order = bcast host  
include = /etc/samba/shares.conf
```

## Create Samba shares config file

```
sudo vim /etc/samba/shares.conf
```

New file (change the items in bold accordingly):

```
[Public Files]  
path = /share/public_files  
force user = smbuser  
force group = smbgroup  
create mask = 0664  
force create mode = 0664  
directory mask = 0775  
force directory mode = 0775  
public = yes  
writable = yes
```

```
[Protected Files]  
path = /share/private_files  
force user = smbuser  
force group = smbgroup  
create mask = 0664  
force create mode = 0664  
directory mask = 0775  
force directory mode = 0775  
public = yes  
writable = no
```

## Create samba user and group

Create group:

```
sudo groupadd --system smbgroup
```

Create user:

```
sudo useradd --system --no-create-home --group smbgroup -s /bin/false  
smbuser
```

## Create shared directories

Create directories:

```
sudo mkdir -p /share/public_files  
sudo mkdir /share/private_files
```

Change ownership/permissions:

```
sudo chown -R smbuser:smbgroup /share  
sudo chmod -R g+w /share
```

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🔖 file share, file sharing, home sharing, Homelab, lan, samba, share, sharing

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