

Connecting to a Windows Network printer from a Mac

On print servers Calcium or Arsenic* using *Leopard (OSX 10.5)*

Printing background:

Because Mac OS X is a UNIX based operating system, connecting to Windows shares and network printers must be done through SAMBA. While in the Windows world you can simply network browse to a share or device, that doesn't always work with SAMBA resources. Below is the work-around to always connect to a printer on Calcium or Arsenic*.

Note: you will be entering your username and password below in plain view but once you click "Add" that information will no longer be visible. If your password contains special characters such as : ; % / or \ then you will have problems entering the URL below. It is recommended that you change your password at this time.

Connecting Leopard (OSX 10.5) to a Windows Shared Network Printer:

**Leopard has a bug that makes the printer not able to work properly when connected through "System Preferences" to a network printer

**Use CUPS (Common Unix Printing System) to connect

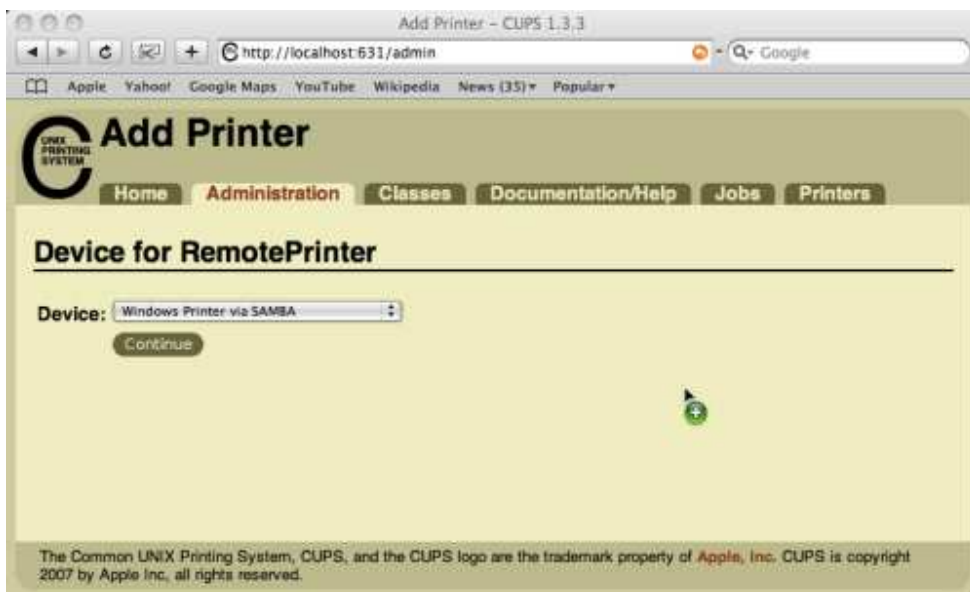
- 1) To access it, type in <http://localhost:631> to your browser.
 - This Should bring up the CUPS menu
- 2) Select "Add Printer" from the menu.



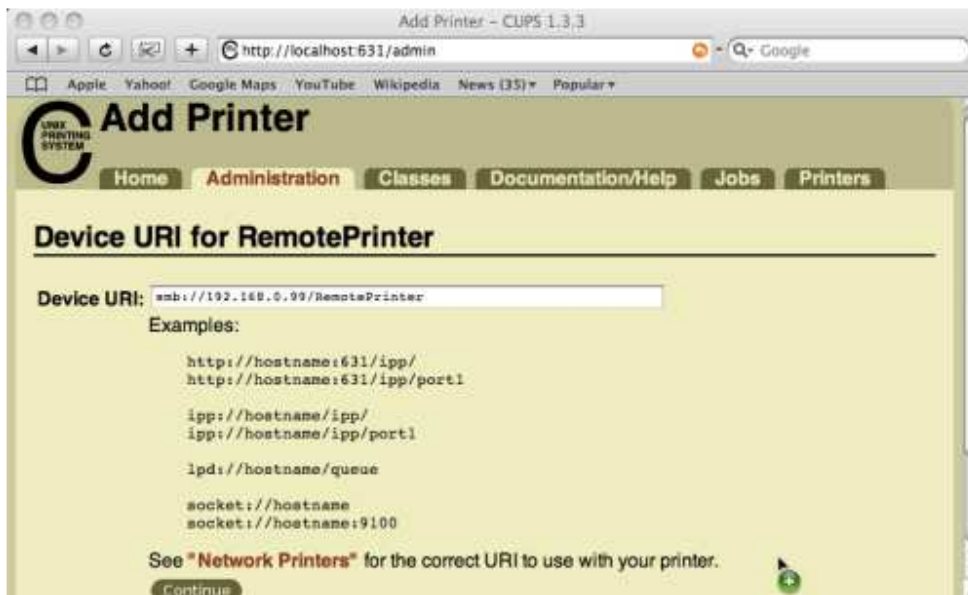
- 3) Type in a name to identify the printer on your Mac. Then hit “Continue”



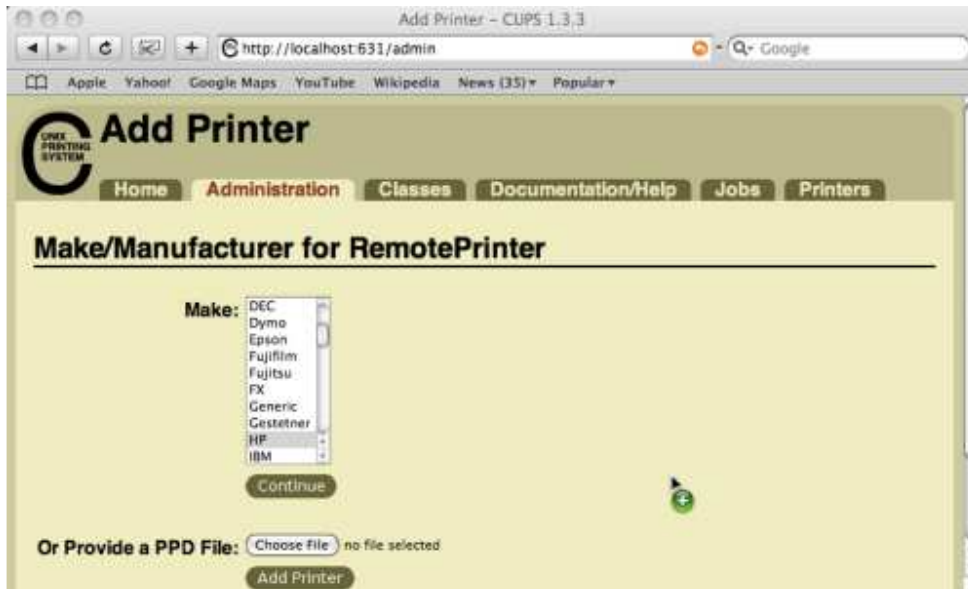
- 4) Under device select “Windows Printer via SAMBA” then hit “Continue”



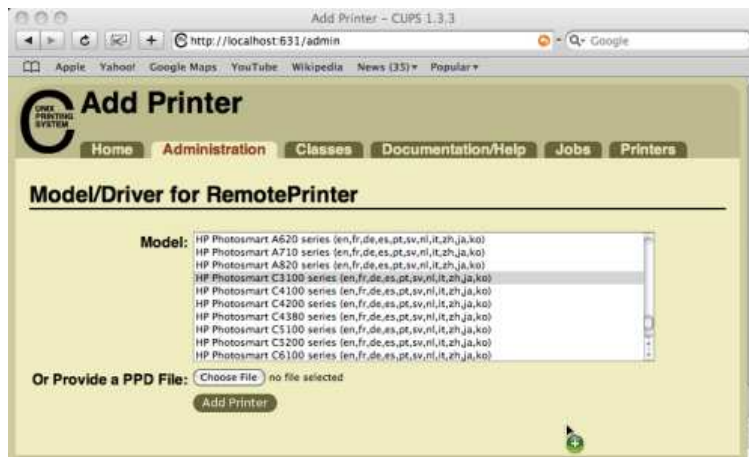
- 5) Enter the path for the shared printer
 - a. Enter the full network print queue name and login credentials in “Device URI”; for example “**smb://campus\username:password@calcium/c203**”
 - (use your windows credentials for username and password)
 - b. Leave “Printer Model:” set to “Generic”; Calcium and Arsenic are controlling the printer drivers and models.



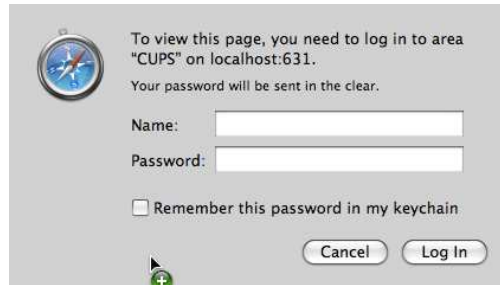
5) Select the correct manufacturer of the printer then hit “continue”



6) Select the correct model of the printer, then his “continue”



- 7) Enter the account for accessing the remote shared printer
 - Use your Mac credentials here (administrator)



**Printing a test page may fail from the CUPS, but you will be able to print from Mac OSX now. Also, the printer should show up in Mac OSX (system preferences / printers).

Public Printers on Calcium:

172.16.2.35	E152.print.ltu.edu	E152	HP	LaserJet 4250 PCL 6
172.16.2.81	C203-1.print.ltu.edu	C203	HP	LaserJet 1320
172.16.2.42	M113A.print.ltu.edu	M113A	HP	LaserJet 4250 PCL 6
172.16.2.68	APTS.print.ltu.edu	APTS	HP	LaserJet 4250 PCL 6
172.16.2.70	APTN1.print.ltu.edu	APTN1	HP	LaserJet 4250 PCL 6
172.18.8.17	acrc-hp800-hpgl.print.ltu.edu	ACRC-HP800-HPGL	HP	DesignJet 800 42
172.18.8.23	acrc-hp1055-ps.print.ltu.edu	ACRC-HP1055-PS	HP	DesignJet 1055CM PS3
172.18.8.15	acrc-hp4250.print.ltu.edu	ACRC-HP4250	HP	LaserJet 4250 PCL 6
172.18.8.16	acrc-hp5550.print.ltu.edu	ACRC-HP5550	HP	Color LaserJet 5550 PS
172.18.8.26	acrc-hp8150.print.ltu.edu	ACRC-HP8150	HP	LaserJet 8150 PS
172.16.2.60	S202.print.ltu.edu	S202	HP	LaserJet 4050

Alternate Method for Adding Printers with Leopard

Printing background:

Because Mac OS X is a Unix based operating system, connecting to Windows shares and network printers must be done through SAMBA. While in the Windows world you can simply network browse to a share or device, that doesn't always work with SAMBA resources. Below is the work-around to always connect to a printer on Calcium*.

Note: you will be entering your username and password below in plain view but once you click “Add” that information will no longer be visible. If your password contains special characters such as : ; % / or \ then you will have problems entering the URL below. It is recommended that you change your password at this time.

- Open System Preferences
- Double-click Printer & Fax
- Click “+” to add a new printer
- Right Click on the menu bar and choose Customize Toolbar...
- Drag the “Advanced” icon to the toolbar
- Click the Advanced icon
- 4. Select Advanced then specify the following printer settings.
 - Type: Windows
 - Device: Another Device
 - URL:
 - smb:// campus/calcium/printername
 - printername is the name of the printer share.
 - Name: the printer name
 - Location (optional)
 - Print Using: Select a driver to use -> search for the correct model.
 - C203 – HP LaserJet 1320
 - M113a, apt, aptn1, e152 – HP LaserJet 4250
- Select the Add button to save this printer.

The first time you print to the printer, you will need to enter your LTU username and password, not the Macadmin ID and password.