Pharos Popup 8.x for Mac OS X
Installation

based on instructions from: http://www.pharos.com/support/downloads/mac/PopUp-8.1-ReadMe.html

Quick Start

- Log in as an administrator and run the Popup installer to install Popup on your Mac OS X computers.
- Use the Mac OS X Printer Setup Utility to add Popup printer queues.

Requirements

Pharos Popup for Mac OS X has the following requirements:

Popup Client 8.4

- Mac OS X version 10.6, 10.7, 10.8, 10.9

Installing Popup

Incompatibility with Fast User Switching

Popup is currently not compatible with the Fast User Switching feature of Mac OS X. Always disable Fast User Switching when installing Popup on a computer.

Disable Fast User Switching

- Users & Groups > Login Options > UNcheck “Show Fast User Switching Menu as…”

To install Popup 8.4, obtain the Popup installer and run it:

- Double-click this file to create a new disk image in Finder. This disk contains the Popup 8.4 installer, Popup.pkg.
- Double-click the installer to run it. You may be requested to authenticate yourself as an administrator.
- Select a destination disk. You will only be able to select the startup disk.
- Click Install (or Upgrade). The installer automatically installs Popup 8.4 and required support files.

Pharos Popup will now be running on the computer and will be automatically launched every time a user logs in.
Configuring Printers

To start using Popup for Mac OS X, add Popup printer queues on the computer:

- Open System Preferences and click on the **Print & Scan** icon.
- Click the + button.
- Hold down the **Control** key on the keyboard and click anywhere on the toolbar. From the popup menu that appears, select **Customize Toolbar**....
- Drag the **Advanced** icon to the toolbar and close the customization dialog.
- Click on the **Advanced** button in the toolbar.
- From the **Type** popup button, select **Pharos Print Server**.
- In the **URL** field, enter the URL for the desired Popup queue on a Pharos Print Server. This value should have the format

```
popup://print_server_address/queue_name
```

The “print_server_address” should be replaced with the domain name or IP address of the Pharos Print Server. The “queue_name” should be replaced with the name of the desired queue on the Pharos Print Server. For University Library printing, choose

```
popup://libpharosprint.unm.edu/ULBW_Q
```

- In the **Name** field, enter **UL B&W Printer** as the name for the new printer queue. This is the name that will be shown to users on the computer.
- From the **Use** popup button, select the type of printer associated with the Popup queue. (selecting “Generic PostScript Printer” should work in most cases.)
- Click **Add**.
- In the next popup, “Setting Up xxx Printer”, select “Duplex Printing Unit” checkbox
- The new Popup queue will now show up in the list of printers.
- To print to the new queue, select it from the printer popup button in the print dialog of any application.

Repeat these instructions, and add a second printer called **UL Color Printer**:

```
popup://libpharosprint.unm.edu/ULCOLOR_Q
```

**Notes**

**Firewall notes**
If the software firewall (ipfw) on the computer is active, the following ports must be opened for TCP traffic for Popup to work:

- 515
- 28203

The firewall in Mac OS X is disabled by default. If it has not been manually activated, these ports will already be open.

**Removing Popup**

To remove the Popup client from a computer, run the Pharos Uninstaller:

- Launch the Uninstaller application in */Library/Application Support/Pharos/Utilities*.
- Select Pharos Popup and any other Pharos components that you would like to uninstall, then click *Continue*.
- A list of the selected items will be shown. Click *Continue*.
- Type in an administrator user name and password when required to do so. The selected components will be removed from the computer.