Install the Pharos printing client on Ubuntu

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The easiest way to install the Pharos printing client is to install Debathena on your Ubuntu distribution (see How do I install Debathena on my personal computer?). If you do not wish to install Debathena, the following steps will guide you to install the client on Ubuntu 14.04 LTS, although the instructions should readily translate to other distributions on Linux.

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Installing required repositories and packages

1. Configure the required Debathena repositories. Follow Steps 1 to 4 of How do I install Debathena manually?.
2. Install the required packages. Execute on the command line as root:

```
aptitude update && aptitude install debathena-pharos-support
```

Black & white printing

1. Select **Printers** from the System Settings menu and click the **Add** button in the new window.
2. Select **Enter URL** from the list and enter the following device URL:

```
pharos://bw/joeuser
```

   Note: Replace `joeuser` with your MIT Kerberos username. Do not append @MIT.EDU to your username.

3. Click on the **Forward** button. The operating system will attempt to find the correct driver.
4. In the new window, click on the **Select printer from database** radio button under **Choose Driver**, then scroll down and select **HP**. Then click the **Forward** button.
5. You will be prompted to select a model. Select **LaserJet 9050**. Then, on the right hand side of the window, choose **HP LaserJet 9050 hpijs pcl3**.
6. You will then be prompted to name the printer and add a description. You can pick any name you want, but we recommend **mitprint**, which will match the configuration of the Athena cluster machines.

Color printing

1. Select **Printers** from the System Settings menu and click the **Add** button in the new window.
2. Select **Enter URL** from the list and enter the following device URL:

```
pharos://color/joeuser
```

   Note: Replace `joeuser` with your MIT Kerberos username. Do not append @MIT.EDU to your username.

3. Click on the **Forward** button. The operating system will attempt to find the correct driver.
4. In the new window, click on the **Select printer from database** radio button under **Choose Driver**, then scroll down and select **HP**. Then click the **Forward** button.

5. You will be prompted to select a model. Select **Color LaserJet cp3525dn**. Then, on the right hand side of the window, choose **HP Color LaserJet 9050 hpijs pcl3**.

6. You will then be prompted to name the printer and add a description. You can pick any name you want, but we recommend **mitprint-color**, which will match the configuration of the Athena cluster machines.

Troubleshooting

Some users have reported needing to enter the URL in the form ?of:

```
lpd://mitprint.mit.edu/queue/username
```

See also

- Set up Pharos as an LPR network printer on Ubuntu
- Pharos Printing Landing Page