

## Section 1 Lab LPIC-1, Exam 1 (101-500)

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### Recommended Linux Distributions for this exercise:

- CentOS version 7
- Ubuntu Desktop 18.04LTS

**Note:** For a successful lab session, it is assumed you are using the recommended Linux distribution(s) and the recommended version, and that your Linux systems are booted. In addition, it is assumed that you can log into the system as a standard user as well as either the root account or a user with super user privileges.

Follow the following actions to explore concepts and commands covered in this section (but please feel free to explore as much as you want):

1. Log into your CentOS distro graphical user interface (GUI), using the username and password you created when you installed the system.
2. Access the terminal emulator app on this system.
3. Jump to the TTY2 terminal, by pressing the appropriate keys. Do not log in here.
4. Go to the TTY3 terminal, by pressing the appropriate keys. Do not log in here.
5. Return to the GUI, by pressing the appropriate keys.
6. In the terminal emulator app, type **exit** and press the Enter key to close out the terminal emulator app.
7. Log into your Ubuntu distro graphical user interface (GUI), using the username and password you created when you installed the system.
8. Access the terminal emulator app on this system.
9. Jump to the TTY2 terminal, by pressing the appropriate keys. Do not log in here.
10. Go to the TTY3 terminal, by pressing the appropriate keys. Do not log in here.
11. Return to the GUI, by pressing the appropriate keys.
12. In the terminal emulator app, type **exit** and press the Enter key to close out the terminal emulator app.
13. Jump back to the TTY2 terminal, by pressing the appropriate keys, and log in using the username and password you created when you installed the system.
14. Once you have received a command-line prompt, type **tty** and press Enter to determine which terminal you are logged into.
15. Review your username, by typing **whoami** and pressing Enter.
16. Look at your account's home directory, which should be your current working directory, by typing **pwd** and pressing Enter.
17. Look at the files and directories (if any) that are located in your current working directory, by typing **ls** and pressing the Enter key.
18. Type **logout** and press Enter to log out of the TTY2 terminal
19. Log back in to the TTY2 terminal, using the username and password you created when you installed the system.
20. View the directories at the root of the virtual directory structure, by typing **ls /** and pressing Enter.
21. Look at one particular directory name (but not its contents) by typing **ls -d /etc** and pressing Enter.
22. Look at that directory's contents by typing **ls /etc** and pressing Enter. The contents may go flying by on your screen, so that you cannot view them all in a single screen (and that's okay.)
23. Assuming you are still logged into the TTY2 terminal on Ubuntu, type **cd /etc** and press Enter to change your current working directory to the /etc directory.
24. Verify you are in the /etc directory, by typing **pwd** and pressing Enter.
25. Use another absolute directory move by typing **cd /var/log** and pressing Enter.
26. Confirm you are in the /var/log directory using the appropriate command.
27. Return to the /etc directory by using a cd command shortcut. Type **cd -** and press Enter.

28. Confirm you are in the `/etc` directory by using the appropriate command.
29. Return to your home directory by typing `cd` and pressing Enter.
30. Now go back to the `/var/log` directory using the `cd` command and arguments of your choice.
31. Confirm you are in the `/var/log` directory using the appropriate command.
32. Return to your home directory using the command of your choice.
33. Logout of the terminal, by typing `exit` and pressing Enter.