

Linux platform based on CUPS

Printer driver installation, configuration and use

✧ Installation requirements:

1. Computer. (Linux operating system and CUPS installed)
2. Linux operating system.
3. CUPS. (Common UNIX Printing System, universal Unix printing system)
4. Printer. (ETP 5311-250USB)
5. Data cable. (Printer USB data cable)
6. Printer driver. (ETP_Linux_Driver_1.2.2.tar)

✧ 二. Printer driver installation:

After decompression, according to your operating system, if your operating system is 32-bit, enter the cupsprindrv_x86/install directory in root mode, if your operating system is 64-bit, enter the cupsprindrv_x64/install directory in root mode. Run the script ./install.sh to complete the driver installation. Take the 32-bit system as an example, as shown below:

```
root@ETP-VirtualBox:~/ETP_Linux_Driver_1.2.2# cd cupsprindrv_x86/install/
root@ETP-VirtualBox:~/ETP_Linux_Driver_1.2.2/cupsprindrv_x86/install# ls
80mmSeries.ppd.gz  install.sh  rastertoprinter  rastertoprinterlm  rastertoprinterlm  uninstall.sh
root@ETP-VirtualBox:~/ETP_Linux_Driver_1.2.2/cupsprindrv_x86/install# ./install.sh
.....
printer Micronics
printer cupsdrv-1.2.1 installer

Models included:
80mmSeries

.....
Searching for ServerRoot, ServerBin, and DataDir tags in /etc/cups/cupsd.conf

ServerBin tag not present in cupsd.conf - using default

DataDir tag not present in cupsd.conf - using default

ServerRoot =
ServerBin =
DataDir =
PPDDir = /usr/share/cups/model/printer

Copying rastertoprinter filter to /usr/lib/cups/filter
Copying rastertoprinterlm filter to /usr/lib/cups/filter

Copying rastertoprinterlm filter to /usr/lib/cups/filter
Copying model ppd files to //usr/share/cups/model/printer

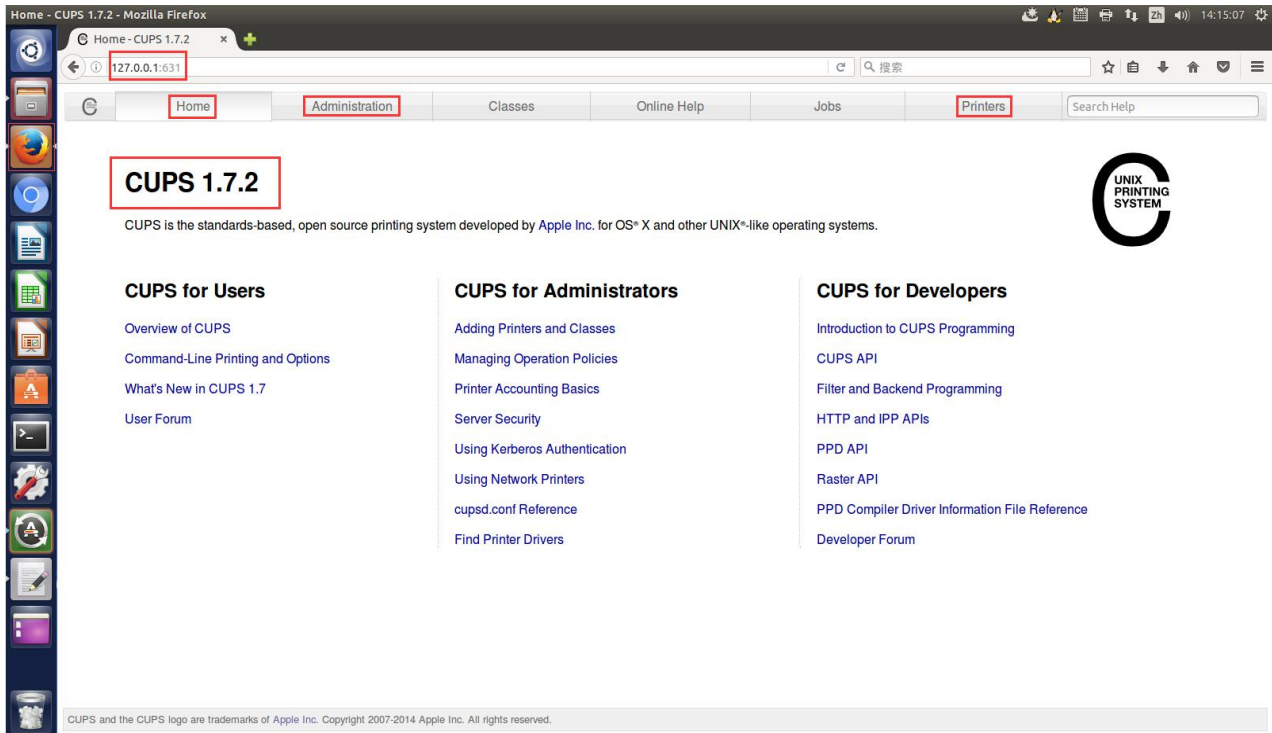
Restarting CUPS
Use service cups restart
cups stop/waiting
cups start/running, process 3105
cups stop/waiting
cups start/running, process 3134

Install Complete
Add printer queue using OS tool. http://localhost:631, or http://127.0.0.1:631
root@ETP-VirtualBox:~/ETP_Linux_Driver_1.2.2/cupsprindrv_x86/install#
```

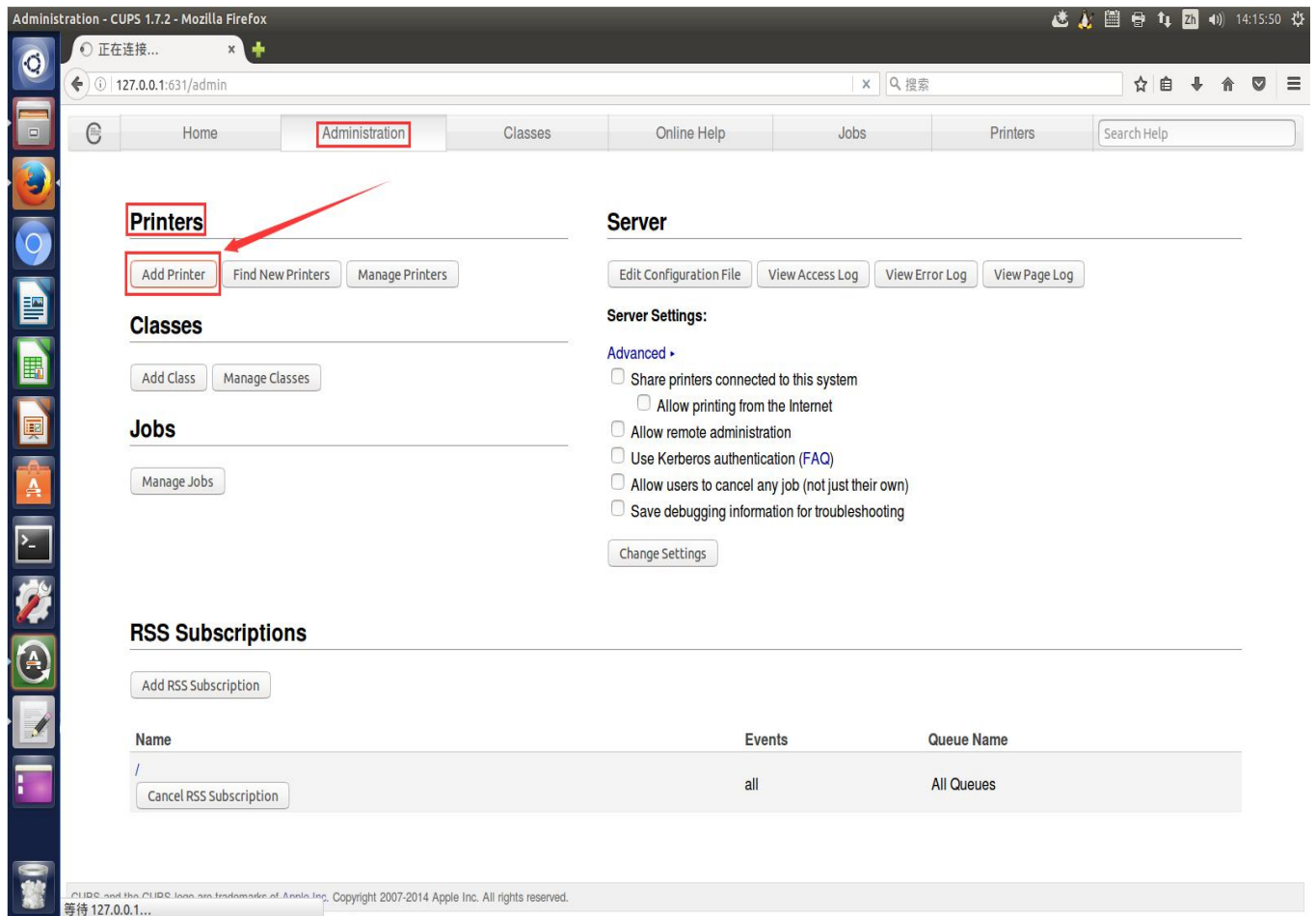
✧ Printer driver configuration

(Use CUPS to configure the driver)

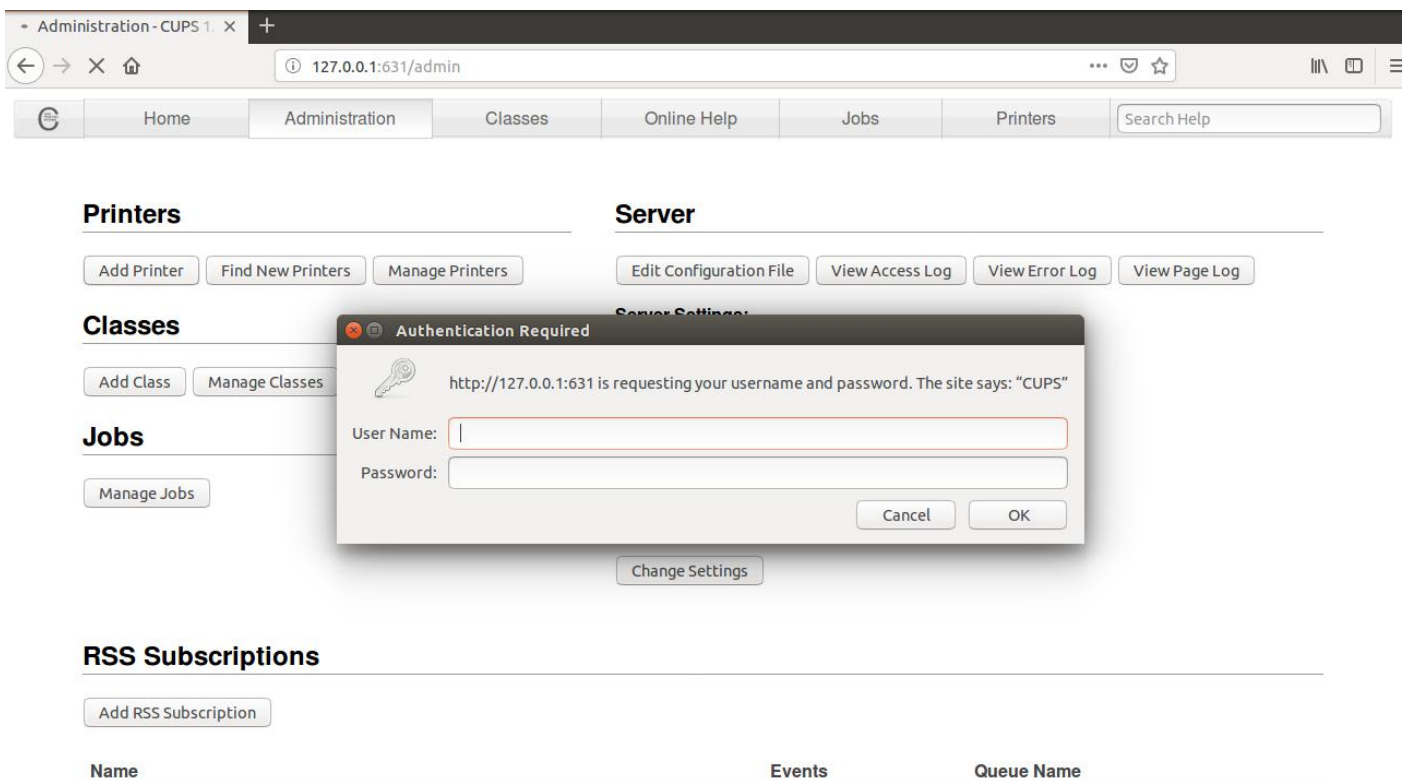
1. Connect the printer and computer with a USB cable.
2. Open a browser in the computer system, and type the web address in the address bar: `http://localhost:631` or `http://127.0.0.1:631`.
3. Press Enter to enter the local WEB operation interface of the CUPS universal Unix printing system. (As shown below)



4. Add a printer. After opening the CUPS system operation WEB interface, click the Administration option on the toolbar, click the Add Printer button.

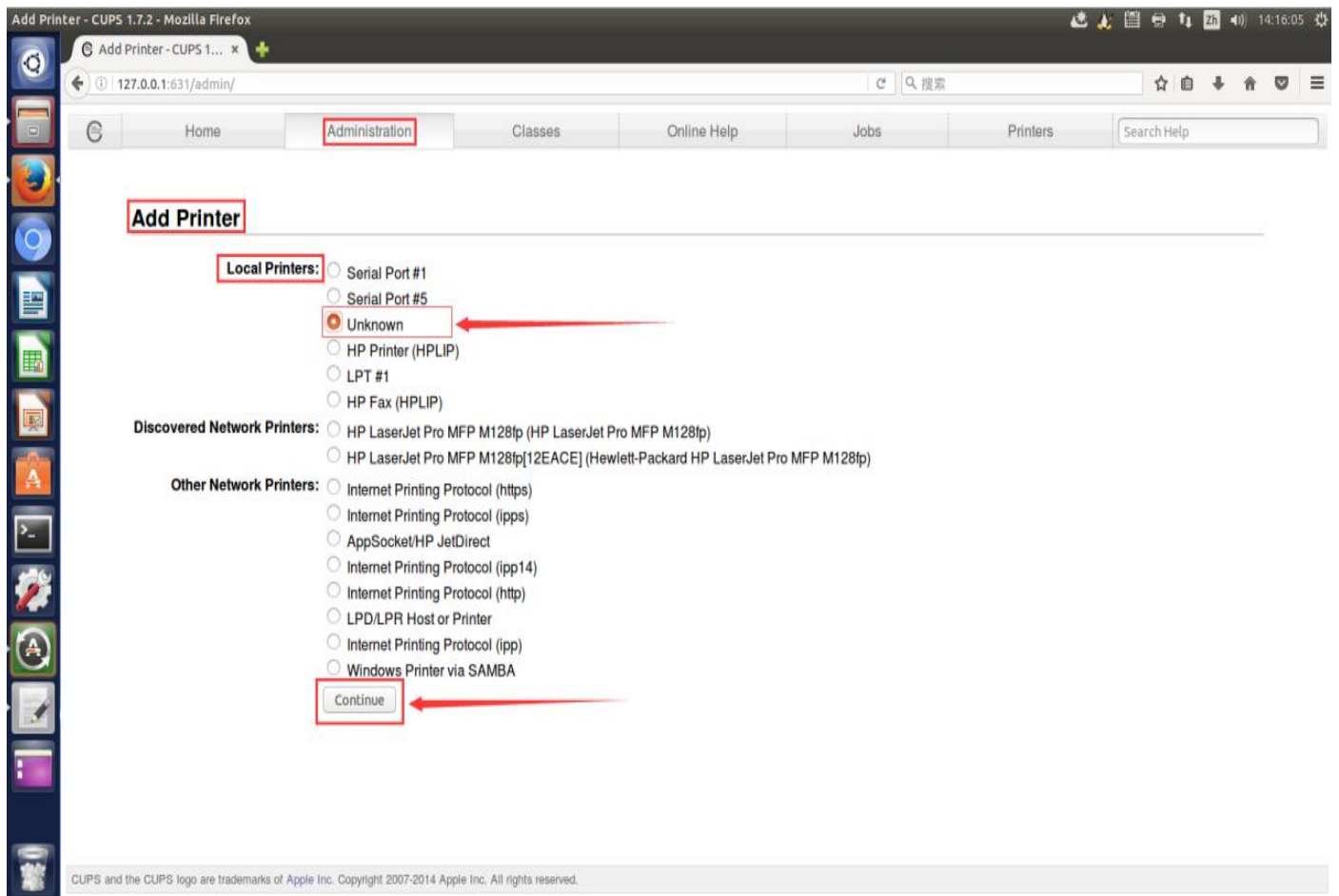


If the following picture prompts Authentication Required, enter the system user name and password, and click OK.

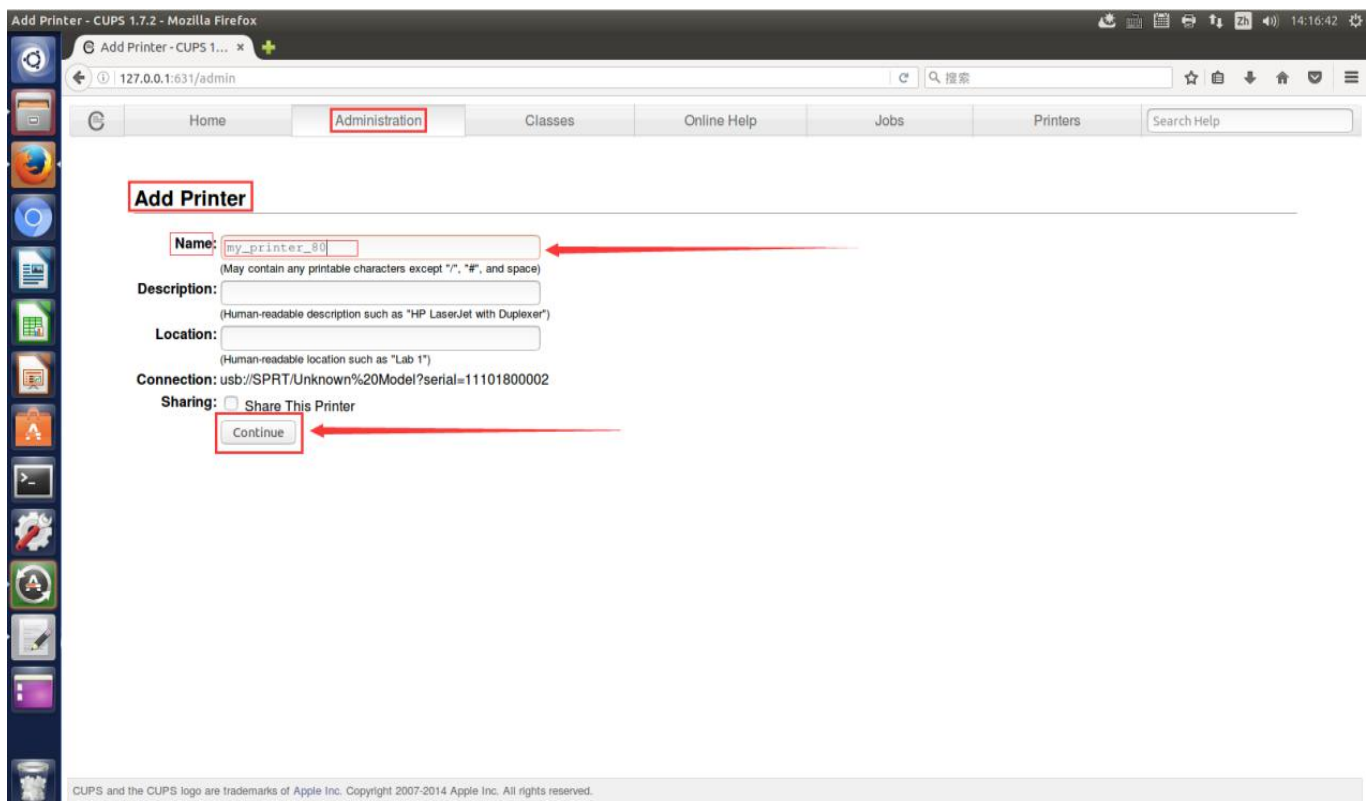


5. Select the connection method (the connection method between the printer and the computer). Select Unknown in the Local Printers area (the USB connection between the printer and the computer

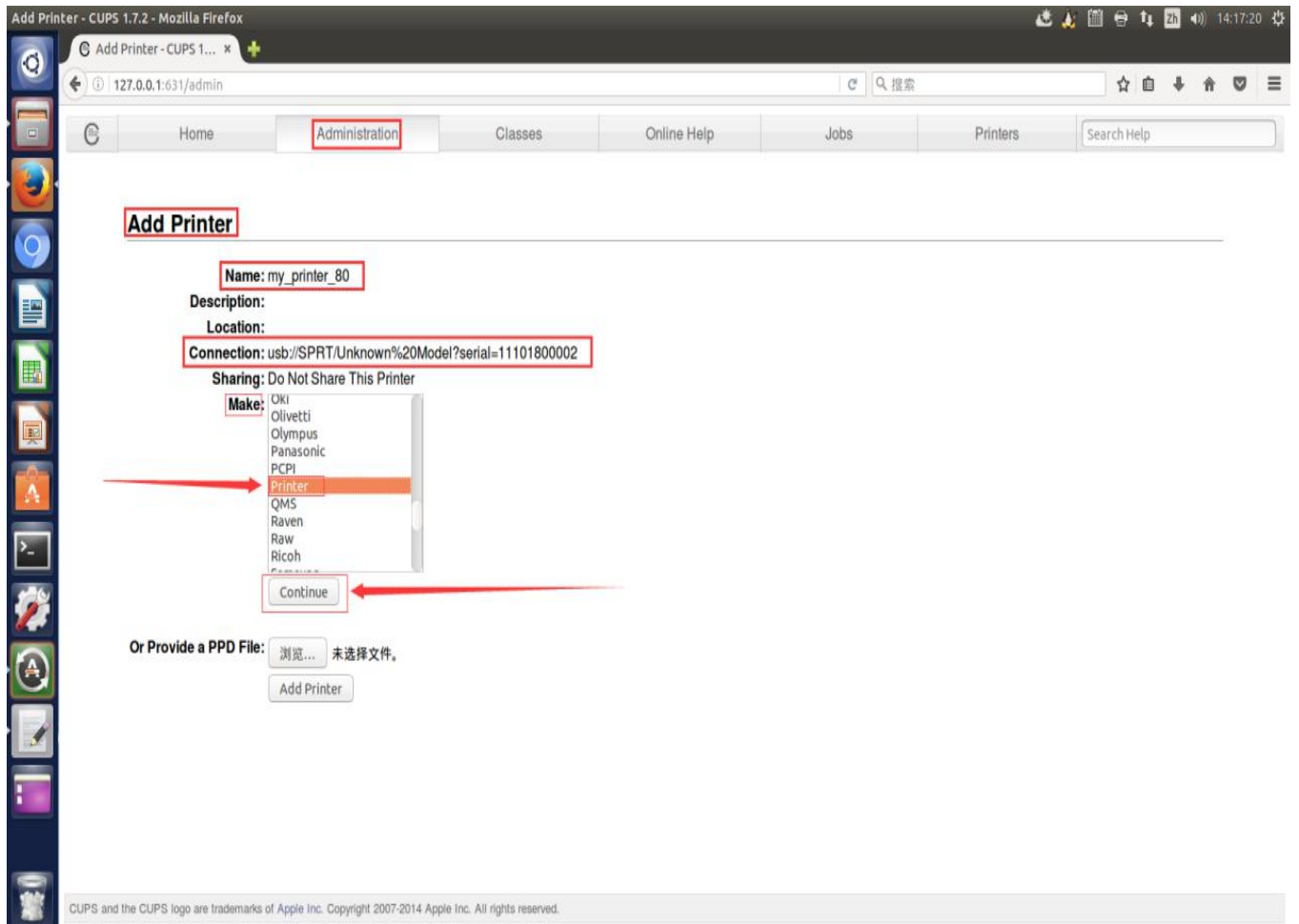
is displayed). click the continue button to proceed to the next step.



6. Edit the printer name. In the dialog box behind Name:, fill in the name of the printer so that the user can select the printer when printing, and then click continue to the next step. (The printer name will affect the command line operation, so try to keep it short and easy to remember. For example, my_printer_80)



7. Select the printer Make. Select *Printer* here and click continue to proceed to the next step.



8. Select Model, here select **ETP 5311-250USB**, and then click the Add Printer button.

Add Printer - CUPS 1.7.2

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127.0.0.1:631/admin



Home

Administration

Classes

Online Help

Add Printer

Name: my_printer_80

Description:

Location:

Connection: usb://SPRT/Unknown%20Model?serial=11101800002

Sharing: Do Not Share This Printer

Color Management: Enabled

Make: Printer

Select Another Make/Manufacturer

Model:

Printer ETP 5311-250USB (en)

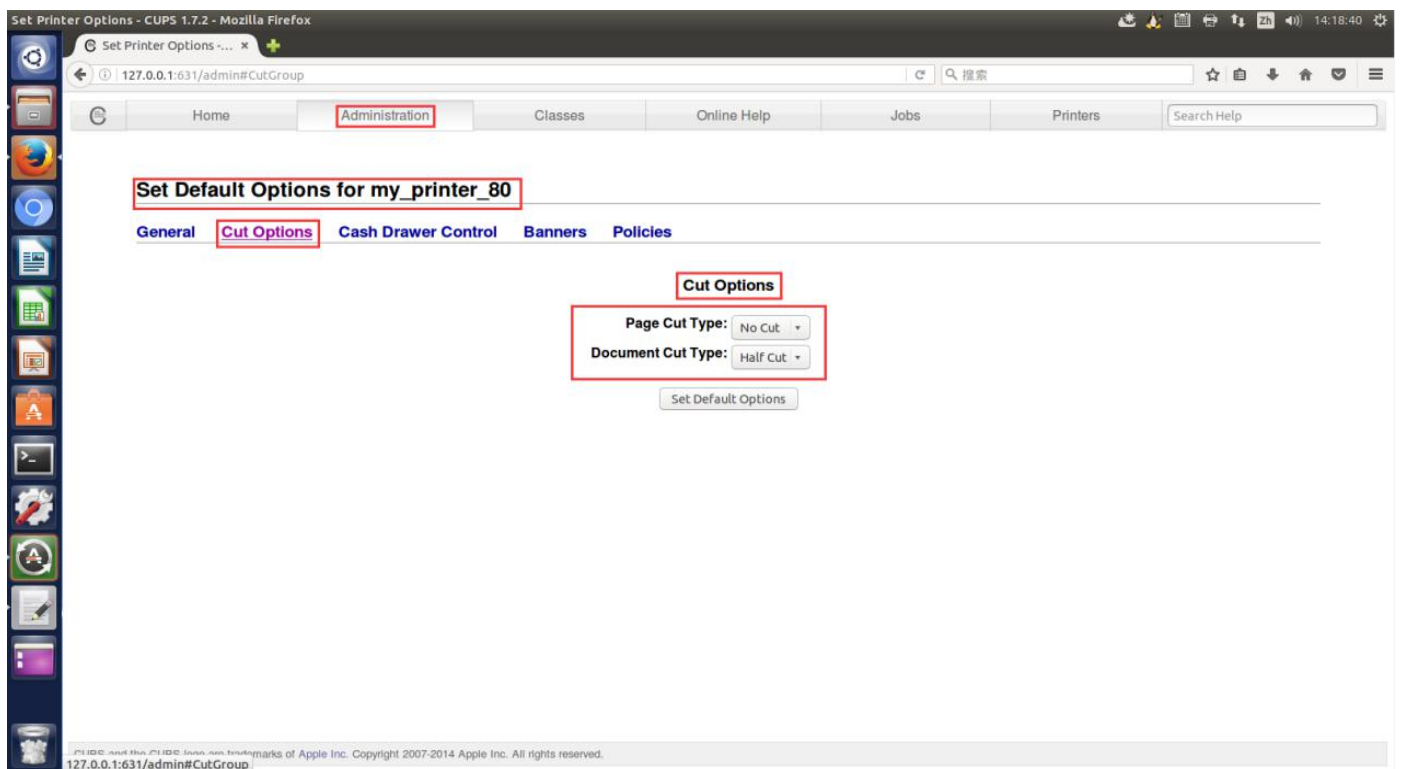
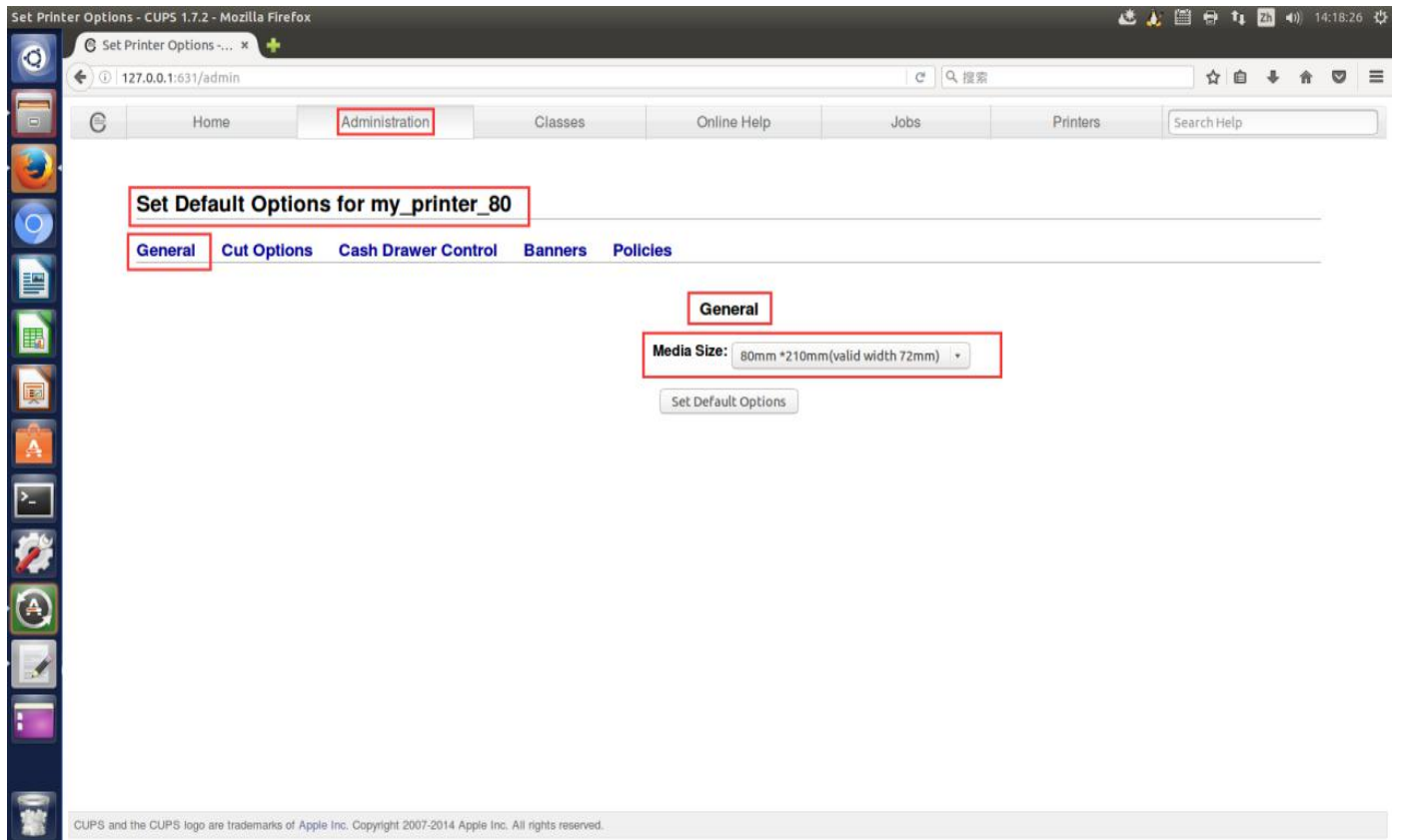
Or Provide a PPD File:

Browse...

 No file selected.

Add Printer

9. Configure the default parameters of the printer. Namely the paper size and cutter type.



After the configuration is complete, the newly configured printer name will appear under the Printers option in the toolbar. As shown below:

Printers - CUPS 1.7.2

127.0.0.1:631/printers/

Home Administration Classes Online Help Jobs **Printers** Search Help

Search in Printers: Search Clear

Showing 1 of 1 printer.

Queue Name ▼	Description	Location	Make and Model	Status
my_printer_80	my_printer_80		ETP 5311-250USB	Idle

Click the name of the printer just configured to enter the page shown in the figure below. Select Print Test Page in the Maintenance drop-down list.

my_printer_80 - CUPS 1.7

127.0.0.1:631/printers/my_printer_80

Home Administration Classes Online Help Jobs **Printers**

my_printer_80 (Idle, Accepting Jobs, Not Shared, Color-Managed)

Maintenance ▼ Administration ▼

- Maintenance
- Print Test Page**
- Pause Printer
- Reject Jobs
- Move All Jobs
- Cancel All Jobs

5311-250USB (grayscale, 2-sided printing)
SPRT/Unknown%20Model?serial=11101800002
sheets=none, none media=om_x80-mmy210-mm_72x210.01mm sides=one-sided

Jobs

Search in my_printer_80: Search Clear

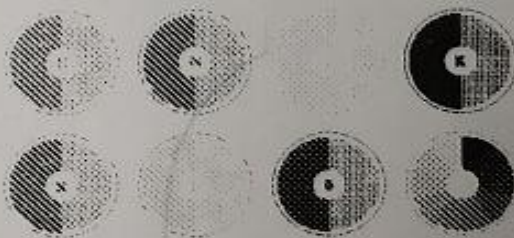
Show Completed Jobs Show All Jobs

No jobs.

If the test page as shown in the figure below can be printed out, the printer configuration is successful.

Printer test page

ubuntu



Media Limits: 0.00 x 0.00 to 3.83 x 8.27 inches
Job ID: my_printer_80-7
Driver: 80mmSeries.ppd
Driver Version: 1.1
Description:
Driver Version:
Name and Model: RTP 5511-250USB
Printer: my_printer_80
Created at: Mon Jul 6 18:50:10 2020
Printed at: Mon Jul 6 18:50:30 2020

At this point, the printer configuration is complete.