

## Printing

Most printers are automatically supported by Black Lab Enterprise Linux. The Printer Configuration application allows you to add printers, as well as modify their settings. You can also use this application to share the printer with other computers on a network, disable the printer or restart it.

### Local printing

A local printer is one which is directly connected to your computer (as opposed to a network printer, discussed in Network printing). To set up a new local printer, plug your printer into your computer and power it on. Most printers will be automatically detected and configured. Once detected, a printer icon will appear in the notification area and you should get a popup with the text Printer is ready for printing. If your printer was not detected, then you will need to follow these steps:

Obtain the model name of your printer

Ensure the printer is turned on

Go to → Settings Manager → Printers

Click Server → New → Printer

Your printer should be automatically detected and displayed in the Devices window

Select your printer and click Forward

Your computer will search for and install drivers for your printer

You can enter a description and location for your printer

Press Apply

Your printer should be properly configured at this point and you will be prompted if you want to print a test page

If you press the Print Test Page button, a test page will print and you can verify if it printed correctly, or you can press Cancel. Either way, your printer is ready to print.

If you are still experiencing problems, try using the CUPS browser-based interface. It can be accessed at <http://localhost:631/>.

[Tip]

If your printer was not automatically detected, you can try to select the port and printer driver manually. Some printers need further setup. Search the OpenPrinting database or check the Ubuntu Wiki Printer page for information on your printer.

## Network printing

You can also configure your Black Lab Enterprise Linux system to send print jobs to a remote print server. Remote printers are hosted somewhere on a network. To configure a remote printer:

Obtain the model name of your printer

Ensure the printer is turned on

Go to → Settings Manager → Printers

Click Server → New → Printer

Click on Network Printer in the Devices window

If your printer is directly connected to a Windows machine on your network, choose Windows Printer via SAMBA. Otherwise, select the protocol your printer uses to communicate.

Insert the details of the network printer and press Forward

Select the printer manufacturer and then press Forward

Select the printer model and driver then press Forward

You can enter a description and location for your printer in the corresponding fields

Press Apply

Your printer is properly configured at this point and you will be prompted to print a test page, press Cancel or Print Test Page depending on your preference

[Note]

If you do not know the protocol or details of your network printer, you should consult your network administrator.

[Tip]

If you do not have a network printer, but want your printer to be shared to other computers on your network, click Server → Settings from the Printers dialog, check the box Publish shared printers

connected to this system, and then press OK. Other computers running versions of Black Lab Enterprise Linux later than 13.04 will automatically detect printers shared this way. Computers running Black Lab Enterprise Linux versions prior to 8.1, or other Linux/Ubuntu-based systems, may need to enable a setting to show shared printers.

## **Scanning**

Many scanners are automatically supported by Black Lab Enterprise Linux, and should be easy to install and operate. This section will walk you through how to use your scanner and what to do if Black Lab Enterprise Linux does not detect your scanner.

Does my scanner work in Black Lab Enterprise Linux?  
There are three ways to see if your scanner works in Black Lab Enterprise Linux:

Simply plug it in and try it! If it is a newer USB scanner, it is likely that it will just work.

Check the list of supported scanners for Black Lab Enterprise Linux

Check the SANE project listing of support scanners. SANE is the software used by Black Lab Enterprise Linux for most of its scanner support.

## **Using your scanner**

To scan a document:

Place what you want to scan on the scanner

Go to → Graphics → Simple Scan

Click the arrow to the right of the Scan button and choose the type of media you are scanning, Text or Photo

Click the Scan button to begin your scan

The computer says "No scanners detected"  
There are two reasons why you might get this message:

Your scanner is not supported in Black Lab Enterprise Linux. For example, most parallel port scanners and Lexmark All-in-One printer/scanner/faxes are not supported.

The driver for your scanner is not being loaded automatically.

You may be able to get your scanner working by installing a driver or altering some configuration files. Please ask for advice on the Black Lab Enterprise Linux.boards.net forums or on AskUbuntu.

[Note]

To get some scanners working, you may need to plug in the scanner after the computer has booted.

### **Manually installing a scanner**

There are some scanners that have less-than-complete drivers from the SANE project. They can sometimes be used, but not all the features may work.

Install the `libsane-extras` package

Run `pkexec mousepad /etc/sane.d/dll.conf` at the command line to open the SANE driver file for editing

Enable the correct driver for your scanner by removing the `#` from in front of the name of the driver. You may need to search the web to find out which driver is the right one.

Save the file and open Simple Scan. If all goes well, your scanner will now work.