Welcome!

Raspberry Pi Samba

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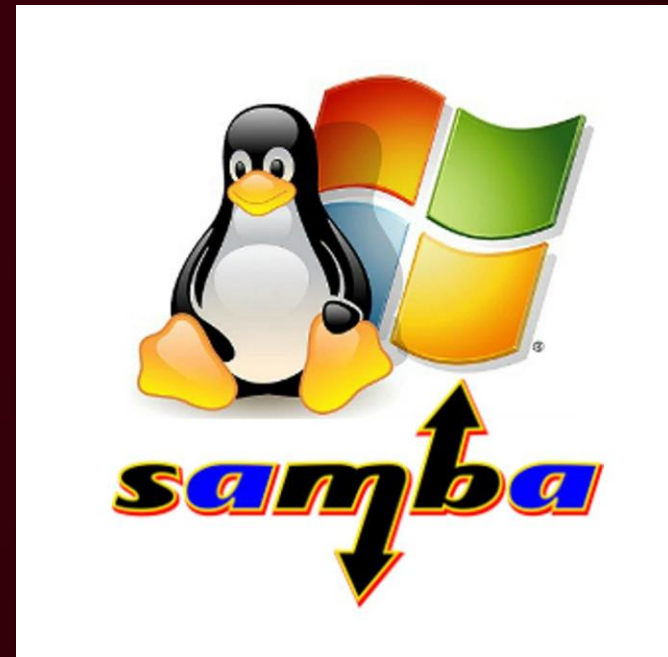www.mhelfrich.me

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Topics

- What is Samba?

- What can we do with Samba?

- Installing and configuring Samba

What is Samba?

- **Samba –** Standard Windows interoperability suite for Linux and Unix.
- Extremely lightweight.
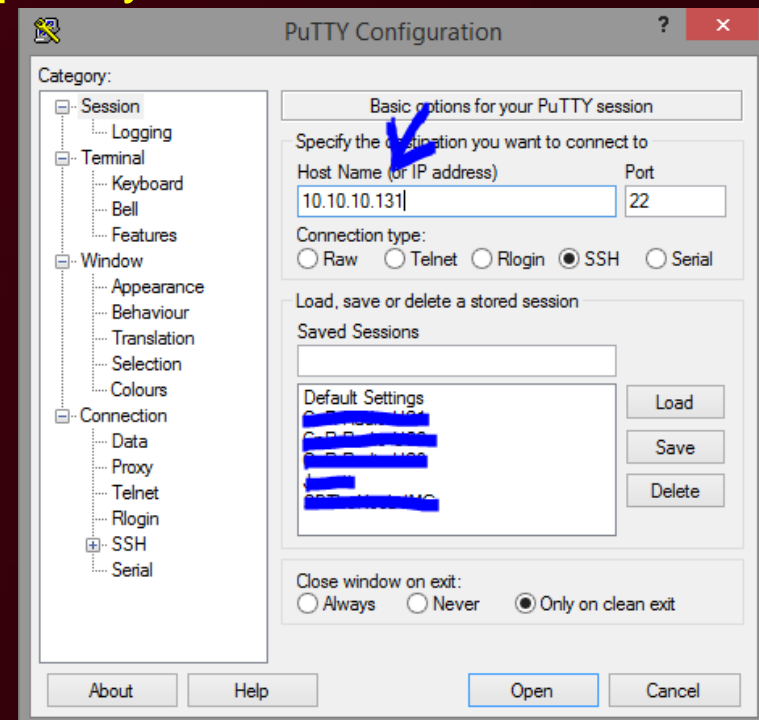- Very easy to setup and maintain.

Why would I want Samba?

- Setup network shares for remote storage
  - Create network drives and give specific users access to read/write/execute.
- Setup networked printers
  - Plug a USB printer in and create a networked printer.
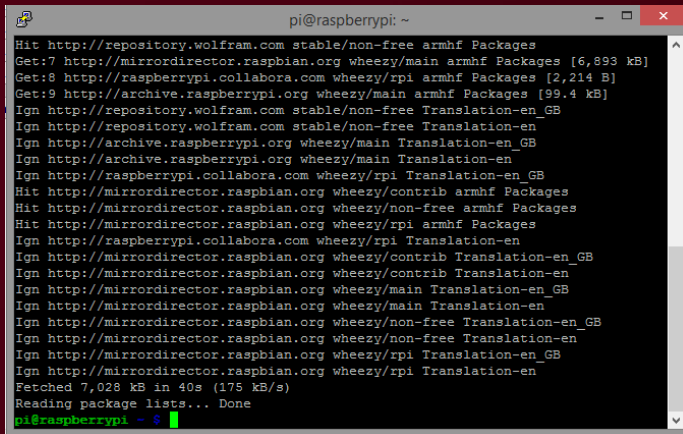- Retrieve files from home over a VPN with Samba.

1. SSH into the Raspberry Pi

- We need to SSH into the Raspberry Pi.

- This assumes we know the IP address and that the SSH server is running. By default, it will be running on port 22

- If you need obtain the IP, plug your Raspberry Pi into a TV/Monitor.

- Login with the following credentials:
  - Username: pi
  - Password: raspberry

- Run the command ifconfig

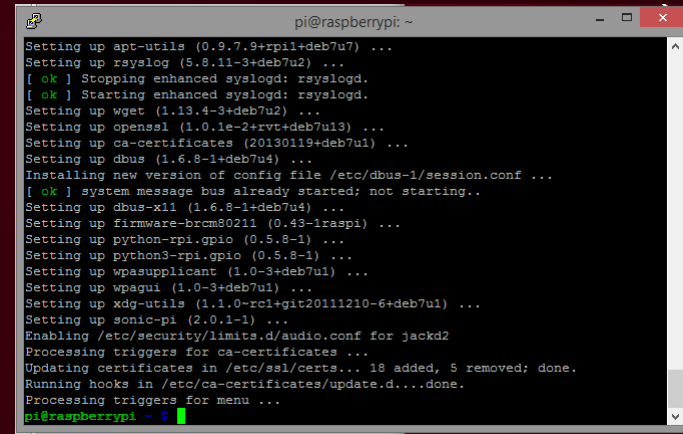- It will return an IP address

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2. Run Updates/Upgrades

- We need to make sure the repositories and packages on the Raspberry Pi are up-to-date.

- Run the following commands:
  - sudo apt-get update
  - sudo apt-get upgrade

- Follow the prompts and answer Y when necessary.

3. Install Samba

- We need to start the installation process for Samba!
- Run the following command:
  - sudo apt-get install samba samba-common-bin
- The command above will fetch the Samba package and install it for you.

4. Configuring Samba

- We need to configure Samba
- Run the following command:
  - sudo smbpasswd –a pi
- The above command will allow you to set a Samba password for the Linux user, pi.
- Run the following command:
  - sudo nano /etc/samba/smb.conf

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5. Configuring Samba

Once "smb.conf" has loaded, add this to the very end of the file:

[network]

path = /home/pi/

available = yes

valid users = pi

read only = no

browseable = yes

public = no

writable = yes

6. Starting Samba

- We need to start motion now!
- Run the following command:
  - sudo service samba restart
- We can now access the share from any computer on our network!
  - Open My Computer on any computer and enter the following:
    - \\IP\network\
    - Make sure to change IP to your Raspberry Pi's IP address.
- You can even map it as a network drive on your computers!

Questions?

Feel free to ask any questions you may have now!

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