



Linux Printer Driver Installation Guide for Brother Label Printers

Contents

| | |
|---|----|
| Trademarks | 1 |
| 1. Printer Driver Installation and Uninstallation | 2 |
| 1.1 Driver Installation | 2 |
| 1.2 Driver Uninstallation | 2 |
| 2. Add and Delete Printers | 3 |
| 2.1 Managing Printers using the CUPS Web Browser Interface | 3 |
| 2.1.1 Add Printers (USB Connection) | 3 |
| 2.1.2 Add Printers (Wired LAN or Wi-Fi Connection) | 6 |
| 2.1.3 Modify Printer Settings | 9 |
| 2.1.4 Delete Printers | 11 |
| 2.2 Managing Printers using the Print Settings Application in GNOME™ .. | 12 |
| 2.2.1 Add Printers | 12 |
| 2.2.2 Modify Printer Settings | 15 |
| 2.2.3 Delete Printers | 15 |
| 3. Configure Printers using the BarCode Printer Setting Application | 16 |

Trademarks

Linux is a registered trademark of Linus Torvalds in the U.S. and other countries.

The GNOME logo and GNOME name are registered trademarks or trademarks of GNOME Foundation in the United States or other countries.

CUPS is a trademark of Apple Inc., registered in the U.S. and other countries.

1. Printer Driver Installation and Uninstallation

You need to be a superuser to install or uninstall the Brother printer driver.

If you are not logged in as a superuser, run the following command in the terminal:

```
su
```

1.1 Driver Installation

In the terminal, run the following commands to unzip and install the driver:

```
tar xzvf Brotherbarcodedriver-x.x.xx.tar.gz
cd Brotherbarcodedriver -x.x.xx
./install-driver
```

Where "x.x.xx" is the driver version.

Note:

If an earlier version of the driver is already installed, it will be overwritten with the new one.

1.2 Driver Uninstallation

In the terminal, run the following command to uninstall the driver:

```
/usr/local/share/genericbarcode/uninstall-driver
```

Note:

After you have uninstalled the printer driver, you must manually remove any printers from the system. For more information, see [2. Add and Delete Printers](#).

2. Add and Delete Printers

You can add or delete new printers using:

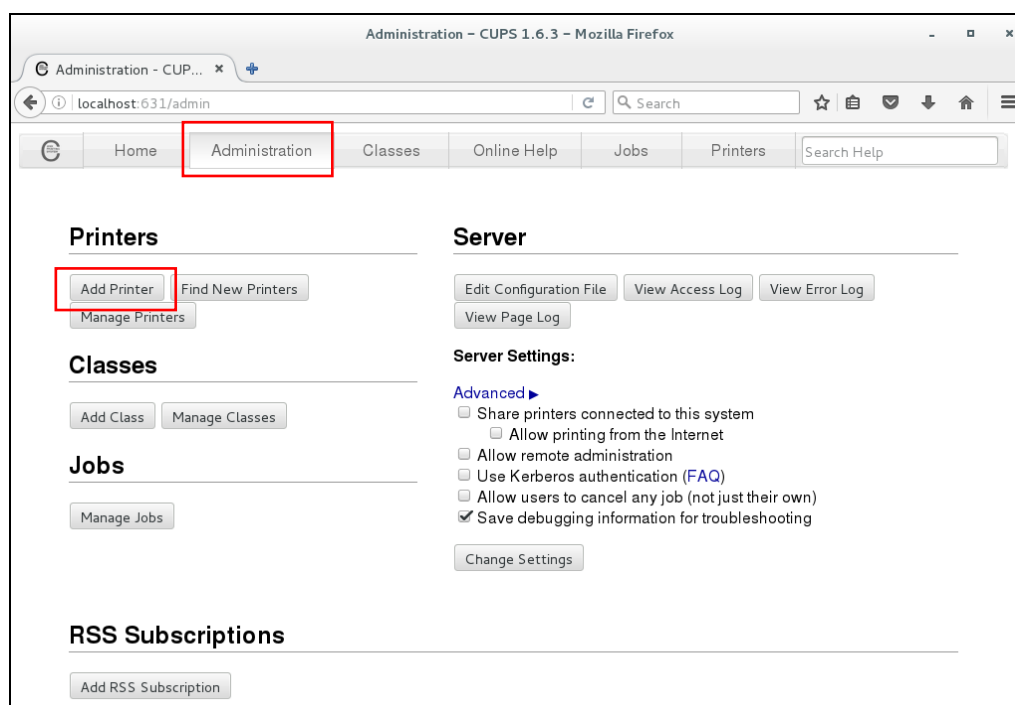
- The CUPS web browser interface
- The Print Settings application in GNOME™

2.1 Managing Printers using the CUPS Web Browser Interface

To access the CUPS web browser interface, open your browser and enter "http://localhost:631/" in the address bar.

2.1.1 Add Printers (USB Connection)

1. Click the **Administration** tab.
2. Click **Add Printer**.



3. Select the printer you want to add, and then click **Continue**.

The screenshot shows the 'Add Printer' page in a Mozilla Firefox browser window. The address bar shows 'localhost:631/admin/'. The navigation menu includes 'Home', 'Administration', 'Classes', 'Online Help', 'Jobs', and 'Printers'. The 'Add Printer' section is active, displaying 'Local Printers: ● Brother TD-4420TN (Brother TD-4420TN)'. At the bottom, a 'Continue' button is highlighted with a red rectangular box.

4. Enter the new printer information, and then click **Continue**.

The screenshot shows the 'Add Printer' page with the following fields and values:

- Name:** Brother_TD-4420TN (May contain any printable characters except "/", "#", and space)
- Description:** Brother TD-4420TN (Human-readable description such as "HP LaserJet with Duplexer")
- Location:** (Human-readable location such as "Lab 1")
- Connection:** brusb://Brother/TD-4420TN?serial=000001
- Sharing:** ☐ Share This Printer

At the bottom, a 'Continue' button is highlighted with a red rectangular box.

5. Select **Brother** from the **Make** drop-down list, and then click **Continue**.

The screenshot shows the 'Add Printer' web interface in a Mozilla Firefox browser window. The browser's address bar shows 'localhost:631/admin'. The page has a navigation bar with links: Home, Administration, Classes, Online Help, Jobs, Printers, and a Search Help box. The main content area is titled 'Add Printer' and contains the following fields:

- Name:** Brother_TD-4420TN
- Description:** Brother TD-4420TN
- Location:**
- Connection:** brusb://Brother/TD-4420TN?serial=000001
- Sharing:** Do Not Share This Printer
- Make:** A dropdown menu with 'Brother' selected.

At the bottom of the form, the 'Continue' button is highlighted with a red rectangle.

6. Select the printer model name, and then click **Add Printer**.

The screenshot shows the 'Add Printer' web interface in a Mozilla Firefox browser window. The browser's address bar shows 'localhost:631/admin'. The page has a navigation bar with links: Home, Administration, Classes, Online Help, Jobs, Printers, and a Search Help box. The main content area is titled 'Add Printer' and contains the following fields:

- Name:** Brother_TD-4420TN
- Description:** Brother TD-4420TN
- Location:**
- Connection:** brusb://Brother/TD-4420TN?serial=000001
- Sharing:** Do Not Share This Printer
- Make:** Brother (with a 'Select Another Make/Manufacturer' button next to it)
- Model:** A dropdown menu with 'Brother TD-4420TN (en, en, zh_CN, zh_TW)' selected.

At the bottom of the form, there is a section 'Or Provide a PPD File:' with a 'Browse...' button and the text 'No file selected.' Below this, the 'Add Printer' button is highlighted with a red rectangle.

2.1.2 Add Printers (Wired LAN or Wi-Fi Connection)

1. Click the **Administration** tab.
2. Click **Add Printer**.
3. Select the **LPD/LPR Host or Printer** radio button, and then click **Continue**.

CUPS.org Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Local Printers: ☐ HP Printer (HPLIP)
☐ Serial Port #1
☐ HP Fax (HPLIP)

Discovered Network Printers: ☐ Unknown (Brother)

Other Network Printers: ☐ Internet Printing Protocol (https)
☐ Internet Printing Protocol (http)
☐ Backend Error Handler
☐ Internet Printing Protocol (ipp14)
☐ Internet Printing Protocol (ipp)
☐ AppSocket/HP JetDirect
☒ **LPD/LPR Host or Printer**
☐ Internet Printing Protocol (ipps)

Continue

4. Enter `lpd://printer_IP_address/queue` (where "printer_IP_address" is your printer's IP address) in the **Connection:** field, and then click **Continue**.

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.

Continue

5. Enter the new printer information in the **Name:** field, and then click **Continue**.

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: lpd:// 0.0.0.0/queue

Sharing: ☐ Share This Printer

6. Select **Brother** from the **Make:** list, and then click **Continue**.

Add Printer

Add Printer

Name: XXXX
Description:
Location:
Connection: lpd:// 0.0.0.0/queue
Sharing: Do Not Share This Printer
Make:

Brother

Continue

Or Provide a PPD File: Browse...
Add Printer

7. Select the printer model name from the **Model:** list, and then click **Add Printer**.

Add Printer

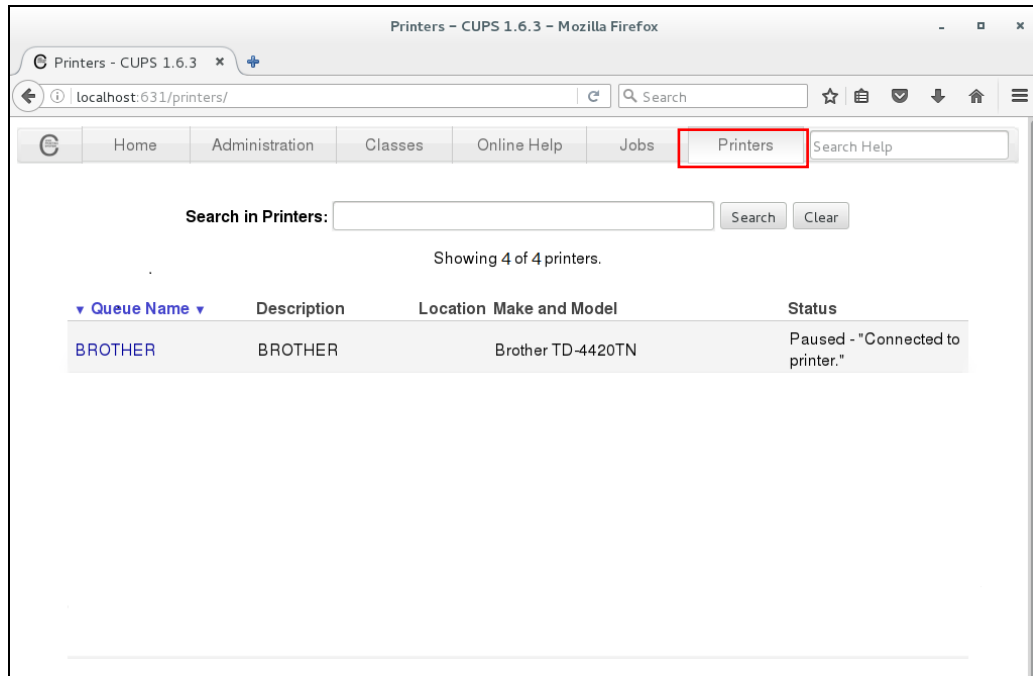
Name: Brother_XXXXXXXXXX
Description: Brother XXXXXXXXXXXX
Location:
Connection: brusb://Brother/XXXXXXXXXX
Sharing: Do Not Share This Printer
Make: Brother Select Another Make/Manufacturer
Model: Brother XXXXXXXXXXXX

Or Provide a PPD File: Browse... No file selected.

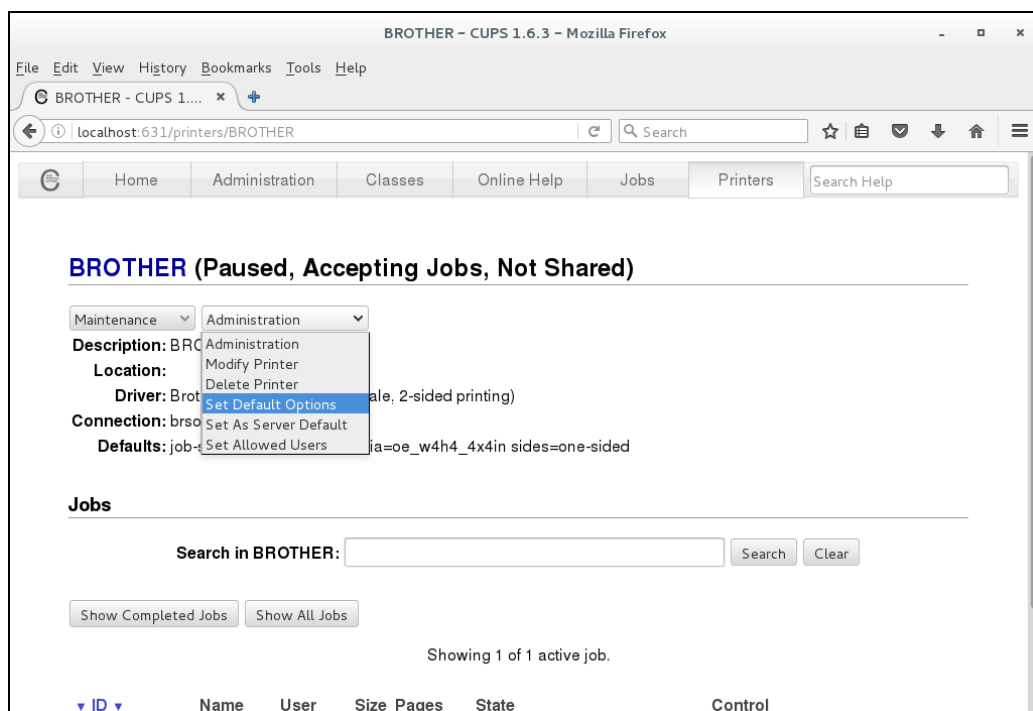
Add Printer

2.1.3 Modify Printer Settings

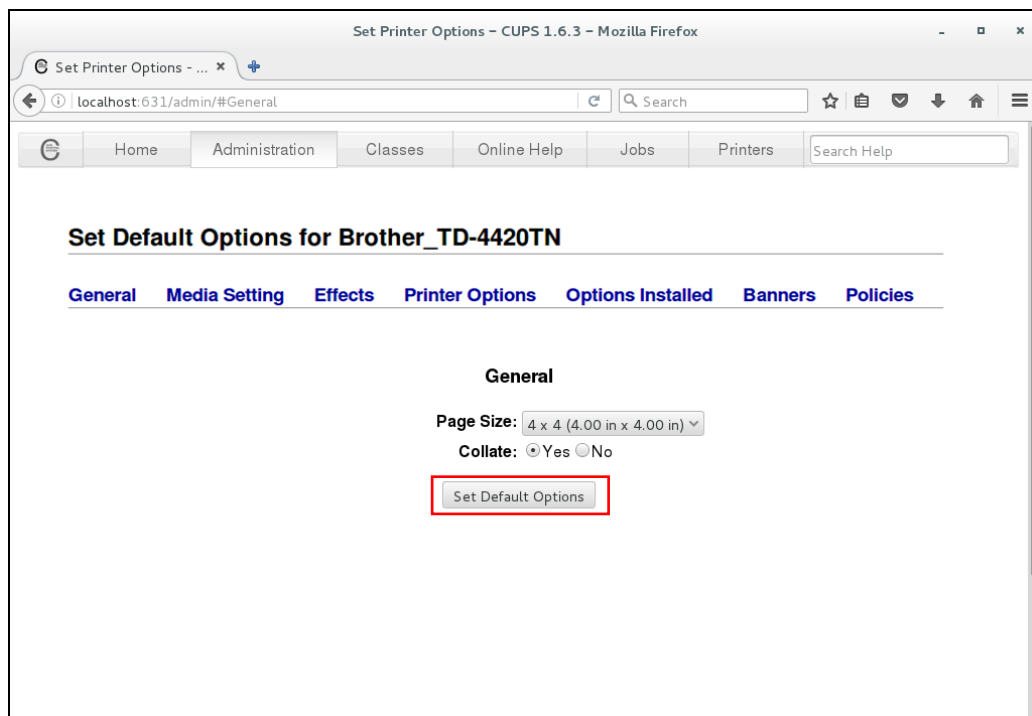
1. Click the **Printers** tab.
2. Select the printer from the list.



3. Select **Set Default Options** from the **Administration** drop-down list.

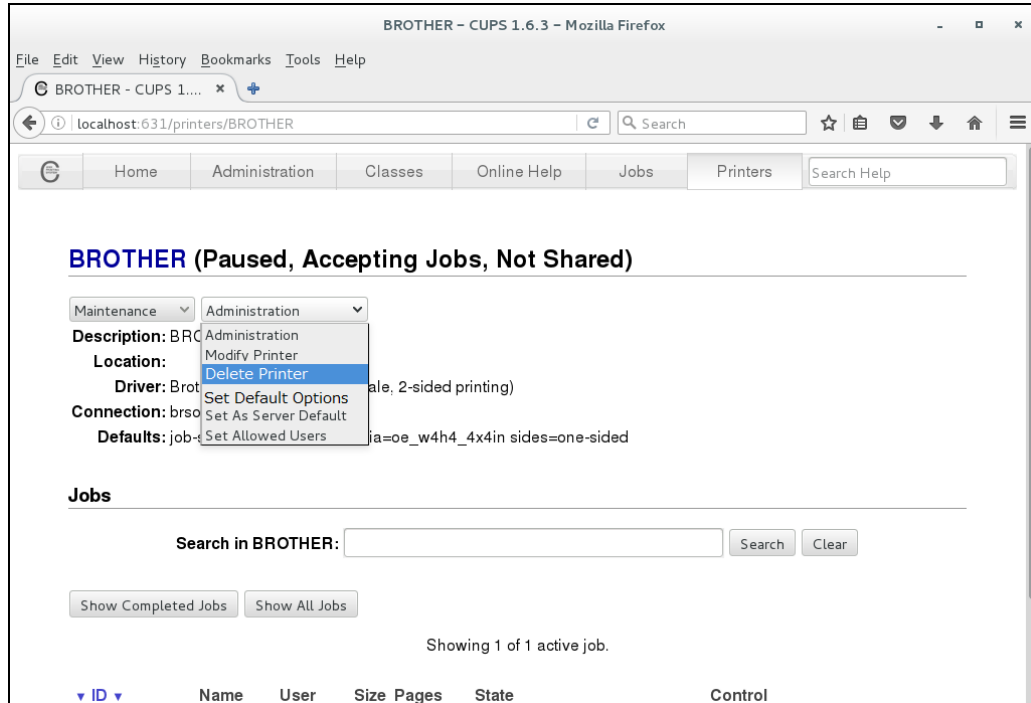


4. Modify the settings you want, and then click **Set Default Options** to save them.



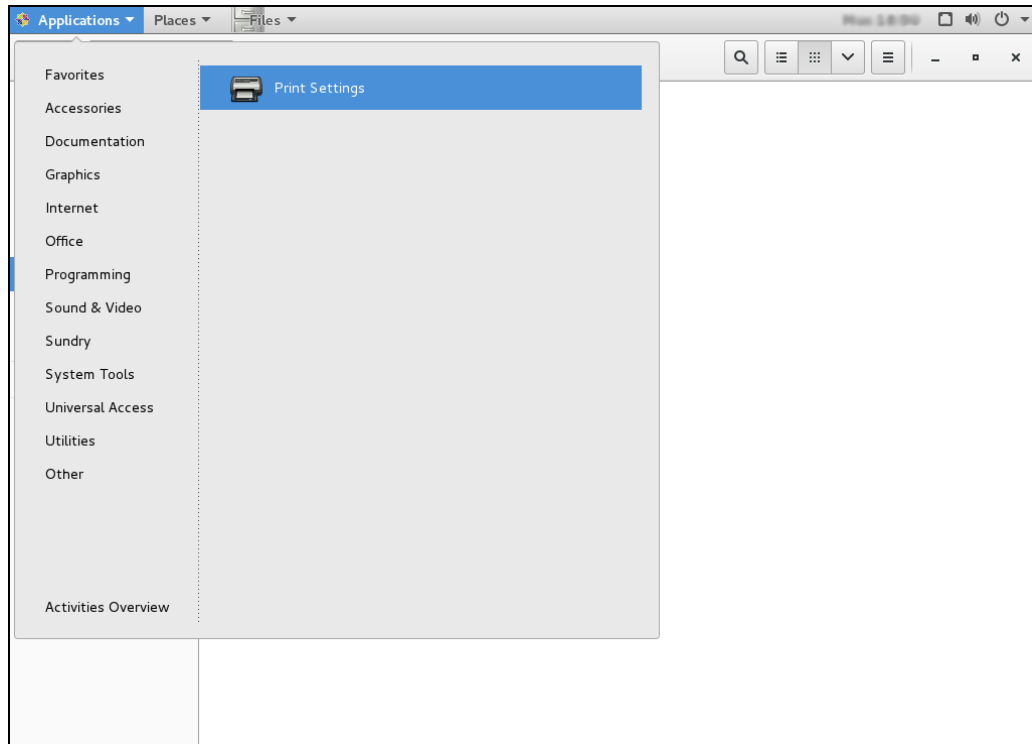
2.1.4 Delete Printers

1. Click the **Printers** tab, and then select the printer you want.
2. Select **Delete Printer** in the **Administration** drop-down list to delete the selected printer.



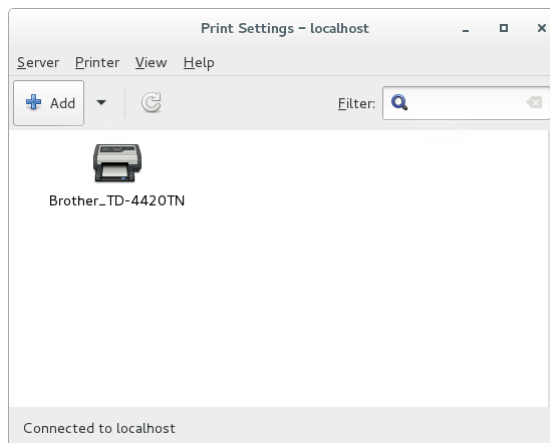
2.2 Managing Printers using the Print Settings Application in GNOME™

To run the Print Settings application, click **Applications > Print Settings**.



2.2.1 Add Printers

1. When the Print Settings window appears, click **Add**, and then select the printer you want.



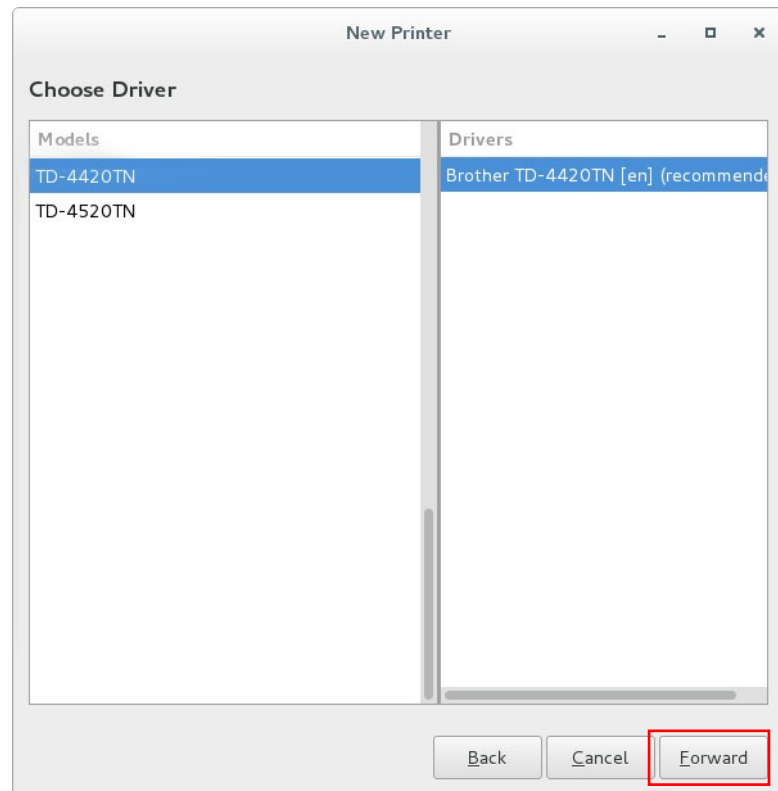
2. Select the printer you want from the **Devices** list, enter the IP address in the **Enter device URI** field, and then click **Forward**.

The screenshot shows the 'New Printer' window with the 'Select Device' tab active. On the left, there is a 'Devices' list with a search bar 'Enter URI'. Below the search bar, the 'Network Printer' category is expanded, showing a list of devices. The first device, 'Unknown (XXXXXXXXXXXX)', is selected and highlighted in blue. To the right of the list is a text field labeled 'Enter device URI' containing the text 'brsocket://XXXXXX'. Below this field, there is an example of a URI: 'For example: ipp://cups-server/printers/printer-queue' and 'ipp://printer.mydomain/ipp'. At the bottom right of the window, there are two buttons: 'Cancel' and 'Forward'. The 'Forward' button is highlighted with a red rectangle.

3. Make sure the **Select printer from database** radio button is selected, select **Brother** from the printer list, and then click **Forward**.

The screenshot shows the 'New Printer' window with the 'Choose Driver' tab active. At the top, there are three radio buttons: 'Select printer from database' (which is selected), 'Provide PPD file', and 'Search for a printer driver to download'. Below the radio buttons, there is a paragraph of text: 'The foomatic printer database contains various manufacturer provided PostScript Printer Description (PPD) files and also can generate PPD files for a large number of (non PostScript) printers. But in general manufacturer provided PPD files provide better access to the specific features of the printer.' Below this text is a list box labeled 'Makes' with 'Brother' selected and highlighted in blue. At the bottom of the window, there are three buttons: 'Back', 'Cancel', and 'Forward'. The 'Forward' button is highlighted with a red rectangle.

4. Select the printer model name and driver, and then click **Forward**.

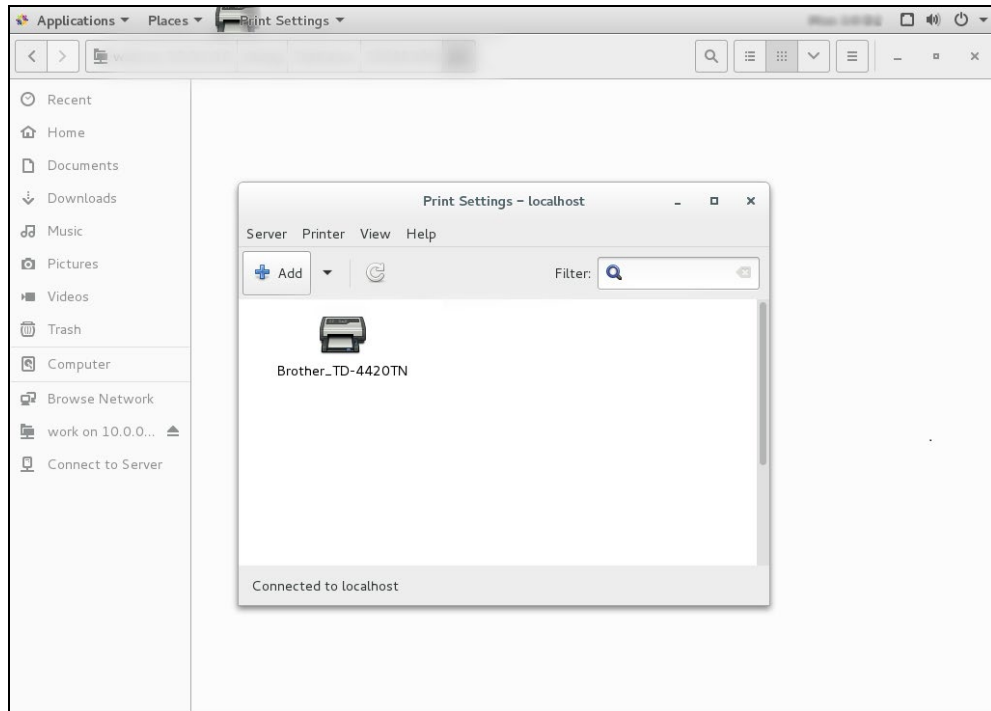


2.2.2 Modify Printer Settings

1. Select the printer you want, and then click **Printer Options** to modify its settings.

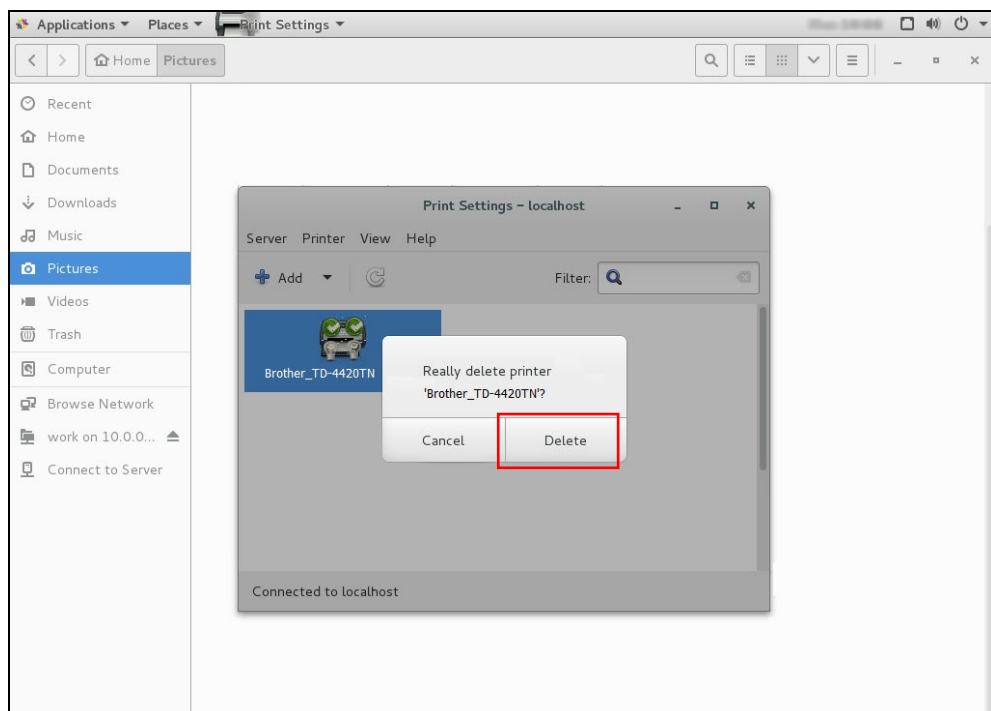
2. When finished, click **Apply** to save the new settings.

To restore the previous settings, press **Restore**.



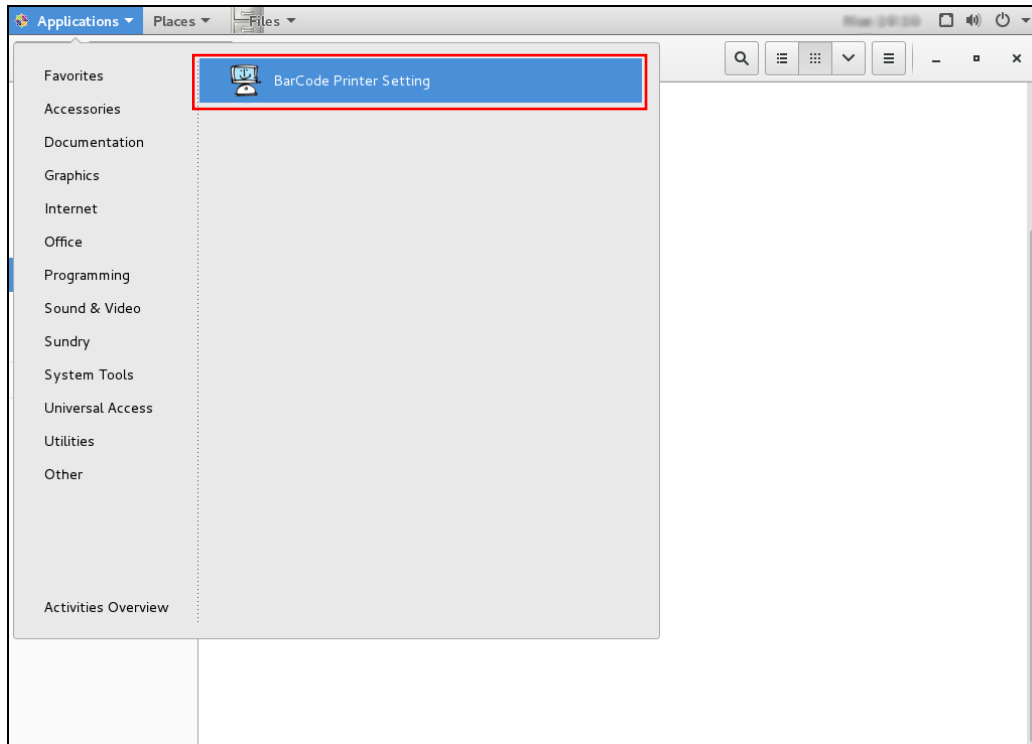
2.2.3 Delete Printers

Select the printer you want to delete, and then click **Delete**.



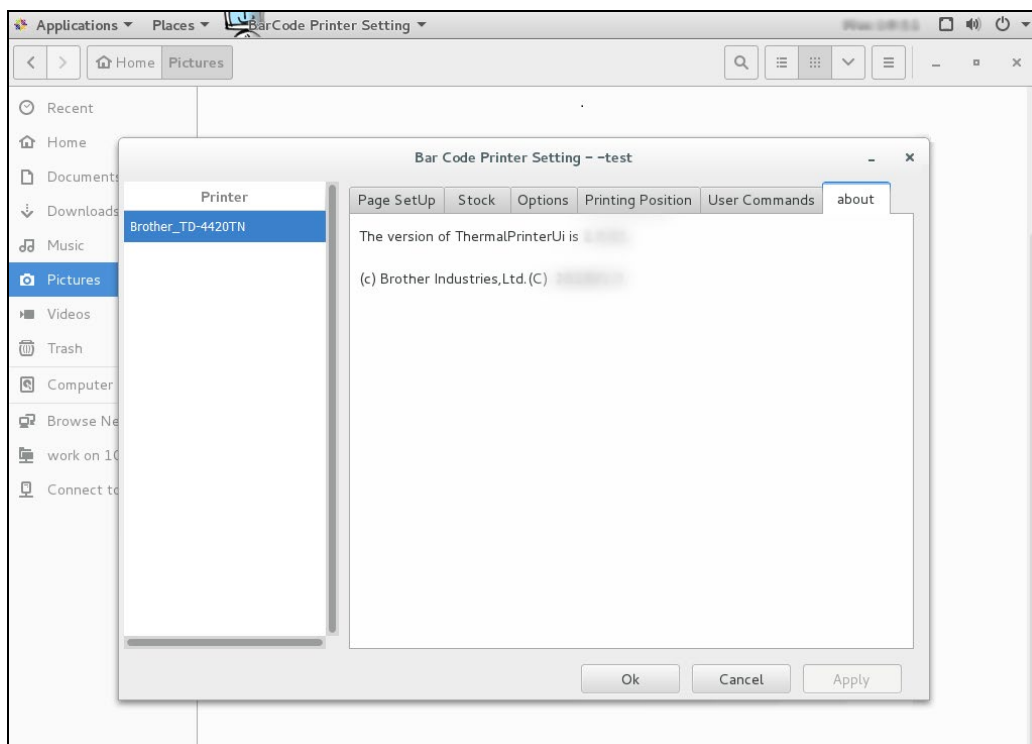
3. Configure Printers using the BarCode Printer Setting Application

The **BarCode Printer Setting** shortcut will appear in the **Applications** menu after the driver has been installed.



1. Select the printer you want and modify its settings.

2. When finished, click **Apply**.



brother