

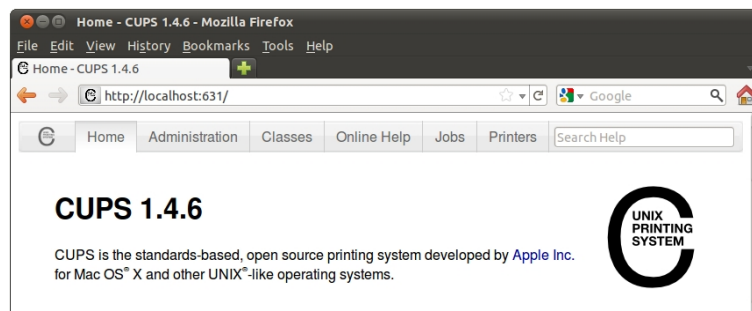
# IPAS 網路印表機設定

## Network printer configuration

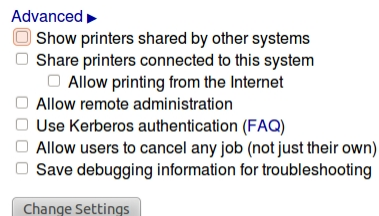
以下所使用的 Linux 是 Ubuntu 10.4，其他 Linux 大同小異請舉一反三  
( CUPS 版本必需是 1.4.4 以上 )

### 快速方法 A (需系統管理員權限) / Fast way A (root privilege)

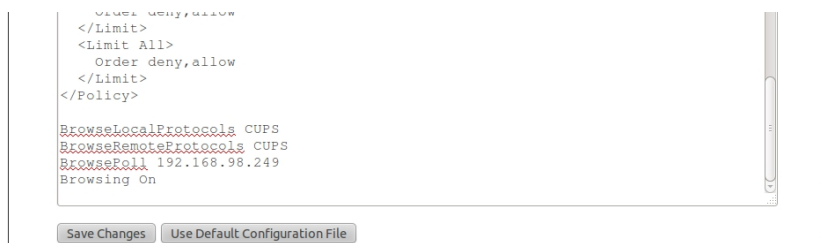
開啓瀏覽器並到 <http://localhost:631> (如下圖所示) / Browse to <http://localhost:631>



點擊 *Administration*，不勾選 *Show printers shared by other systems* 和 *Share printers connected to this system*，點擊 *Change Settings* 會重開 CUPS (輸入你的使用者或是鍵入 root 的帳號密碼)



點擊 *Edit Configuration File* 進入到如下所示，並且在最下面輸入以下設定值參數



```
BrowseRemoteProtocols CUPS
BrowseLocalProtocols CUPS
BrowsePoll printersrv2.phys.sinica.edu.tw
Browsing On
```

點擊 *Save changes* 會重開 CUPS，印表機安裝完成  
(無線網路使用者請使用印表機伺服器 [printersrv2w.phys.sinica.edu.tw](http://printersrv2w.phys.sinica.edu.tw))

## 快速方法 B (需系統管理員權限) / Fast way B (root privilege)

新增或修改 `/etc/cups/client.conf` / Create or modify `/etc/cups/client.conf`

有線網路 `ServerName printersrv2.phys.sinica.edu.tw:631`

Wired network `ServerName printersrv2.phys.sinica.edu.tw:631`

無線網路 `ServerName printersrv2w.phys.sinica.edu.tw:631`

Wireless network `ServerName printersrv2w.phys.sinica.edu.tw:631`

當使用者帳號沒有設定密碼時會無法“`sudo su -`”成超級使用者 解決方法：為該使用者設定密碼即可

You can't `sudo su -` as root if your account doesn't have any password. Solution: Setup one

## 快速方法 C (命令列模式, 終端機有效)

### Fast way C (Command line, works in the console)

設定環境變數 / setup a environment variable

`export CUPS_SERVER=printersrv2.phys.sinica.edu.tw:631`

無線網路請使用 `printersrv2w.phys.sinica.edu.tw:631`

Use `printersrv2w.phys.sinica.edu.tw:631` for wireless network

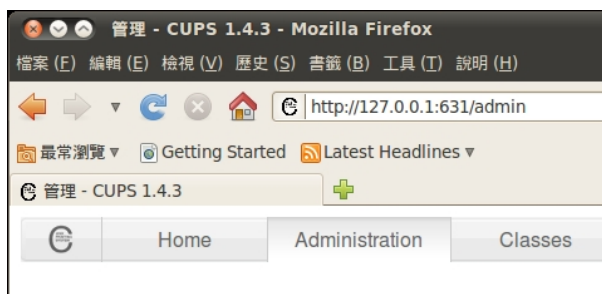
使用 `lpstat -a` 來查看所有印表機 / Issue `lpstat -a` to list all printers

使用 `lpr -P printer file` 來列印檔案 / Issue `lpr -P printer file` to print

## 最後方法 / Final way

### 1. 新增網路網路印表機 / Add network printer

- 執行瀏覽器 / Execute browser which you like
- 連線到 <http://localhost:631> 並點擊 *Administration*  
Browse to <http://localhost:631> then click *Administration*



- 點擊 *Add Printer* 後出現認證畫面，輸入 root 帳號密碼 (如果使用 Ubuntu 請輸入安裝時所增加的第一位使用者的帳號密碼)  
After Click *Add Printer* it will show auth windows. Input root's ID and PW (If it's Ubuntu please key in the first-added user's ID&PW)



當使用者帳號沒有設定密碼時會無法”`sudo su -`“成超級使用者 解決方法：為該使用者設定密碼即可  
You can't `sudo su -` as root if your account doesn't have any password. Solution: Setup one

d. 選擇 *Internet 列印通訊協定 (http)* / Choose *Internet Printing Protocol (http)*

### Add Printer

**Local Printers:**

- 序列埠 #1
- 序列埠 #2
- SCSI 印表機
- HP Printer (HPLIP)
- LPT #1
- HP Fax (HPLIP)

**Discovered Network Printers:**

**Other Network Printers:**

- LPD/LPR 主機或印表機
- Internet 列印通訊協定 (ipp)
- AppSocket/HP JetDirect
- Internet 列印通訊協定 (http)
- Backend Error Handler
- Windows Printer via SAMBA

Continue

e. 輸入印表機 URL，包含帳號密碼 (信箱) / Input Printer URL，including ID&PW (mail)

E.g. `http://ID:PW@printersrv2:631/printers/4F_Computer_room_HP4515PCL`

### Add Printer

Connection: `http://yuwanyu: [REDACTED]@printersrv2:631/printers/4F_Computer`

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

f. 輸入自定的印表機名稱 / Input custom printer name

## Add Printer

---

**Name:** 4F\_Computer\_room\_HP4515PCL  
(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:** http://yuwany: [redacted]@printersv2:631/printers/4F\_Computer\_room\_HP4515PCL

**Sharing:**  Share This Printer

g. 選擇 *HP* / Choose *HP*

## Add Printer

---

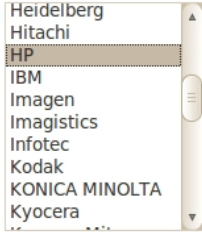
**Name:** 4F\_Computer\_room\_HP4515PCL

**Description:**

**Location:**

**Connection:** http://yuwany: [redacted]@printersv2:631/printers/4F\_Computer\_room\_HP4515PCL

**Sharing:** Do Not Share This Printer

**Make:** 

h. 選擇 *HP LaserJet P4010 Series* / Choose *HP LaserJet P4010 Series*

## Add Printer

---

**Name:** 4F\_Computer\_room\_HP4515PCL


**Description:**

**Location:**

**Connection:** http://yuwany: [redacted]@printersv2:631/printers/4F\_Computer\_room\_HP4515PCL

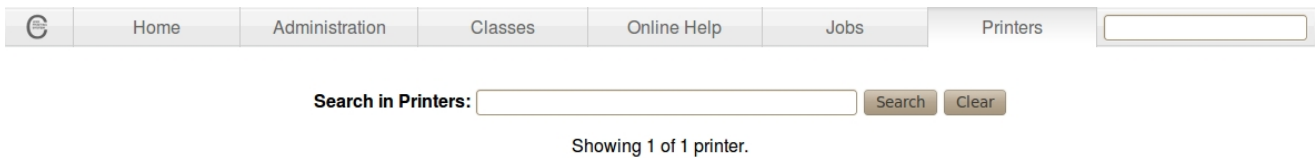
**Sharing:** Do Not Share This Printer

**Make:** HP

**Model:** 

**Or Provide a PPD File:**

i. 點擊 *Printers* 來設定印表機

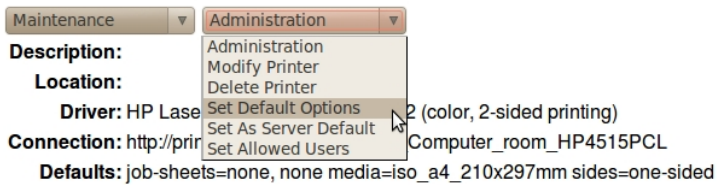


Queue Name	Description	Location	Make and Model	Status
4F_Computer_room_HP4515PCL			HP LaserJet p4515tn hpijs, 3.10.2	Idle

j. 點擊剛剛增加的印表機 4F\_Computer\_room\_HP4515PCL

Click 4F\_Computer\_room\_HP4515PCL

**4F\_Computer\_room\_HP4515PCL (Idle, Accepting Jobs, Not Shared)**



下拉 Administration 選擇 Set Default Options

Drop down *Administration* , Choose *Set Default Options*

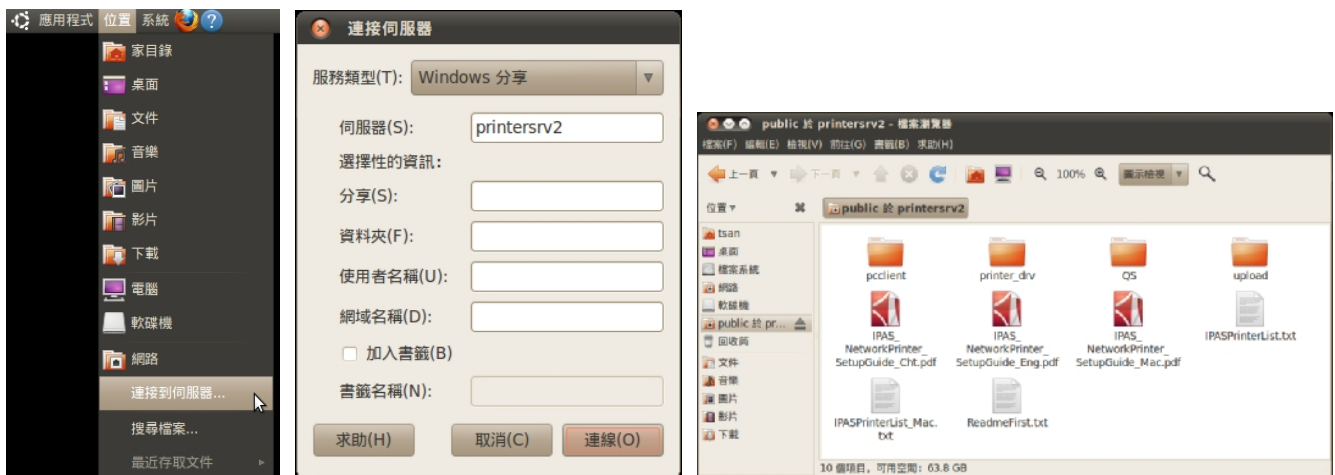
## k. 設定雙面列印 / Setup Duplex

### Set Default Options for 4F\_Computer\_room\_HP4515PCL



2. 連線到印表機伺服器，輸入 `smb://printersrv2`

Connect to Printer Server 2 , input `smb://printersrv2`



你可以取得印表機列表清單以及其他有用資料

You can get printer list and other useful documentation.

### 3. 使用者統計畫面 / User Statistics webpage

使用瀏覽器到 <http://printersrv2:9191/app>，鍵入帳號和密碼後按下 Login 按鈕，可以知道使用印表機的資訊。

Browse to <http://printersrv2:9191/app>、key in your username and password、you will know about your printing statistics。

The image shows a login form for PaperCut. At the top left, there is an icon of a printer with a padlock and three people icons. To the right of the icon is the 'PaperCut' logo. Below the icon and logo, there are three input fields: 'Username' with a text box, 'Password' with a text box, and 'Language' with a dropdown menu showing '英文'. A 'Login' button is located at the bottom right of the form.

### 4. 印表機伺服器 / Printer server : \\printersrv2\public

內有印表機驅動程式以及相關文件可供參考 / There're printer driver and documents inside

印表機清單 / Printers List : \\printersrv2\public\IPASPrinterList\_Linux.txt

### 5. 印表機 URL 清單

以下為驅動程式名稱及印表機 URL 的對應清單，請選擇相對應的驅動程式

Below you will see the mapping of driver name and Printer URL, please use corresponding driver

Epson AcuLaser C4200PS

[http://printersrv2:631/printers/1F\\_EpsonAL\\_C4200](http://printersrv2:631/printers/1F_EpsonAL_C4200)

[http://printersrv2:631/printers/3F\\_EpsonAL\\_C4200](http://printersrv2:631/printers/3F_EpsonAL_C4200)

FX ApeosPort-II 4000 PCL 6

[http://printersrv2:631/printers/1F\\_ApeosPort4000](http://printersrv2:631/printers/1F_ApeosPort4000)

FX DocuCentre-II 3005 PS / FX DC-II 3005 PCL / FX DocuCentre-II 3005 PCL 6

[http://printersrv2:631/printers/3F\\_FXDC3005Linux](http://printersrv2:631/printers/3F_FXDC3005Linux)

FX DocuCentre-II C2200 PCL 6

[http://printersrv2:631/printers/3F\\_FXDCC2200Linux](http://printersrv2:631/printers/3F_FXDCC2200Linux)

[http://printersrv2:631/printers/6F\\_FXDCC2200Linux](http://printersrv2:631/printers/6F_FXDCC2200Linux)

HP LaserJet 4350 PostScript

[http://printersrv2:631/printers/2F\\_HP4350PS](http://printersrv2:631/printers/2F_HP4350PS)  
[http://printersrv2:631/printers/3F\\_HP4350PS](http://printersrv2:631/printers/3F_HP4350PS)  
[http://printersrv2:631/printers/4F\\_HP4350PS](http://printersrv2:631/printers/4F_HP4350PS)  
[http://printersrv2:631/printers/4Fnew\\_HP4350PS](http://printersrv2:631/printers/4Fnew_HP4350PS)  
[http://printersrv2:631/printers/5F\\_HP4350PS](http://printersrv2:631/printers/5F_HP4350PS)  
[http://printersrv2:631/printers/7F\\_HP4350PS](http://printersrv2:631/printers/7F_HP4350PS)  
[http://printersrv2:631/printers/B1\\_HP4350PS](http://printersrv2:631/printers/B1_HP4350PS)  
[http://printersrv2:631/printers/B2\\_HP4350PS](http://printersrv2:631/printers/B2_HP4350PS)

HP LaserJet p4515tn hpijs

[http://printersrv2:631/printers/1F\\_Ad4515PCL](http://printersrv2:631/printers/1F_Ad4515PCL)  
[http://printersrv2:631/printers/1F\\_HP4515PCL](http://printersrv2:631/printers/1F_HP4515PCL)  
[http://printersrv2:631/printers/2F\\_Clean\\_room\\_HP4515PCL](http://printersrv2:631/printers/2F_Clean_room_HP4515PCL)  
[http://printersrv2:631/printers/3F\\_HP4515PCL](http://printersrv2:631/printers/3F_HP4515PCL)  
[http://printersrv2:631/printers/3F\\_Clean\\_room\\_HP4515PCL](http://printersrv2:631/printers/3F_Clean_room_HP4515PCL)  
[http://printersrv2:631/printers/4F\\_Computer\\_room\\_HP4515PCL](http://printersrv2:631/printers/4F_Computer_room_HP4515PCL)  
[http://printersrv2:631/printers/6F\\_HP4515PCL](http://printersrv2:631/printers/6F_HP4515PCL)

HP Color LaserJet 5500 v3010.107 PostScript

[http://printersrv2:631/printers/4F\\_Computer\\_room\\_HPColorPS](http://printersrv2:631/printers/4F_Computer_room_HPColorPS)

HP / HP Color LaserJet v2013.114 PostScript

<http://printersrv2:631/printers/Cups-ACW>  
<http://printersrv2:631/printers/Cups-JPG>  
<http://printersrv2:631/printers/Cups-PDF>