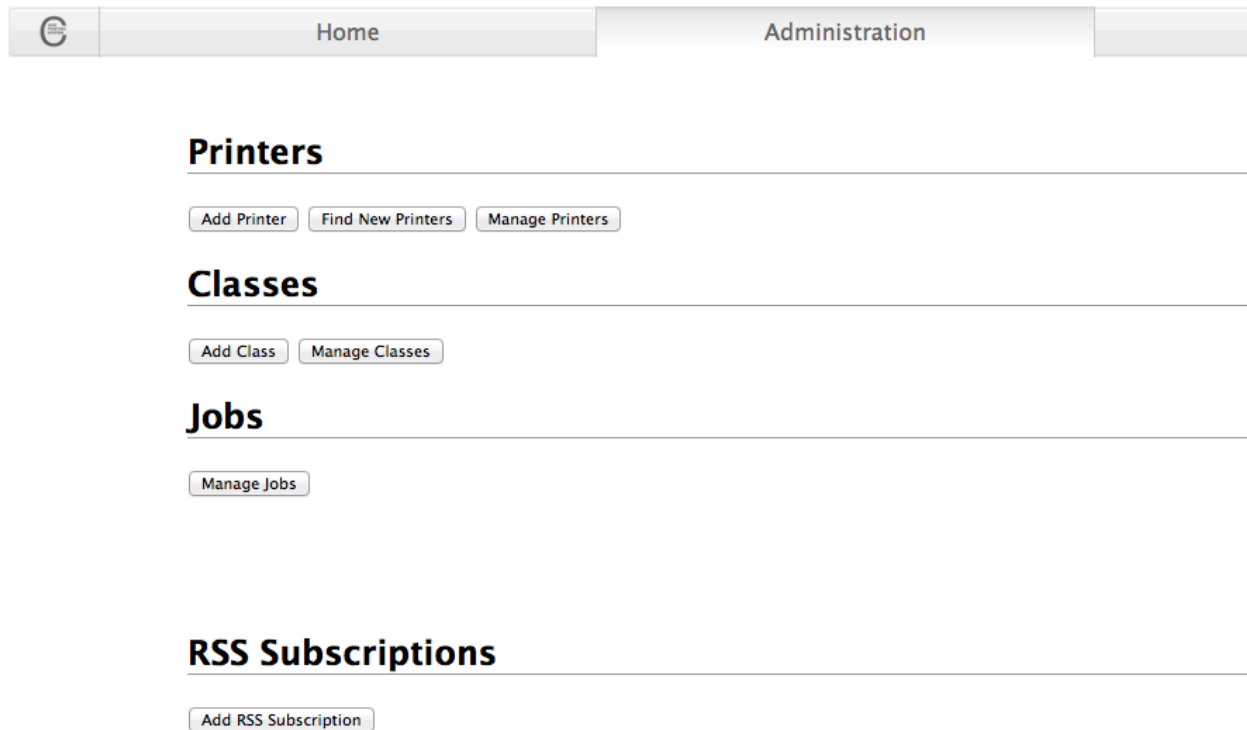


# Red Hat 6.x Printer Migration Steps

1. **In your web browser, type the address localhost:631 and hit enter.** All Red Hat linux 5 and 6 machines should have CUPS installed. If not, please contact our department for further steps. **NOTE:** For Duplex queues, please check Step 12 first for additional instructions.
2. At some point during the following steps you will be asked for your root credentials to continue.
3. **Click on the Administration tab.**
4. **Select Add Printer under Printers.**



The screenshot shows the Red Hat CUPS web interface. At the top, there is a navigation bar with a logo on the left and two tabs: "Home" and "Administration". The "Administration" tab is currently selected. Below the navigation bar, there are four main sections, each with a title and a horizontal line underneath:

- Printers**: This section contains three buttons: "Add Printer", "Find New Printers", and "Manage Printers".
- Classes**: This section contains two buttons: "Add Class" and "Manage Classes".
- Jobs**: This section contains one button: "Manage Jobs".
- RSS Subscriptions**: This section contains one button: "Add RSS Subscription".

5. Select Internet Printing Protocol (ipp) and click Continue.

**Other Network Printers:**

- Internet Printing Protocol (http)
- Internet Printing Protocol (https)
- Internet Printing Protocol (ipp)
- Internet Printing Protocol (ipps)
- LPD/LPR Host or Printer
- AppSocket/HP JetDirect
- Windows printer via spoolss

6. Under Connection, type:

`ipp://services.as.utexas.edu/printers/printer_name`

where *printer\_name* is the printer you wish to connect to: examples being dw, laser4, laser5, laser 16, bitbucket, etc. Example shows setup for the printer dw.

## Add Printer

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Connection:

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.

Click Continue.

7. Enter the printer name, description and location. Name = Description.

DO NOT SHARE the printer. Click Continue.

## Add Printer

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**Name:**   
(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:**

**Sharing:**  Share This Printer

8. Under Make, select Generic and click Continue.

## Add Printer

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**Name:** dw

**Description:** dw

**Location:** RLM 16.304

**Connection:**

**Sharing:** Do Not Share This Printer

**Make:**   
Dymo  
Epson  
Generic  
HP  
Intellitech  
Oki  
Raw  
Zebra

**Or Provide a PPD File:**  No file selected.

9. Under Model, select Generic PostScript Printer (en) and click Add Printer.

## Add Printer

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**Name:** dw  
**Description:** dw  
**Location:** RLM 16.304  
**Connection:** ipp://services.as.utexas.edu/ipp/dw  
**Sharing:** Do Not Share This Printer  
**Make:** Generic   
**Model:**   
  
  
**Or Provide a PPD File:**  No file selected.

10. Click Options Installed, if Duplexer present, select Installed

## Set Default Options for dw

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**Options Installed**   **General**   **Banners**   **Policies**

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### Options Installed

**Duplex Printing Unit:**  Installed  Not Installed

11. Click General, select the following: (options change depending on your system)

**Media Size** - US Letter

**Manual Feed** - No

**Duplex** - 2-Sided, Long-Edge Binding (No tumble)

**Media Source** - Printer Default  
**2-Sided Printing** - Long-Edge (Portrait)

## Set Default Options for dw

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Query Printer for Default Options

**Options Installed**   **General**   **Banners**   **Policies**

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### General

**Duplex:** 2-Sided, Long-Edge Binding (No Tumble) ▾  
**Media Size:** US Letter ▾  
**Manual Feed:**  Yes  No

12. Click Set Default Options

## dw (Idle, Accepting Jobs, Not Shared)

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Maintenance ▾ Administration ▾

**Description:** dw Administration  
Modify Printer  
**Location:** RLM **Delete Printer**  
Set Default Options  
**Driver:** Generic PCL5C Printer (grayscale, 2-sided printing)  
Set As Server Default  
**Connection:** ipp://services.as.utexas.edu/printers/dw  
Set Allowed Users  
**Defaults:** job-sheets=none, none media=na\_letter\_8.5x11in sides=one-sided

## Jobs

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Search in dw:

### 13. Repeat for all your printers.

Public Printers that are available:

dw - duplex color printer in RLM 16.304

laser13 - duplex black & white printer in RLM 13.122

laser15 - duplex black & white printer in RLM 15.210

laser16 - duplex print job load balancer class that uses laser4 and laser5

laser4 - duplex black & white printer in RLM 16.304

laser5 - duplex black & white printer in RLM 16.304

Recommended: laser16 and dw

### 14. *Optional - Duplex queues*

If you still would like to use duplex queues separately for easy command line printing, this is all done on the local machine now, instead of at the server level. To do so, only a few simple changes will need to be made to the steps above.

For your simplex queue, you will set the Default Options to no duplexer, no 2-sided printing.

For your duplex queue, at step 7, set your printer name and description to *printer\_namedup*, (ex. *dwdup*, *laser16dup*). DO NOT change the connection name in step 6, it will be the same as the simplex. Default Options will have 2-sided printing set at Long-Edge.

Since these are the default options for the printer, via command line, they should obey, but under some programs like adobe acrobat, they might not play so nicely with the dup queue, so you may still have to select duplex.

#### • **Deleting Printers already present**

In most cases, creating a new printer with the same name will overwrite the old printer. If this does not happen, under Printers at the top of the webpage, you will find a list of your current printers. If you need to delete the printer, select the printer and then under the Administration drop down menu for that printer, select Delete Printer.