

Fundamentals of UNIX
Lab 12.5.2 – CDE Archive Tools
(Estimated time: 20 min.)

Objectives:

- Become Familiar with CDE graphical backup, compression and restore capabilities
- Access the Files subpanel Archive Option
- Archive a File with the Archive Option
- Archive a Folder with the Archive Option
- Restore an Archived File and Folder with File Manager
- Compress a file with the Files subpanel Compress Option
- Uncompress a File with File Manager

Background:

In this lab, you will work with the Common Desktop Environment (CDE) Utilities to backup, compress, and restore files and folders. The Files subpanel on the Front panel in conjunction with File Manager can be used to archive, compress and restore files creating the same results as using the **tar**, **compress**, and **uncompress** commands.

Tools / Preparation:

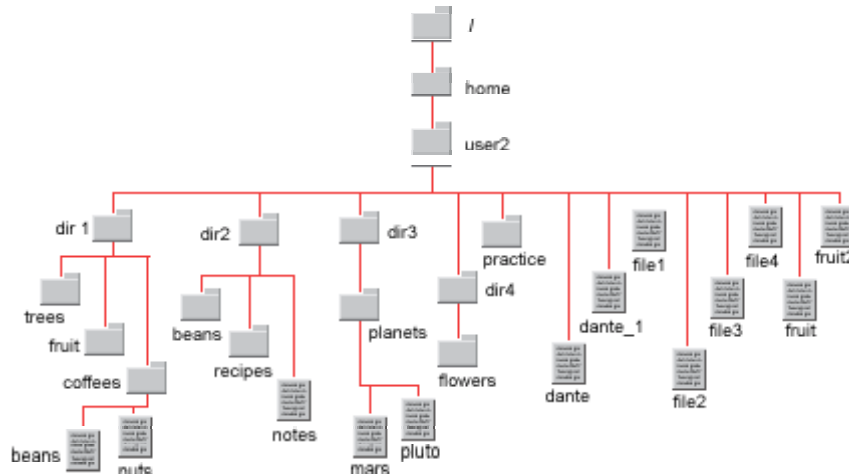
- a) Before starting this lab, review Chapter 12, Section 5 – GUI Backup Tools
- b) You will need the following:
 1. A login user ID (e.g. user2) and password assigned by your instructor.
 2. A computer running the UNIX operating system with CDE
 3. Networked computers in classroom with the class file system installed
 4. Network printer available and print server running

Notes:

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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.

Step 2. Access Files Subpanel Archive Option

Click on the **Files** subpanel from the CDE Front Panel and then select the **Archive** menu option. An Archive window will open, to allow you to enter the following information:

Folder for archive - This is the folder where the archive (tar) file will be placed. The default is your home folder (e.g.: /home/userX).

Name for Archive - The name you wish to give the archive file.

File or folder to Archive - The name of a folder, file or group of files to be combined into an archive.

Step 3. Archive a File

a. Click on the **Archive** option from the **Files** subpanel above the file drawer icon. Leave the "Folder for Archive" entry blank. What is the default folder where the archive will be placed? _____

b. Tab to "Name for Archive" and enter **dante.tar**. Then, Tab to "File or Folder to Archive" and enter **dante**.

d. Click **OK** to archive the **dante** file. What window was displayed when you clicked OK?

e. Close the Archive status window.

f. Open File Manager and check your home folder for the new archive file. What is the icon on the Archived file? _____

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Step 4. Archive a Folder

- a. Click on **Archive** option from the **Files** subpanel. Leave the “Folder for Archive” entry blank. What is the default folder where the archive will be placed? _____
- b. Tab to “Name for Archive” and enter **practice/dir2.tar**. Where will this archive file be placed?

- c. Tab to “File or Folder to Archive” and enter **dir2**.
- d. Click **OK** to Archive the **dir2** folder. What window was display when you clicked OK?

- e. Close the Archive status window.
- f. Open **File Manager** and navigate to your **practice** folder? Is the archived folder there?

Step 5. Restore an Archived File and Folder

You can restore an archive quickly using **File Manager**.

Note: If the original file exists in the folder where the Archive is restored, it will be overwritten by the restored version.

- a. Open File Manager and locate the tar file you created previously from the **dante** file. It should be in your home folder.
- b. Select the **dante** archive file and click on the **Selected** menu. What option from the menu would allow you to extract the files from the tar file? _____
- c. Select the **Archive Unpack** option from the menu. What was the response?

- d. Navigate to the **practice** folder where the archive file for **dir2** was placed.
- e. Double click the archived **dir2** file icon to see a table of contents of the tar file. Close the Archive window. This is the same as using the **t** option with the **tar** command.
- f. Select the **dir2** archive file and either use the **Selected** menu or **right click** the mouse and click on the Archive Unpack option. Were the **dir2** directory contents unpacked? _____

Step 6. Compress and Uncompress a File

You can **compress** and **uncompress** files with **File Manager** also. The compressed file will be renamed with a **.Z** extension, and it will reside in whatever folder it was in before the compress (default is home folder).

- a. Click on the **Files** subpanel from the CDE Front Panel and then select the **Compress** File menu option. A Compress window will open to allow you to enter the name of the File to compress.
- b. Enter the relative path to the **beans** file. What is the path you entered? _____

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- c. Open **File Manager** and navigate to the **coffees** folder. What is the compressed name of the beans file? _____
- d. What is the icon for a compressed file? _____
- e. Use the **Selected** menu or **right click** on the file to see its properties. Click on information. Can you tell what type of file it was? _____
- f. Close the **Properties** windows and **right click** on the compressed file icon again. Click on **Uncompress** to restore the **beans** file to its original form.
- g. Use the Selected menu or right click on the file to see its properties. Click on information. Can you tell what type of file it is? _____
- h. Close the uncompress status window.

Step 7 – Remove Files and Directories Created in this Lab

Remove any files and directories created in you home folder 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.