

CSIS 3230 Computer Networking Principles

Lab 2 – Linux Intro, continued

Name:

1. More file system practice

- a) Write the command used to remove execute permissions from lab1

- b) Write the command to change directories to lab1:

What happens when you try to change directories to lab1?

- c) Write the command to display the contents of file1:

What happens when you try to display the contents of file1?

- d) Write the command used to change permissions on lab1 as described.

- e) What happens when you try to change directories to lab1?

- f) What happens when you try to list the files in lab1?

- g) What happens when you try to display the contents of file1?

2. Shell scripts

- a) Describe what the echo command does.

- b) What happens when you try to execute the script before changing permissions?

- c) ☐ Script successfully executes all commands

- d) Describe what \$USER represents

- e) Explain the effect of using the \$() in the echo command:

- f) Write the modified command on line 5 of the script:

- g) Write the command that displays the system uptime:

3. Testing your powers

- a) Describe the error that occurs when attempting to view the contents of /etc/shadow.

- b) Describe the permissions for the file /etc/sudoers (which *user* and *group* can read and write it).

Can read:

Can write:

- c) Based on the information in the sudoers file, which user and groups have privileges to use sudo?

User:

Groups:

- d) Why is your login user able to use sudo?

4. What is your address?

- a) What is your MAC address?

- b) What is your IP v4 address?

- c) What is the IP address of the lo interface?

- d) Why do you think it is necessary to use sudo with the ifconfig command when changing your IP address, but not when just showing information about the active interfaces?

- e) Summarize the results of running the ping command