

Installing HP managed printers in Linux/Ubuntu.

No guarantees are offered that these instructions will work on every distro/configuration but they have been tested independently on two different systems with positive results.

- Run Terminal
- Install samba via `sudo apt install smbclient`
- Install cups by typing `sudo apt install cups`

(If these are already installed use the command `sudo apt update && sudo apt upgrade` to ensure that these (and other) packages are the latest versions.)

- make a copy of `smb.conf` by typing `sudo cp /etc/samba/smb.conf /etc/samba/smb.conf.orig`
- Edit the original version by typing `sudo nano /etc/samba/smb.conf`

- In the [Global] Section of the file add the following on separate lines
`client min protocol = SMB2`
`client max protocol = SMB3`
- Save the file and restart the Samba service – see box on the right→
(or reboot computer)
- In a web browser visit <https://developers.hp.com/hp-linux-imaging-and-printing/install/install/index>
- Download and install the latest HPLIP Package and run it as per their instructions **by terminal**. If there is a prompt to remove the older HPLIP then do so.

```
Start samba:  
sudo service smb start  
  
Stop samba:  
sudo service smb stop  
  
Restart samba:  
sudo service smb restart
```

This is likely to take several minutes.

- In web browser type this address <https://localhost:631/admin>
- Enter your Linux admin username and password
- Click **Printers -> Add new Printer**
- Select **Windows printing via SAMBA**
- For the connection type
`smb://ukc/username:password@staffprint/staff` replacing
`username:password` with your University credentials and click **Continue**

e.g. `smb://ukc/abc555:P@55w0rd5@staffprint/staff`

Remembering to include the colon ":" between the username and password.

- In **Name** enter a name such as Staff and click **Continue**
- In **Make** select HP and select **Next**
- Select the appropriate Color Laserjet Model as per the table on the right →

Level 0 device id mfd-410438 Model: HP Laserjet MFP E87640 Postscript (Recommended)
Level 1 device id mfd-395586 Model: HP Laserjet MFP E77650 Postscript (Recommended)
Level 2 device id mfd-410421 Model: HP Laserjet MFP E87640 Postscript (Recommended)
Level 3 device id mfd-410413 Model: HP Laserjet MFP E87640 Postscript (Recommended)

**The following steps may not always be needed.
 Test your installation accordingly.**

- Run Terminal and stop the Cups service by typing the command
`sudo systemctl stop cups.service`
- Edit the printers.conf file as follows
`sudo nano /etc/cups/printers.conf`

Below the UUID....

Type...

AuthInfoRequired username,password (exactly as shown)

Restart Cups service (or reboot)
`sudo systemctl stop cups.service`