

Fundamentals of UNIX Labs Workbook
Lab 2.2.7 – Becoming Familiar with CDE
(Estimated time: 30 min.)

Objectives:

- Review the CDE front panel icons and menus
- Manage CDE windows
- Lock the Display
- Work with Workspaces
- Use the Workspace Menu

Background:

In this lab, you will work with the standard UNIX graphical user interface (GUI) known as Common Desktop Environment or CDE. You will become familiar with the Front Panel and use the mouse and keyboard to manage windows. You will also practice locking the display, moving between workspaces and using the Workspace menu.

Tools / Preparation:

- a) Before starting this lab, review Chapter 2, Section 2 – Becoming Familiar with the Common Desktop Environment (CDE).
- 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.

Web Site Resources:

- [Sun Microsystems](http://www.sun.com/solaris) – <http://www.sun.com/solaris>

Notes:

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Worksheet

Conventions: When instructed to either single click, click, or double click use the left mouse button. When instructed to right click use the right mouse button. A left click or double left click typically selects or executes an icon while a right click typically opens a menu of options associated with the icon.

Perform the following steps to complete this lab.

Step 1. Logging to CDE.

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

Step 2. Examining the CDE Front panel.

The middle section has four workspace buttons and icons for Lock, GO and Exit. There are 5 icons to the left and right of the middle section. Move your mouse cursor over each of these for one or two seconds to determine what each one does. Write your answers below.

Left Side Front Panel Icons (left to right)	Right Side Front Panel Icons (left to right)

Step 3. Displaying subpanel menus

There is also a **subpanel menu button** with an arrow on it above each of the 10 icons listed in the previous step. Single click on each one of these from left to right and record the menu heading on each below. Double click on the dash in the upper right corner of each menu to close it.

Left Side Front Panel Subpanels	Right Side Front Panel Subpanels

Step 4. Displaying System Information

Single click on the **Hosts** subpanel menu and then click on the **System Info** icon. Answer the following questions (answers will vary). Double click the dash button to close the workstation information window.

- a. What is the workstation name? _____
- a. How much Physical memory (RAM) is installed in this workstation? _____
- b. What operating system is installed? _____

Step 5. Minimizing the front panel

At the top left corner of the CDE front panel is a window menu button with a dash on it. Single click this button and minimize the front panel (you can also double click on this button). Double click on the minimized front panel icon to restore it to its original size.

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Worksheet – Cont.

Step 6. Opening and minimizing a window.

Single click on the **Text Note** icon on the front panel to open a text editor window.

Once the text editor window has been opened, convert the window to an icon by minimizing it. You can click on the dash button in the upper left corner or single click on the button with a dot on it in the upper right corner. Double click on the minimized icon to restore the window to its original size.

Step 7. Maximizing a window

Maximize the Text editor window with the dash menu button in the upper left corner or the box button in the upper right corner. Click on the box button again to **restore** the window to its original size or use the dash menu button.

Step 9 – Sizing a window.

Move your cursor over the any edge (or corner) of the Text editor window. You will see a small bar with an arrow. While the bar and arrow are displayed, click and hold the left mouse button and drag the side of the window to enlarge it.

Step 10. Moving a window

Single click on the heading bar of the Text editor window with the left mouse button and hold the button down. Drag the window to a new location. Note the two numbers in parenthesis indicating screen position X and Y coordinates. You can also use the dash menu button and select **move**.

Step 11. Working with overlapping windows.

With the Text editor window open click on the Calendar icon from the front panel. Note that it overlaps or covers the Text editor window. Calendar is now the **foreground window** or process. To bring the Text editor window back to the foreground click on any portion of the window if you can see it. If not, click on the Calendar dash menu and select **Lower** from the menu. This will lower the Calendar window to the background and raise the Text editor window to the foreground.

Step 12. Close both Calendar and Text editor windows.

Step 13. Locking your workstation

If you need to leave your workstation for a while and want to leave your desktop as it is, you can **lock** your workstation. When you return you will need to provide a password to **unlock** your workstation. A system administrator can also unlock any workstation with the root or superuser password.

Lock your workstation and then unlock it. What icon did you use to lock the workstation? _____

Step 12. Working with Workspace buttons

Workspace buttons allow you to have multiple desktops. You can have one set of applications open in one workspace and another set of applications open in another. You can click on each workspace button to move from one workspace to another. Each workspace has a different backdrop. The workspace buttons are numbered one through four. They can be renamed by right clicking on one of the buttons. Workspace **one** is opened by default.

- a. While in workspace **one**, open a Text editor window.
- b. Click on workspace button number **two** and open a Calendar window
- c. Click on workspace button number **three** and open a Printer jobs window
- d. Click on workspace button number **four** and open a Mail window
- e. Click each workspace button to move between the four windows
- f. Close the application window running in each of the four workspaces
- g. Right click on button number **one** and rename it to you first name and press enter

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Worksheet – Cont.

Step 13. Working with the Workspace menu

You can access the Workspace menu by right clicking anywhere on the backdrop of the workspace. The options shown are similar to those available with the subpanel menus except that all applications are available.

- a. Right click on the backdrop and click **Hosts** from the menu displayed.
- b. Click on Workstation Info. This is that same information you saw earlier.

Step 14. Logging out of CDE

Exit from your current CDE session and confirm that you want to log out.