# Install Pharos client on macOS

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> **Do not use MIT GUEST**
> You cannot use the **MIT GUEST** wireless network to print to the Pharos printers.
> If your computer is connected via WiFi, you must be connected to the **MIT SECURE** wireless network.

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## Context

These instructions will step you through installing the Pharos Popup client software on your Mac. This will allow you to print to the Pharos printers from your Mac even if your Mac username is not the same as your MIT Kerberos username.

**Note:** If your Mac username is exactly the same as your MIT Kerberos username, it is easier to set up a new LPR printer on your Mac to print to Pharos. You do not need to install special Pharos software. You only need to follow the instructions in this article if your Mac username does not match your MIT Kerberos username.

**See Also:** Set Up Printing to Pharos as an LPR Printer on your Mac.

## Instructions

### Install Pharos Popup 9.0.1

1. Download the installer for MacOS:
   - Available on the IS&T Software Grid here.
2. Find the file you downloaded in step one and double-click it to extract the disk image. The file will be called `Popup-popup-9_0_1.dmg`. Depending on your settings the disk image may mount automatically as a new disk. If it does not...
3. Double-click the disk image you just extracted to mount the disk image. It will mount as a new disk called **Popup**.
4. Double-click the installer file `Popup.pkg` to run the installer.
5. Once the installer opens, follow the prompts to install **Popup 9.0.1** and the required support files. The installer will also automatically configure 2 printers: **bw** and **color**.

Whenever you print to either of the two printers configured by the installer, you will get a dialog box asking you to enter your **MIT Kerberos Username** and a **Job Name** for your print job. This is the information your job will be submitted to the Pharos server with so you can properly release it at the printer. Be careful to enter your MIT Kerberos username correctly, or you will be unable to release your jobs. For the **Job Name** field, you may enter any descriptive text (e.g. "My Thesis").

> **Tip: Job Name can be left blank**
> To save a step you can leave the job name blank and Pharos will use the document file name as submitted by your operating system. Just type your username and hit **Enter**...done!

### Uninstalling Pharos Popup

- You can uninstall Pharos popup by navigating to Library > Application Support > Pharos > Utilities and running the Uninstaller found there
- While installing the latest version of the popup should upgrade the previous version automatically, if you have issues you should manually run the uninstaller before installing the newest version.

## Configuring the Printers Manually

**Note:** Under normal circumstances, these printers should be configured automatically. Do not follow the instructions below unless you have successfully installed the Popup client and the printers were **not** automatically configured.

1. Click on the **Apple** menu and select **System Preferences...**
2. Select the **Print & Fax** (or **Print & Scan**) preference pane
3. Click the **+** sign below the list of printers to add a new one
4. You need to enable the **Advanced** tab in the **Add Printer** dialog:
    - Hold down the **Control Key** on your keyboard and click anywhere on the toolbar
    - From the popup menu that appears, select **Customize Toolbar...**
    - Drag the **Advanced** icon to the toolbar and click **Done** to close the Customize Toolbar panel
5. Click the added **Advanced** icon to switch to the Advanced tab and wait for it to appear.
6. Choose or enter the following settings:
    - **Type:** `Pharos Print Server`
    - **Device:** `Another Device`
    - **URL:** `popup://mitprint.mit.edu/bw`
    - **Name:** `MIT B&W Pharos Printers` (or a similar descriptive name)
    - **Location:** (Leave blank)
    - **Print Using:** `Generic PostScript Printer`

      (To configure the color printer, change `bw` to `color` in the URL above, and change the descriptive name accordingly.)
7. Click the **Add** button.
8. You will get an **Installable Options** dialog box:
    - Check the box next to **Duplex Printing Unit** (all Pharos pilot printers have duplex units)
    - Click **Continue**.
9. Restart your Mac to finish the installation and setup process.

That's it. You should now see a new printer called "MIT B&W Pharos Printers" in your list of printers.

## See also

- Pharos Printing Landing Page