

CSCI 211: Unix Lab

Practice 1

Exercise 1:

Connect to a Linux server via windows using an SSH client

1. Click [putty](#) on your desktop.
2. Type [138.238.148.14](#) and choose port [22](#). Click open.
3. Enter your username and password. Press enter.
4. Type [id](#) and press return. This will show your account information.
5. Type [passwd](#) and press return. This command allows you to change your current password. (Do remember your new password as you set).
6. Type in [exit](#) and press return. Your session should be over.

Exercise 2:

Use some basic commands

1. Connect to [138.238.148.14](#) again as in Exercise 1.
2. Run the command "source /lab1/prep-prac.sh" exactly once.
3. Type [pwd](#) and press return, this shows the path of your current directory.
4. Type [cd ~](#) and press return, then you are in your home directory.
5. Run [pwd](#) command again, this shows the path of your home directory
6. Go to 'lab1' directory, by typing [cd lab1](#) and press return.
7. Go to 'prac' directory, by typing [cd prac](#) and press return.
8. Run [pwd](#) command to check you are in the directory of '/home/<your username>/lab1/prac' (a.k.a. '~ /lab1/prac').
9. Type in [ls -l](#) and press return. This will show the contents (directories and files) of the current directory with detailed information. You should understand the content is a directory or file, its user owner and group owner, last modification time, size and the access permission. ([ls -l](#) is LS SPACE minus sign L, all in lower case)
10. Type in [ls -al](#) and press return. This will show you a list of all contents in current directory. Invisible files' name begins with '.'. You should see a file named '.youcantseeme' which you didn't see in the previous step.
11. Go to the root directory. You can run command [cd /](#).
12. Go to the '~ /lab1/prac' directory again. You can run command [cd ~/lab1/prac](#).
13. Go to the parent directory of current one, by typing [cd ..](#) and press return.
14. Run [pwd](#) command to check where you are.
15. Go to the '~ /lab1/prac' directory again, and then run command [ls -l myfile](#) to get the detailed information on the file named 'myfile'. What's the access permission of this file?
16. To remove Readable, Writable and eXecutable permissions for Group members and Other users for file myfile, you can run [chmod go-rwx myfile](#). Run [ls -l myfile](#) again to check the current access permission.
17. To add Readable, Writable for User owner and Group member for file myfile, you can run [chmod ug+rw myfile](#) command. Run [ls -l myfile](#) again to check the current access permission.
18. Run [man cd](#) and [man chmod](#) and read the detailed usage of 'cd' and 'chmod'.