

Fundamentals of UNIX
Lab 11.4.3 – Using CDE Print Manager
(Estimated time: 30 min.)

Objectives:

- Access CDE Print Manager
- Check Printer Properties
- Monitor the Printer Queue
- Use File Manager to Print Files
- Cancel a Print Job from the Queue

Background:

In this lab, you will work with the Common Desktop Environment (CDE) Print Manager and File Manager to control your printing environment. CDE Print Manager is a graphical tool for managing print queues and it performs many of the same functions as the `lpstat` command. The CDE Print Manager utility provides a graphical interface to the printing system and can be used to view or change print queue jobs. File Manager can be used in conjunction with Print Manager to print files and performs similar functions to the `lp` command.

Tools / Preparation:

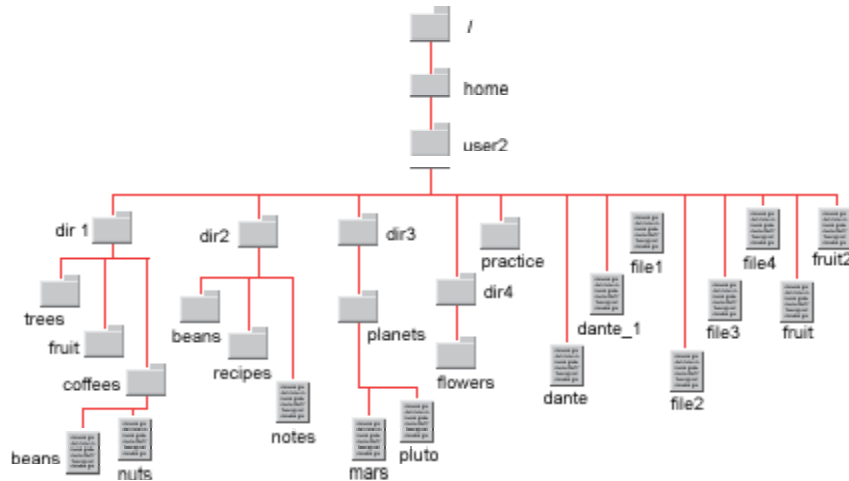
- a) Before starting this lab, review Chapter 11, Section 4 – Using CDE Print Manager
- b) You will need the following:
 1. A login user ID (e.g. user2) and password assigned by your instructor.
 2. A computer running the UNIX operating system with CDE
 3. Networked computers in classroom with the class file system installed
 4. Network printer available and print server running

Notes:

Fundamentals of UNIX
Lab 11.4.3 – Using CDE Print Manager
Worksheet

Use the diagram of the sample Class File System folder tree to assist with this lab.

Class File Tree Structure



Step 1. Log in to CDE

Login with the user name and password assigned to you by your instructor in the CDE entry box provided.

Step 2. Access CDE Print Manager

To activate **Print Manager**, Click the **Printer** icon on the **Front Panel**. The Printer Jobs window displays a list of the current printers. Double clicking the printer icon will show any outstanding print requests in the print queue. Only one printer icon will be displayed in the Printer Jobs window. This represents the printer chosen by the user (this may or may not be the same as the system default printer.)

- a. Click on the **Printer** icon on the **Front Panel** to start **Print Manager**. What is the title of the windows that opens? _____
- b. What is the name of the **printer** shown in the window? _____
- c. What is the status of the **print queue** as shown in the lower left corner? _____

Step 3. Check Printer Properties

- a. Click the **printer** to select it. Click on the **Selected** menu and click **Properties**. What is the name of the **Printer Queue**? _____ What is the **Device name**? _____
- b. Right click on the printer and select properties from the menu. Does this accomplish the same thing as using the Selected menu? _____
- c. What is the status of the Printer Queue? _____ What is the status of the Device Name? _____

Fundamentals of UNIX
Lab 11.4.3 – Using CDE Print Manager
Worksheet – Cont.

Step 4. Monitor the Printer Queue

- a. If possible, have your instructor login as root and **disable the printer** on the print server temporarily so that you can see what is in the queue before it is printed.
- b. Open a Terminal Window and send **individual** print requests for the files in your home directory that start with **file** to your default printer. Send them in sequence starting with file1, then file2 etc. What command did you use? _____
- c. Double click on the **printer** icon in the Printer Jobs window to see the print jobs in the queue.
- d. Select one of the print jobs and click on the **Selected** menu. Select **Properties** from the menu. What is the size of the file to be printed? _____
- e. Right click on one of the other jobs in the print queue and select properties from the menu. What is the size of the file to be printed? _____ What information is displayed in the Printer Jobs Properties window that is not contained in the **lpstat** display? _____

Step 5. Use File Manager to Print Files

You can print a file from the File Manager window by dragging and dropping it on the Print Manager icon or dropping the object directly into the Print Manager Printer Jobs window. Once the file object has been dropped into the Print Jobs window, another window will be displayed in which you can specify several options for printing. Once the Print button is selected, the file will be sent to the appropriate printer queue.

- a. **Access File Manager** by clicking the **File Drawer** icon on the **Front Panel** or by right clicking on the **workspace desktop** and then on the **Files** menu. Keep the Printer Jobs window open.
- b. Navigate to the **planets** directory and select the **mars** file and drag it to the **Printer jobs** window. Are the options in the Print window similar to those available with the **lp** command? _____
- c. Click on the Print button. What window was displayed next? _____
- d. Drag the **pluto** file to the Printer icon on the Front Panel. Did you get the same results as dragging the file to the Printer Jobs window? _____

Step 6. Cancel a Print Job from the Queue

- a. Select one of the print jobs and click on the **Selected** menu. Select **cancel** from the menu. What response did you get? _____
- b. Select one of the print jobs and click on the **Selected** menu. Select **cancel** from the menu. What response did you get? _____
- c. Click on the Yes button. Was the print job removed from the queue? _____
- d. Cancel all remaining print jobs in the queue.

Step 7 – Remove Files and Directories Created in this Lab

Remove any files and directories created in your home directory during this lab.

Step 8. Logout

Exit the CDE File Manager by clicking the File menu and click Close. Close any terminal windows. Click the **EXIT** icon on the front panel.