

Purpose: To familiarize you with the systems you will be using.

Submission: You will submit a document (text file) called `hw01.txt` via the command “`~grader/submit 01`”. As a reminder, this document and all submissions in this course will have a header containing the following information:

Your name, your login name, and the name of the machine on which you did the assignment (see label on the front, or use `hostname` command).

All the questions will also serve to drill you on the organization of the Linux file system. The first three questions are also a drill on using the online manual.

How many users are listed in the password file of the server *cheetah*? (Fortunately there is one user per line.) Hint: use `man -k` to find a command that prints the number of lines in a file.

1) Report: the number of entries in the password file and the command you used to find out.

File system organization:

Examine: the configuration file that controls the `inetd` system service on your Linux system.

2) Report: What is the exact name of this file, in what directory did you find this file, and what commands did you use to do this.

Locate: the program that will tell the disk space usage on your Linux system.

3) Report: What is the name of that program, in what directory (where) is the program found and what commands did you use to do this.

The next 5 questions are designed to make you use various commands with specific options. The answers themselves are of minor interest, the drill here is on use of various Unix commands. These commands will be frequently used by you in later assignments.

Report the answer to each of the following questions and the commands you used to find that answer.

4) Your `/etc/X11` directory should contain templates for the configuration file for the X window system, what are the names of these files/this file? (Hint: the file names start with `xorg`.)

5) In the `/usr/lib64` directory, there are several entries that support the *Xfontcache* (the library name includes those letters). What are the full names of those entries? (Hint, use `ls` with wild cards).

6) Examine the `/proc` file system. What is the cpu MHz of your machine. Hint: this is information about the cpu and can be obtained using the `cat` command on the correct pseudo-file.

Examine the log files on the server *jaguar* (Hint: You will need to `ssh` or `telnet` to *jaguar*):

7) Give the names of the last 3 log files that have changed and the dates at which they changed.

8) Give the last 3 lines found in the `messages` log file.

If you have NOT run the register program from `hw00`, please do 9 to be added to my gradesheet.

9) Log into *cheetah* and run the `register` program, follow the instructions that program gives you. (No submission on this one.)