
Setting up the printer in Linux

The following instructions were tested using Ubuntu 20.04 LTS. They should work for all distributions using either the deb or rpm package format. Others might need some workaround¹.

1 Prerequisites

Make sure that you have cups and the samba-backend installed. The command to be used depends on your distribution and your distribution's package manager, e.g. on Debian and some of its derivatives including Ubuntu:

```
$ sudo apt install cups cups-client
$ sudo apt install smbclient
```

On rpm-based distributions use instead:

```
$ sudo yum install cups cups-client
$ sudo yum install samba-client
```

2 Installing the driver

Download the “Driver Install Tool” from Brother² and execute it by following the directions on the website. When asked:

- The model name is MFC-L6800DW.
- Do not specify a device URI.

```
$ cd ~/Downloads
$ gunzip linux-brprinter-installer*.gz
$ sudo bash linux-brprinter-installer-2.2.3-1
Input model name ->MFC-L6800DW
```

```
You are going to install following packages.
```

```
mfcl6800dwlpr-3.5.1-1.i386.deb
mfcl6800dwcupswrapper-3.5.1-1.i386.deb
brscan4-0.4.10-1.amd64.deb
brscan-skey-0.3.1-2.amd64.deb
```

```
OK? [y/N] ->Y
```

```
...
```

```
Will you specify the Device URI? [Y/n] ->N
```

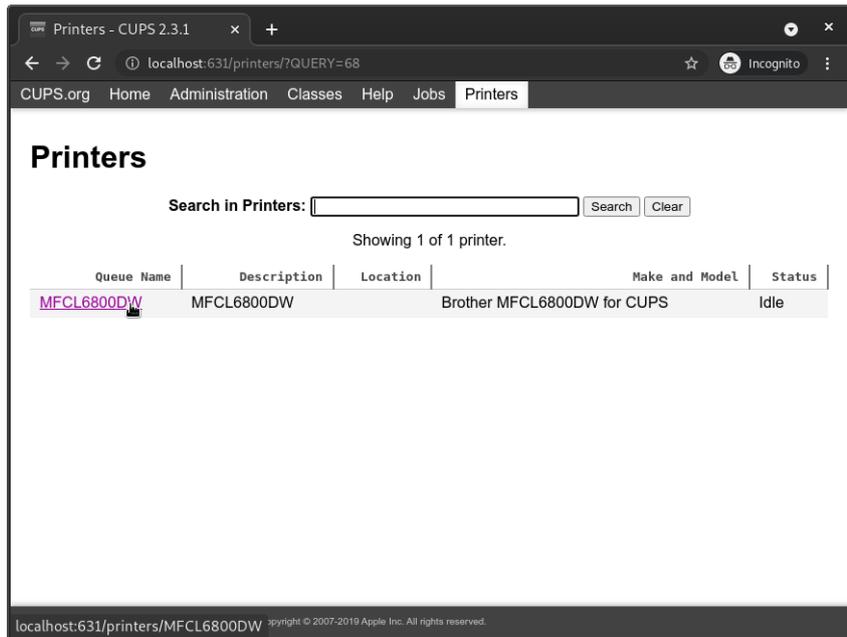
¹ https://wiki.archlinux.org/title/Packaging_Brother_printer_drivers

² https://support.brother.com/g/b/downloadtop.aspx?c=gb&lang=en&prod=mfcl6800dw_eu

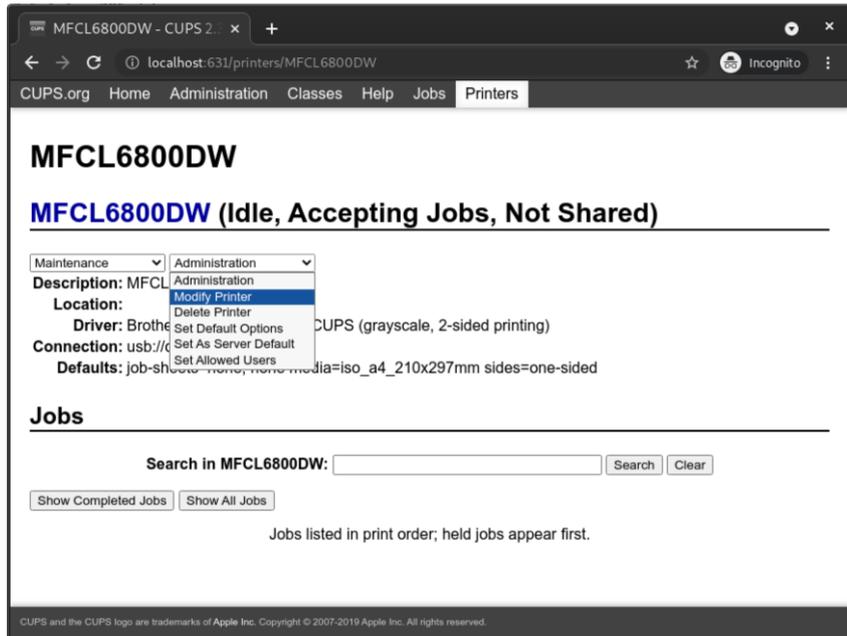
Test Print? [y/N] ->N

3 Setting the URI and Credentials

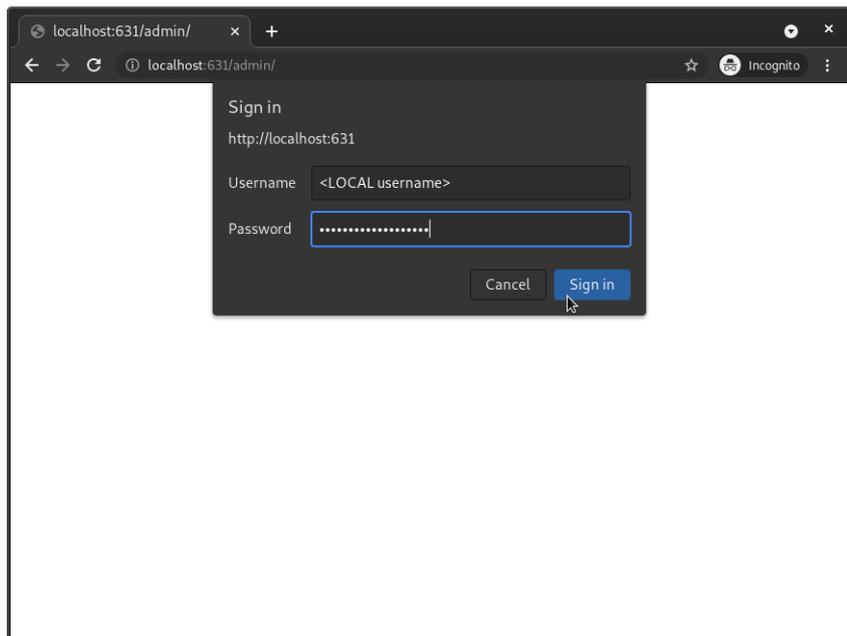
You now have to set the connection URI of the printer to `smb://<room number>:<printer PIN>@drucker.kullenhof.de/wohnheimsdrucker` in your local cups client `http://localhost:631`. You can find your printer PIN at `https://my.kullenhof.de/me`. Each step is detailed below:



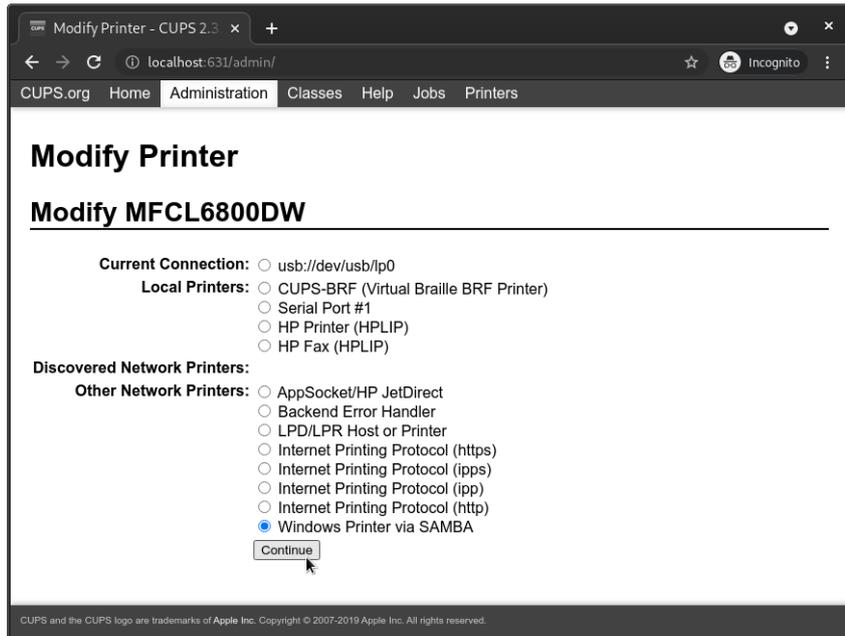
1: Open the cupsclient, `http://localhost:631/printers`, in a browser and click on the just added printer.



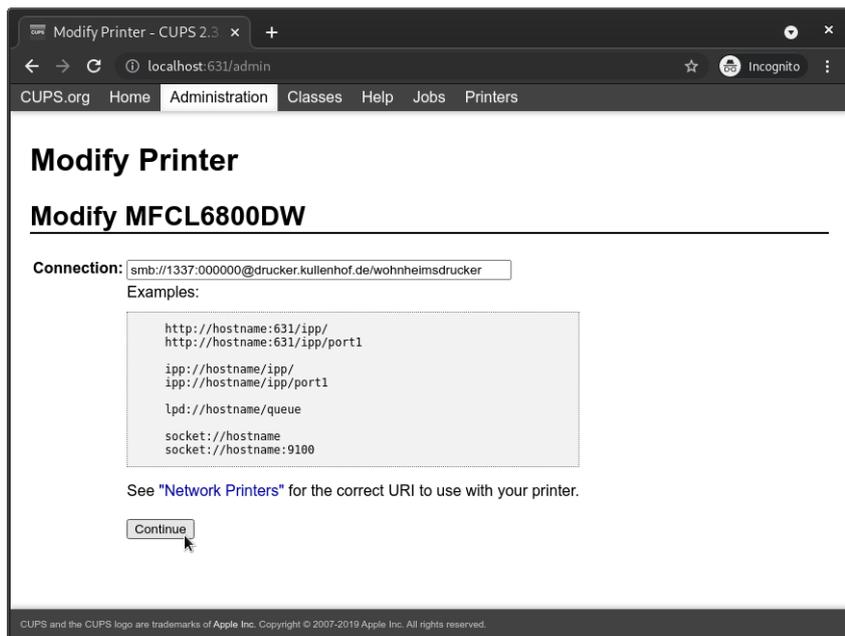
2: Go to Maintenance->Modify Printer



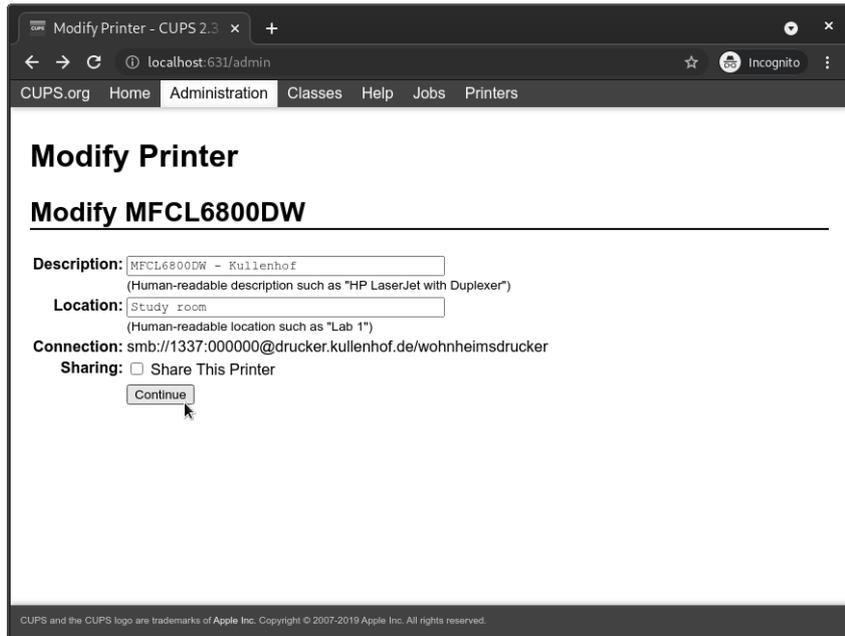
3: Sign in using your local credentials for your device



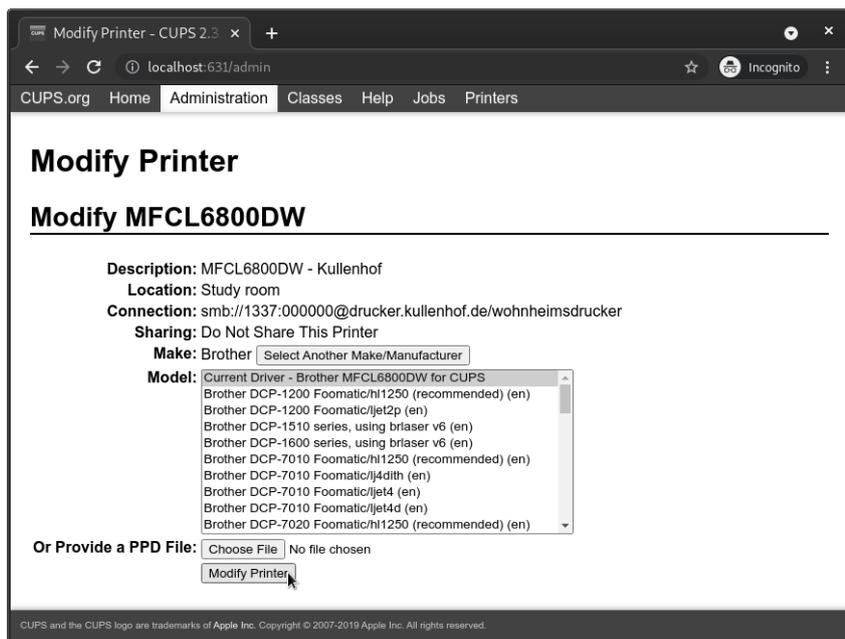
4: Choose Windows Printer via SAMBA and continue.



5: Enter `smb://<room number>:<printer PIN>@drucker.kullenhof.de/wohnheimsdrucker` (substituting your room number and printer PIN without any angle brackets) and continue.



6: You can set a custom name for the printer (this can also be changed later). Then continue.



7: Review your changes and finish by clicking on **Modify Printer**.

You can now send documents to the printer. Further instructions for using the printer can be found on our website.

4 Troubleshooting

4.1 I can not login on `http://localhost:631`

Please make sure that your user is a member of the `lpadmin` group. If your user is not in the `lpadmin` group, you can add your user to this group using the command

```
$ sudo usermod -aG lpadmin <username>
```