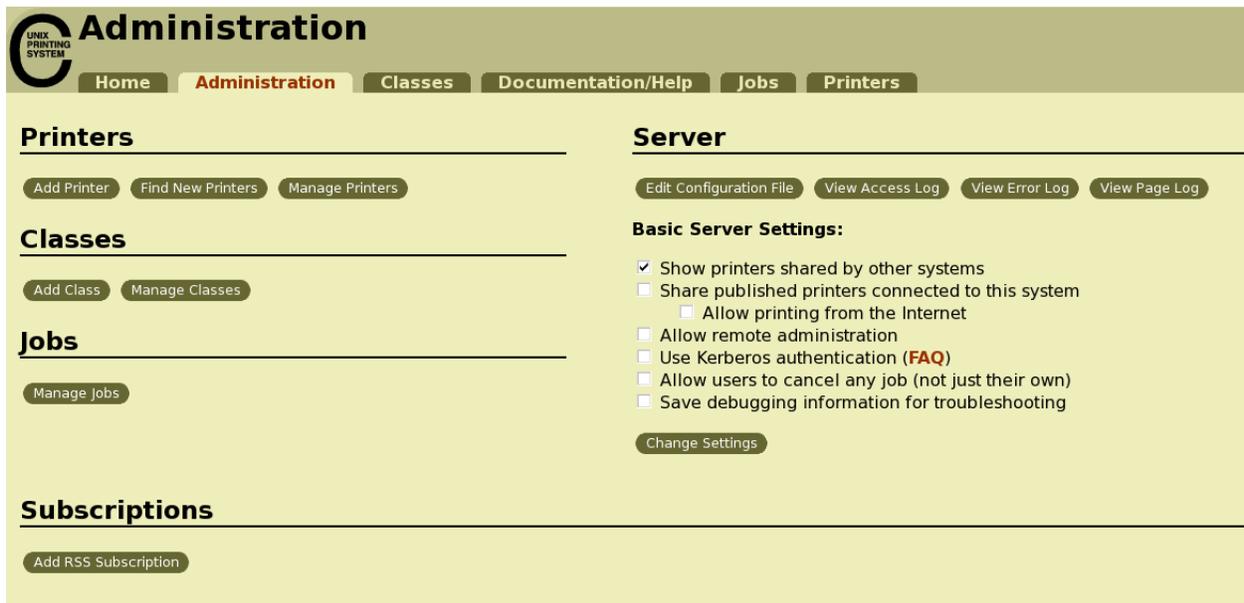


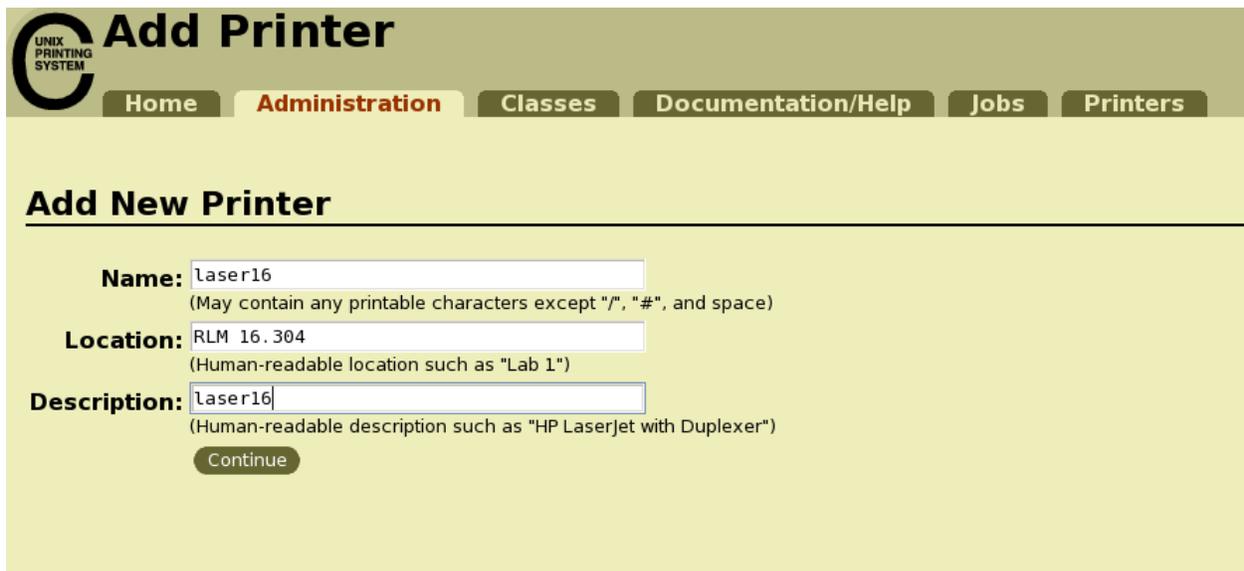
Red Hat 5.x Printer Migration Steps

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.



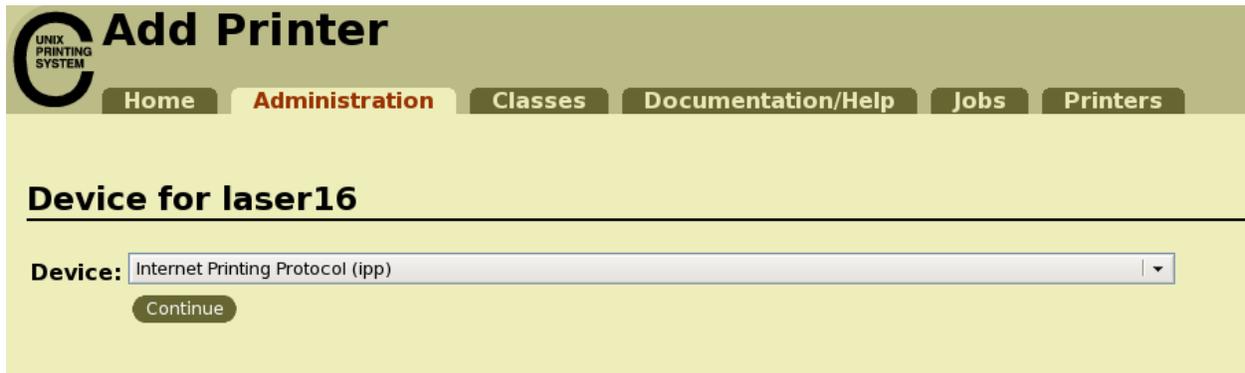
The screenshot shows the CUPS Administration web interface. At the top, there is a navigation bar with tabs for Home, Administration (selected), Classes, Documentation/Help, Jobs, and Printers. Below the navigation bar, the interface is divided into several sections: Printers, Classes, Jobs, Subscriptions, and Server. The Printers section has buttons for Add Printer, Find New Printers, and Manage Printers. The Classes section has buttons for Add Class and Manage Classes. The Jobs section has a button for Manage Jobs. The Subscriptions section has a button for Add RSS Subscription. The Server section has buttons for Edit Configuration File, View Access Log, View Error Log, and View Page Log. Below the Server buttons, there is a section for Basic Server Settings with several checkboxes: Show printers shared by other systems (checked), Share published printers connected to this system (unchecked), Allow printing from the Internet (unchecked), Allow remote administration (unchecked), Use Kerberos authentication (FAQ) (unchecked), Allow users to cancel any job (not just their own) (unchecked), and Save debugging information for troubleshooting (unchecked). A Change Settings button is located below the checkboxes.

4. Select Add Printer under Printers.



The screenshot shows the CUPS Add Printer web interface. At the top, there is a navigation bar with tabs for Home, Administration (selected), Classes, Documentation/Help, Jobs, and Printers. Below the navigation bar, the interface is divided into several sections: Add New Printer. The Add New Printer section has three input fields: Name (laser16), Location (RLM 16.304), and Description (laser16). Below the input fields, there is a Continue button.

5. Enter Printer Information and click continue. Description = Name for all printers. Select Internet Printing Protocol (ipp) and click Continue.

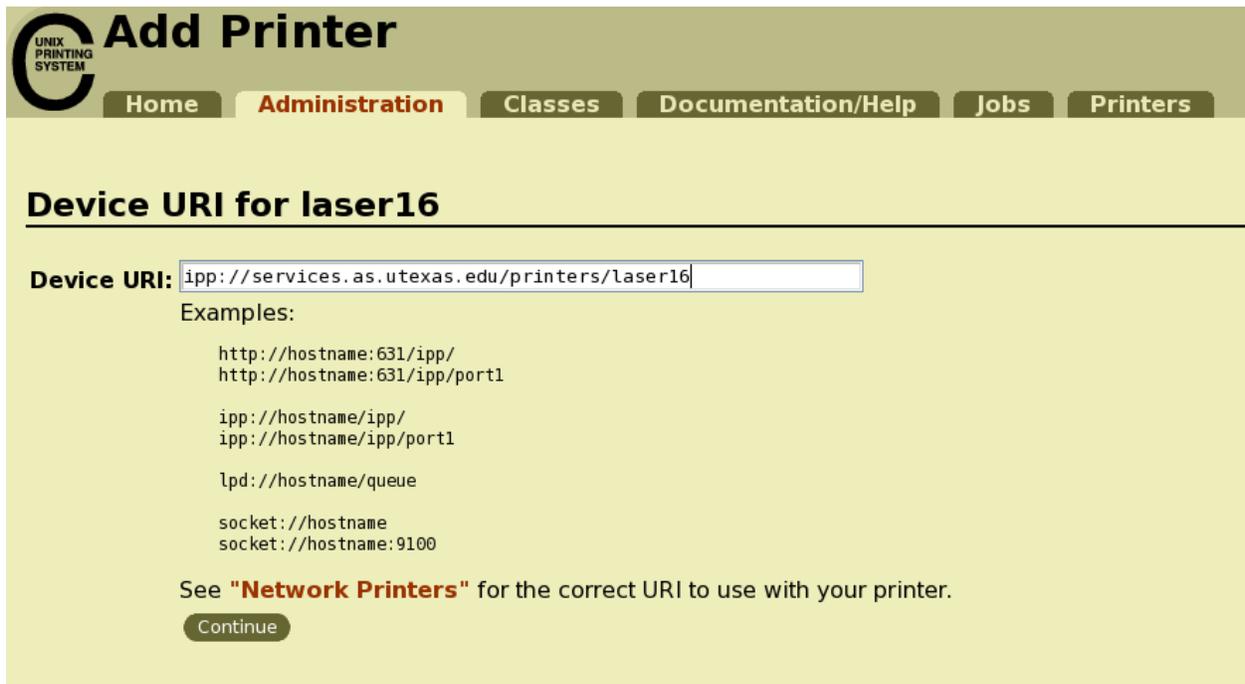


The screenshot shows the 'Add Printer' web interface. At the top left is the 'UNIX PRINTING SYSTEM' logo. The main heading is 'Add Printer'. Below the heading is a navigation bar with buttons for 'Home', 'Administration', 'Classes', 'Documentation/Help', 'Jobs', and 'Printers'. The 'Administration' button is highlighted. The main content area has the heading 'Device for laser16'. Below this is a 'Device:' label followed by a dropdown menu showing 'Internet Printing Protocol (ipp)'. A 'Continue' button is located below the dropdown.

6. Device URI:

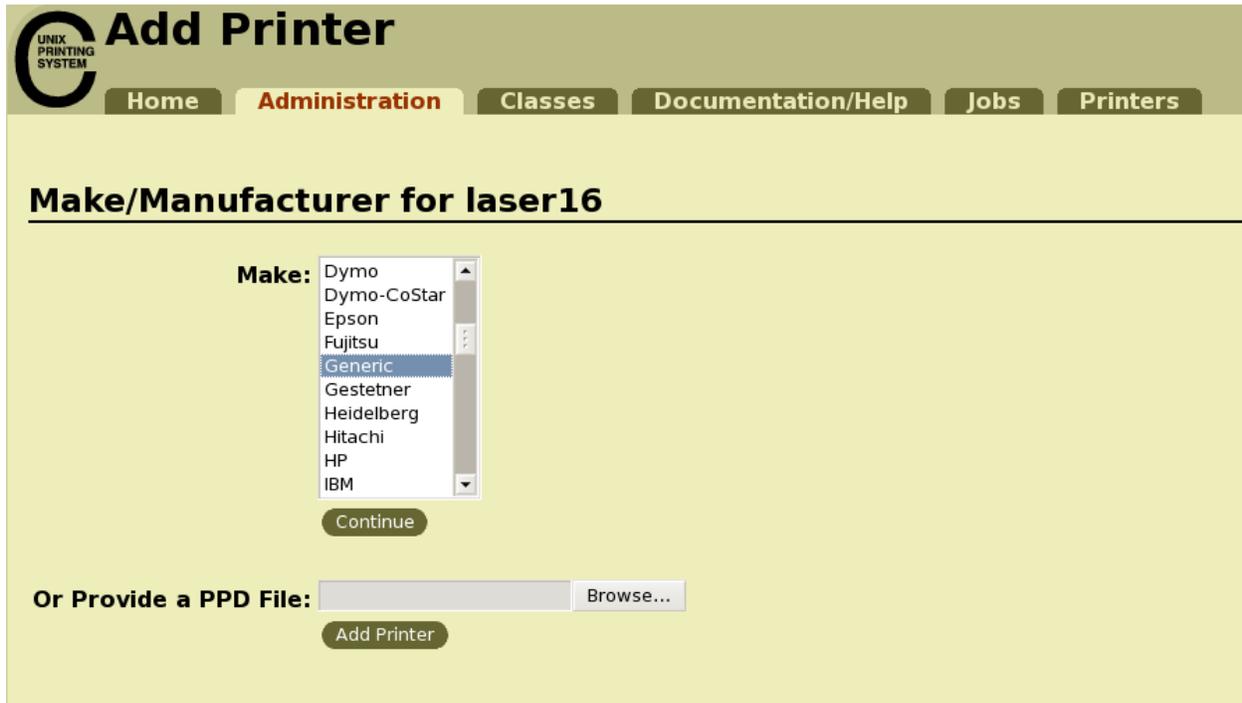
`ipp://services.as.utexas.edu/printers/printer_name`

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.



The screenshot shows the 'Add Printer' web interface. At the top left is the 'UNIX PRINTING SYSTEM' logo. The main heading is 'Add Printer'. Below the heading is a navigation bar with buttons for 'Home', 'Administration', 'Classes', 'Documentation/Help', 'Jobs', and 'Printers'. The 'Administration' button is highlighted. The main content area has the heading 'Device URI for laser16'. Below this is a 'Device URI:' label followed by an input field containing the URI `ipp://services.as.utexas.edu/printers/laser16`. Below the input field is the text 'Examples:' followed by a list of example URIs: `http://hostname:631/ipp/`, `http://hostname:631/ipp/port1`, `ipp://hostname/ipp/`, `ipp://hostname/ipp/port1`, `lpd://hostname/queue`, `socket://hostname`, and `socket://hostname:9100`. Below the examples is the text 'See "Network Printers" for the correct URI to use with your printer.' and a 'Continue' button.

- Under Make, select Generic and click Continue.



The screenshot shows the 'Add Printer' web interface. At the top, there is a navigation bar with the 'UNIX PRINTING SYSTEM' logo and several menu items: Home, Administration (highlighted), Classes, Documentation/Help, Jobs, and Printers. Below the navigation bar, the main heading is 'Make/Manufacturer for laser16'. A dropdown menu labeled 'Make:' is open, showing a list of manufacturers: Dymo, Dymo-CoStar, Epson, Fujitsu, Generic (highlighted), Gestetner, Heidelberg, Hitachi, HP, and IBM. Below the dropdown is a 'Continue' button. Further down, there is a text input field labeled 'Or Provide a PPD File:' with a 'Browse...' button to its right and an 'Add Printer' button below it.

- Under Model, select Generic PostScript Printer Foomatic/Postscript (recommended) (en) and click Add Printer.



The screenshot shows the 'Add Printer' web interface. At the top, there is a navigation bar with the 'UNIX PRINTING SYSTEM' logo and several menu items: Home, Administration (highlighted), Classes, Documentation/Help, Jobs, and Printers. Below the navigation bar, the main heading is 'Model/Driver for laser16'. A dropdown menu labeled 'Model:' is open, showing a list of printer models and drivers: Generic PCL 6/PCL XL Printer Foomatic/hpijs (en), Generic PCL 6/PCL XL Printer Foomatic/hpijs-rss (en), Generic PCL 6/PCL XL Printer Foomatic/lj4dith (en), Generic PCL 6/PCL XL Printer Foomatic/lj5gray (en), Generic PCL 6/PCL XL Printer Foomatic/ljet4 (en), Generic PCL 6/PCL XL Printer Foomatic/ljet4d (en), Generic PCL 6/PCL XL Printer Foomatic/pxlmono (recommended) (en), Generic PostScript Printer Foomatic/Postscript (recommended) (en) (highlighted), Generic text-only printer (en), and Generic ZjStream Printer Foomatic/foo2zjs (recommended) (en). Below the dropdown is a 'Browse...' button. Further down, there is a text input field labeled 'Or Provide a PPD File:' with a 'Browse...' button to its right and an 'Add Printer' button below it.

9. Under **General Default Options**, you should get the following screen. Adjust to the following options. Notable changes are:

laser16: General

Page Size: US Letter | ▾

Resolution: Printer Default | ▾

Media Source: Default | ▾

Double-Sided Printing: Long Edge (Standard) | ▾

Set Printer Options

laser16: Miscellaneous

GhostScript pre-filtering: Convert to PS level 1 | ▾

Set Printer Options

laser16: Banners

Starting Banner: none | ▾

Ending Banner: none | ▾

Set Printer Options

laser16: Policies

Error Policy: retry-job | ▾

Operation Policy: default | ▾

Set Printer Options

Double-Sided Printing - Long-Edge (Standard)
GhostScript pre-filtering - Convert to PS level 1
Error Policy - retry-job

10. 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

11. *Optional - Duplex queues*

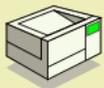
If you still would like to use duplex queues separately for easy command line printing, this is all done on the local machine now, instead of at the server level. To do so, only a few simple changes will need to be made to the steps above.

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

For your duplex queue, at step 4, set your printer name and description to *printer_namedup*, (ex. dwdup, laser16dup). DO NOT change the device URI in step 6, it will be the same as the simplex. Default Options will have double-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.

dw



Description: DW

Location: RLM16.304

Printer Driver: Generic PostScript Printer Foomatic/Postscript (recommended)

Printer State: idle, accepting jobs, not published.

Device URI: ipp://services.as.utexas.edu/printers/dw

Print Test Page

Stop Printer

Reject Jobs

Publish Printer

Modify Printer

Set Printer Options

Move All Jobs

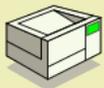
Cancel All Jobs

Delete Printer

Set As Default

Set Allowed Users

dwdup



Description: dwdup

Location: 16.304

Printer Driver: Generic PostScript Printer Foomatic/Postscript (recommended)

Printer State: idle, accepting jobs, not published.

Device URI: ipp://services.as.utexas.edu/printers/dw

Print Test Page

Stop Printer

Reject Jobs

Publish Printer

Modify Printer

Set Printer Options

Move All Jobs

Cancel All Jobs

Delete Printer

Set As Default

Set Allowed Users

- **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 the Printers tab at the top of the webpage, you will find a list of your current printers. Simply select Delete Printer for the printer in question.