

Linux Printer Setup Instructions

Note: Linux is **not** officially supported in the IMSA environment. This documentation is provided as-is and is at the student's own risk to use.

Prior to Setup

Make sure you have the packages `smbclient` and `lpadmin` installed.

Make sure you are connected to the airimsa network.

Download the supporting ZIP file from [the SCS website](#) and unzip it. The unzipping process may vary between distributions, but it can generally be done either by clicking/double clicking on the zip file in one's graphical file manager, or by using the `unzip` command in a terminal by typing `unzip ./IMSA-PrinterSupportforLinux.zip`

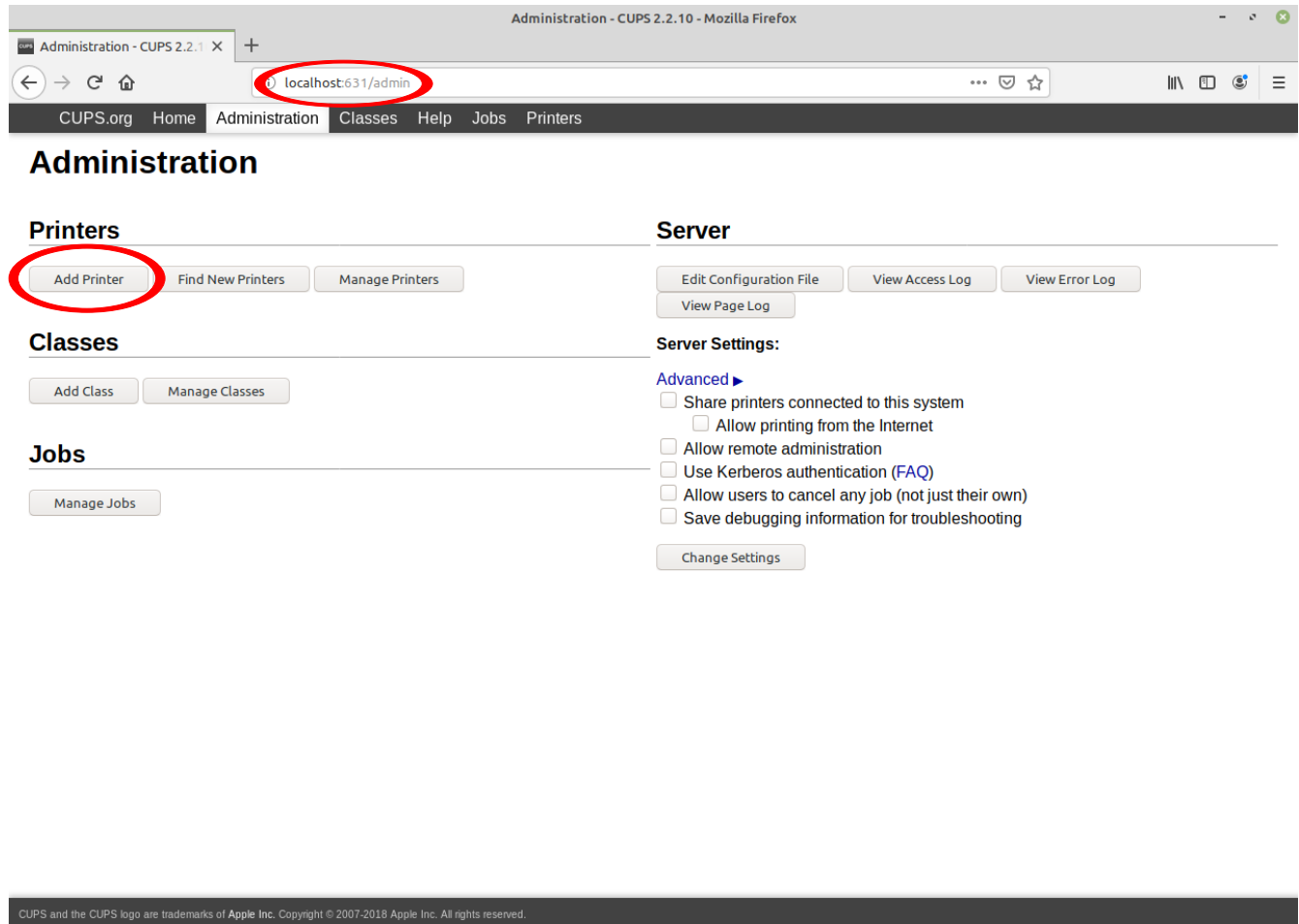
Setup Script

1. Open a terminal and navigate to the directory containing the files `printers.sh` and `xrx7830.ppd`
2. Run `chmod +x printers.sh`
3. Run `./printers.sh`

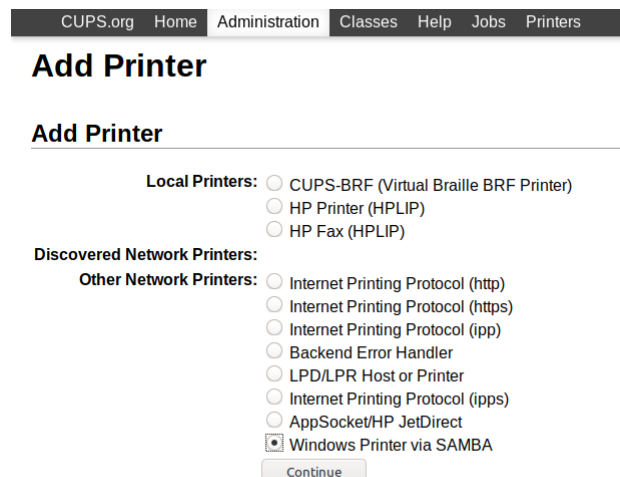
```
user@computer:~$ ./printers.sh
Welcome to the IMSA Linux Printer Tool. Created by Dev Singh '22
Installing IMSA Student Black and White Printer
Installing IMSAStudentColor
Finished installing printers!
user@computer:~$ █
```

Manual Setup

1. Open a web browser and navigate to `localhost:631/admin`. Click the “Add Printer” button.



2. Click the “Windows Printer via SAMBA” button and click continue.



3. In the box labeled “Connection”, enter

`smb://print.imsa.edu/imsastudentbw` and click continue.

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Add Printer

Add Printer

Connection:

Examples:

```
http://hostname:631/ipp/
http://hostname:631/ipp/port1

ipp://hostname/ipp/
ipp://hostname/ipp/port1

lpd://hostname/queue

socket://hostname
socket://hostname:9100
```

See "Network Printers" for the correct URI to use with your printer.

4. Give the printer a name, description, and location. Click continue.

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Add Printer

Add Printer

Name:
(May contain any printable characters except "/", "#", and space)

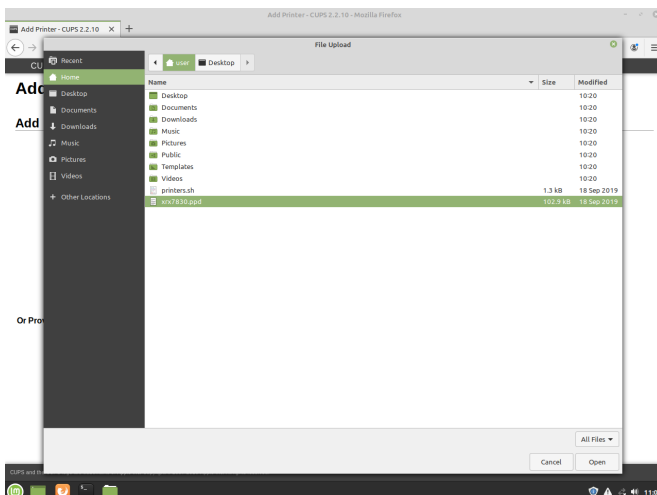
Description:
(Human-readable description such as "HP LaserJet with Duplexer")

Location:
(Human-readable location such as "Lab 1")

Connection:

Sharing: Share This Printer

5. Click the button next to “Provide a PPD File” to upload the file named `xrx7830.ppd`. Click the “Add Printer” button.



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Add Printer

Add Printer

Name: IMSASStudentBW

Description: IMSA Student Black and White Printer

Location: IMSA

Connection:

Sharing: Do Not Share This Printer

Make: (Fuji Xerox)
Alps
Amitech
Apollo
Apple
Brother
Canon
CIAAT
Citizen
Citoh

Or Provide a PPD File:

6. Go to “Finishing Options” and change “2 Sided Printing” to “1-Sided Print”.
Click “Set Default Options”.

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Set Printer Options

Set Default Options for IMSAStudentBW

Query Printer for Default Options

[General](#) [Print Quality/Color](#) [Media Options](#) [Finishing Options](#) [JCL](#) [Banners](#) [Policies](#) [Port Monitor](#)

Finishing Options

2 Sided Printing: 1-Sided Print ▾

Collated: Off On

Stapling: No Staples ▾

Fold: None ▾

Hole Punch: No Hole Punching ▾

Set Default Options

7. Repeat instructions 1-6, substituting `imsastudentbw` for `imsastudentcolor` in Step 4.