

Chapter 5

Printers and Scanners

We Shall be Covering ...

Usage of devices which facilitate the transfer of information to and from paper:

- printers
- scanners

Printers and Scanners

Printer

- output device
- transfer information from digital form to hard copy (paper)

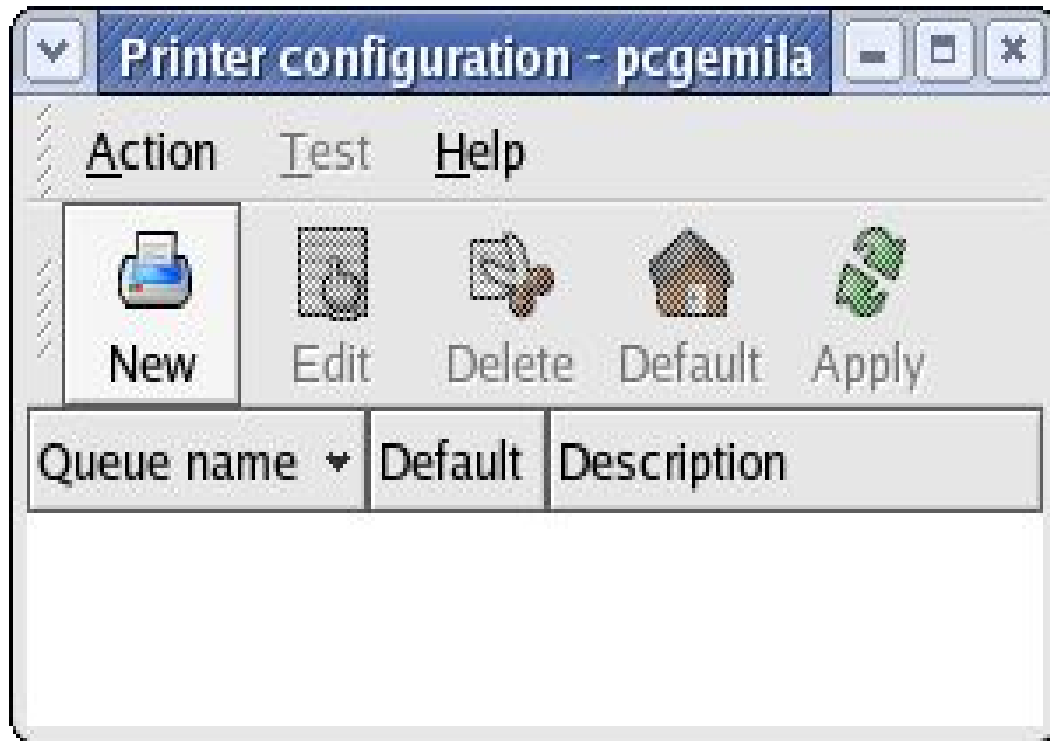
Scanner

- input device
- transfer information from hard copy to digital form

Printer Setup

- Click on Print Manager icon on Panel
- Perform printer setup
- Follow instructions on the screen
- Use:
 - Queue type – locally connected
 - Printer device - /dev/lp0
 - Printer model - ?????
- Print test page

Printer Setup



- Click on Print Mgr icon on Panel
- If asked to run “printer configuration tool” select OK
- Click on “New” button to configure a new printer

Printer Setup

- Add new print queue
- Fill in print queue details
- Queue type – local
- Select printer device - /dev/lp0
- Select printer mfg and model
- Finish, print test page

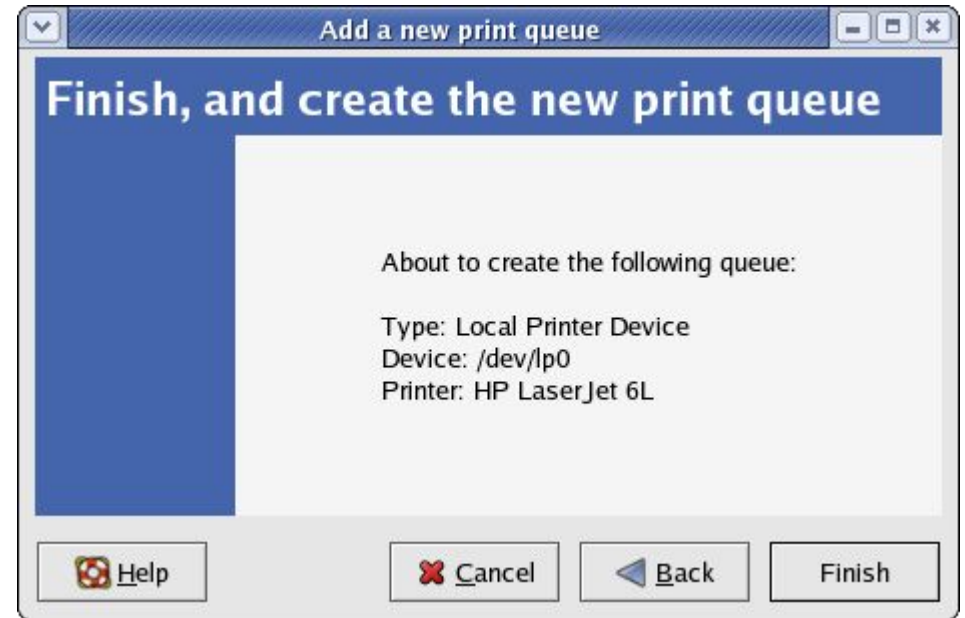
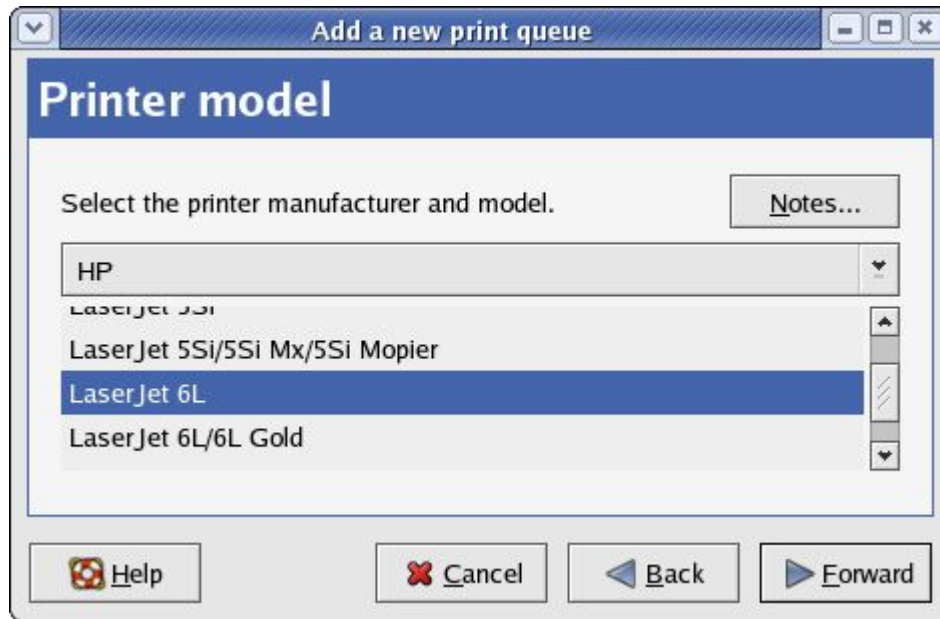
Printer Setup

The screenshot shows the 'Add a new print queue' dialog box with the 'Queue name' tab selected. The dialog has a title bar with a dropdown arrow, a close button, and a maximize button. The main area has a blue header 'Queue name' and a light gray background. Below the header, there is a text box for the queue name containing 'printer1'. Below that is an 'About' section with a text box for a short description containing 'Laser printer'. At the bottom, there are four buttons: 'Help' (with a question mark icon), 'Cancel' (with a red X icon), 'Back' (with a left arrow icon), and 'Forward' (with a right arrow icon).

The screenshot shows the 'Add a new print queue' dialog box with the 'Queue type' tab selected. The dialog has a title bar with a dropdown arrow, a close button, and a maximize button. The main area has a blue header 'Queue type' and a light gray background. Below the header, there is a dropdown menu for 'Select a queue type:' with 'Locally-connected' selected. Below that is a list box containing '/dev/lp0'. At the bottom, there are two buttons: 'Rescan devices' (with a green refresh icon) and 'Custom device' (with a green plus icon). At the very bottom, there are four buttons: 'Help' (with a question mark icon), 'Cancel' (with a red X icon), 'Back' (with a left arrow icon), and 'Forward' (with a right arrow icon).

- Add new print queue
- Fill in print queue details
- Queue type – local
- Select printer device - /dev/lp0

Printer Setup



- Select printer mfg and model
- Finish, print test page

Print Manager

Used to set up and monitor printers

- To modify properties of a printer:
- To monitor status of print jobs
- To cancel outstanding print jobs

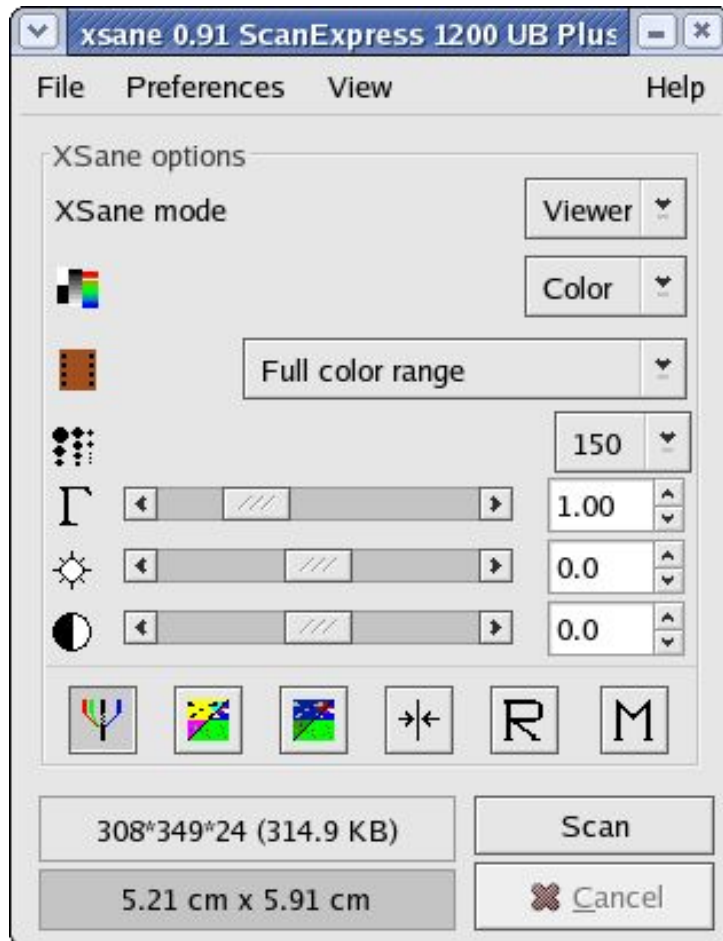
Scanner

- Flat-bed scanner for personal use
- Connected by USB, SCSI or parallel ports
- XSane software as GUI front-end
 - www.xsane.org
- SANE backend to control/drive hardware
 - www.sane-project.org
- Most common scanners supported.
 - check SANE website for scanner support

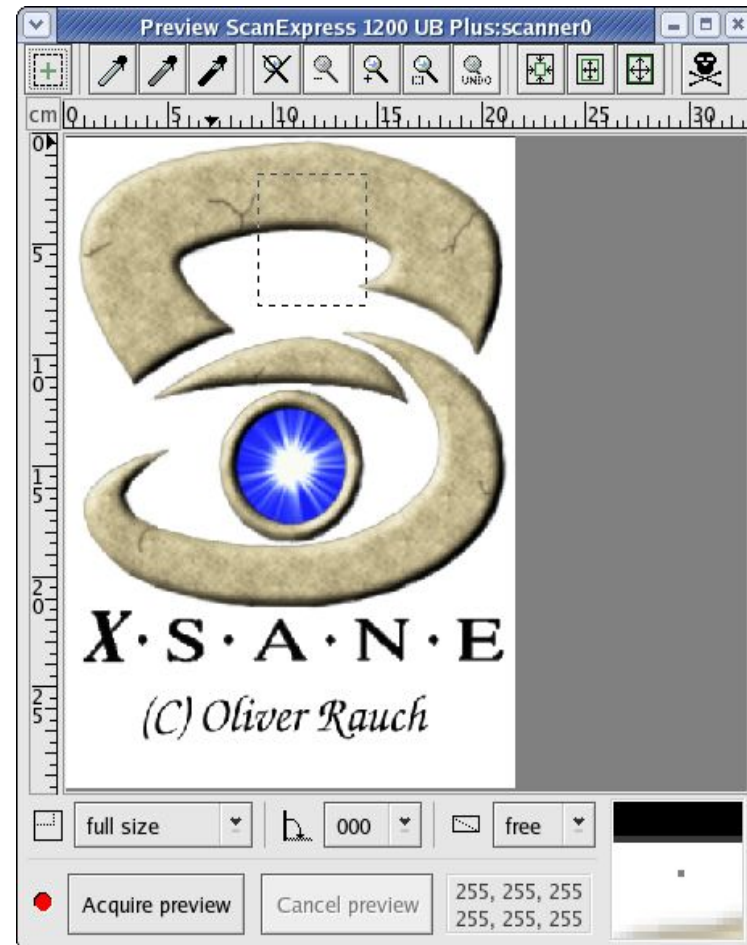
Using XSane

Invoke by:

Main Menu --> Graphics --> Scanning



XSane main window



Preview window

Scanning an Image

To scan an image (e.g. photo, document):

- Place image in scanner bed
- In Preview window, select “Acquire preview”, the scanner bed is scanned and previewed
- From image in Preview window, select the actual area to be scanned, using:
 - autoselect scanarea button
 - autoraise scanarea button
 - visible area button
 - mouse (manually)
- Adjust scan area with mouse if incorrect

Scanning an Image

- Adjust/enhance image in Preview window for colour correction, contrast, brightness using the buttons in the XSane main window.
- Click on "Scan" in main window
- Scanned image appears in Viewer window
- Save scanned image in Viewer window

End of Chapter 5