

IS 600
Linux Fun
Olson
Lab 1

I. *Connecting to a Linux Machine*

You will need a program to connect to the linux machine

WINDOWS Users

We will use Secure Shell (ssh) to connect.

<http://searchsecurity.techtarget.com/definition/Secure-Shell>

3 The program I am using is at

<http://www.putty.org/>

It can be downloaded and run. You want putty.exe

APPLE USERS

Open a terminal window

Ssh username@199.193.232.244

II. User Accounts

4. Here is information on setting up users for the class.

The CS Linux Mint server IP is: 199.193.232.244

You have accounts based on your WOU login.

We have added the number 17 to all accounts.

So for example

Email

cbrown16@mail.wou.edu

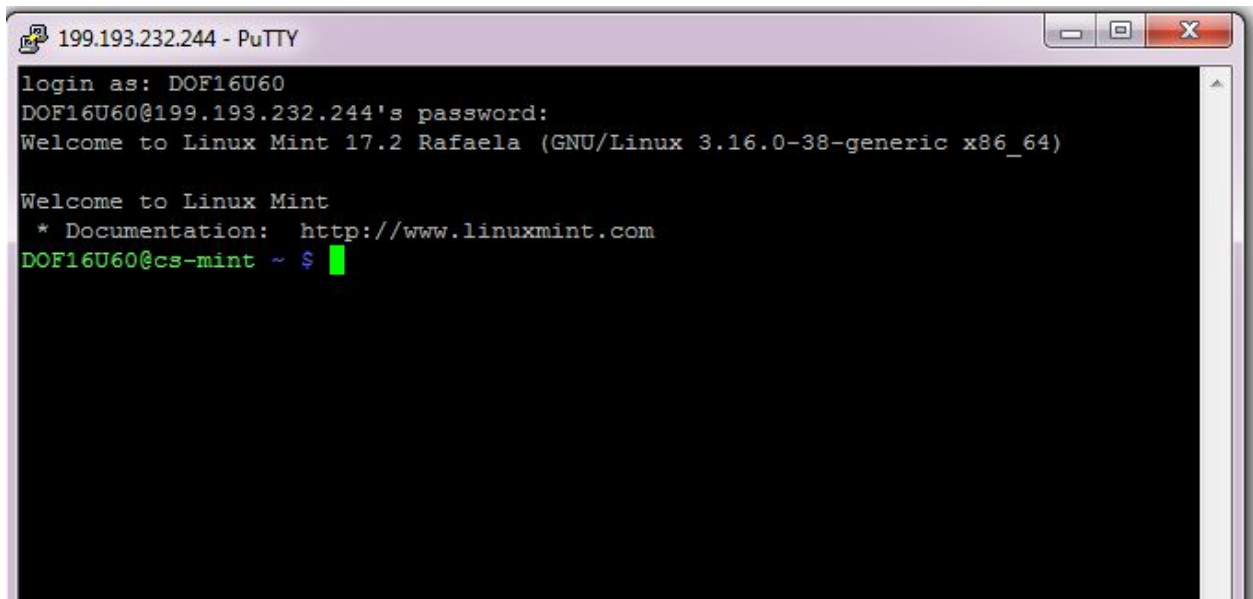
Login would be

cbrown1617

Password is

T3mp1

USE THE ACCOUNT ASSIGNED TO YOU IN CLASS/

A screenshot of a PuTTY terminal window titled "199.193.232.244 - PuTTY". The terminal shows a login process for a user named "DOF16U60". The prompt is "login as: DOF16U60", followed by "DOF16U60@199.193.232.244's password:". After the password is entered, the system displays "Welcome to Linux Mint 17.2 Rafaela (GNU/Linux 3.16.0-38-generic x86_64)". Below this, it says "Welcome to Linux Mint" and provides documentation at "http://www.linuxmint.com". The final prompt is "DOF16U60@cs-mint ~ \$" with a green cursor.

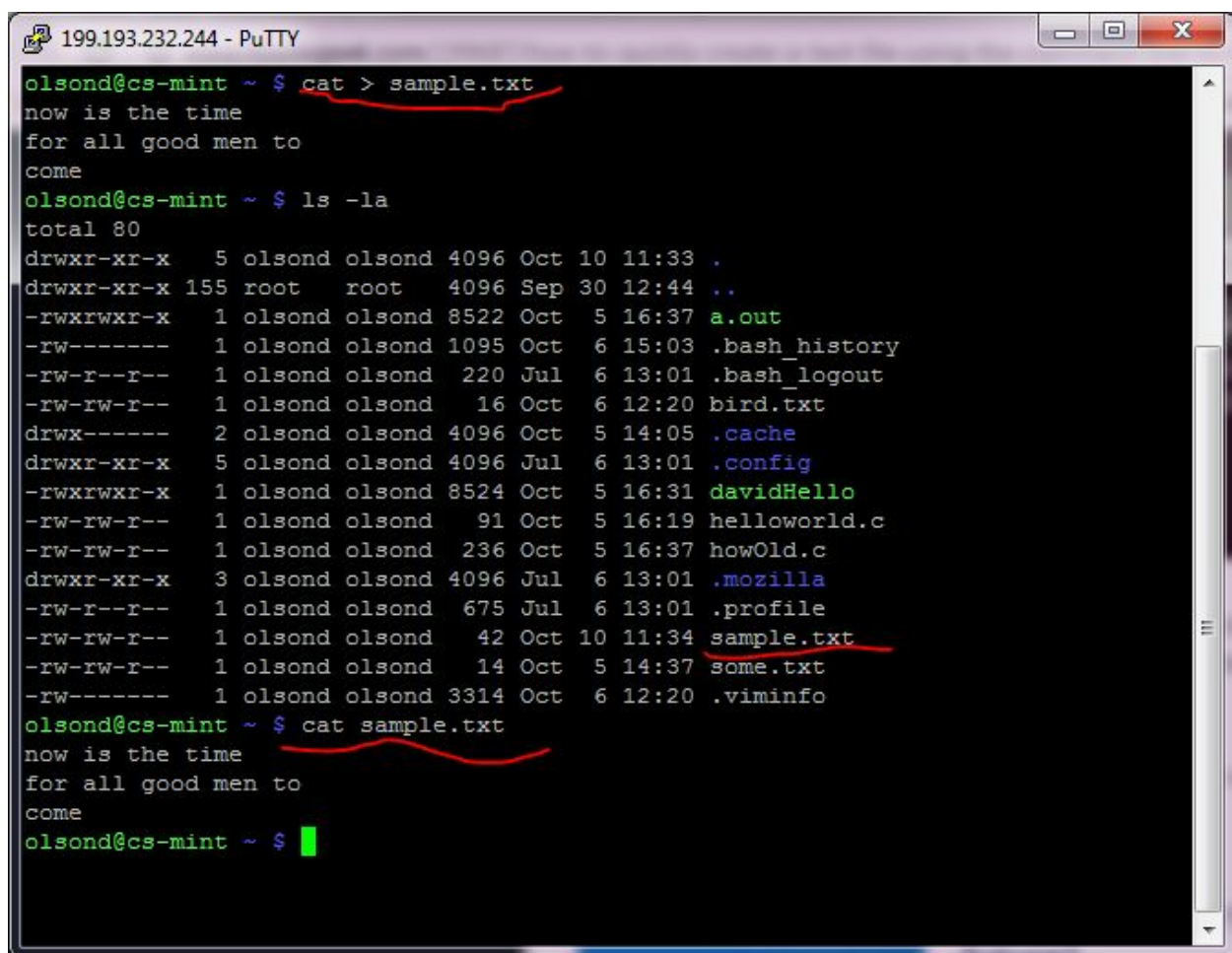
III. Basic User Commands

This site shows you how to use the basic commands. You should play with them and become familiar *with them*.

Basic Linux Commands

Note: Some of the basic user commands require a file. Here is an example of how to create a text file.

First Red underline The cat command (concatenate) allows you to print out the contents of a file. In this example it is used to add what is typed at the keyboard to a new file. The > redirects the information into the new file. You can hit the enter key to create a second line. When you are done type CTRL-D to end the file. (CTRL-D is holding down the Ctrl key and the D key at the same time.)



```
199.193.232.244 - PuTTY
olsond@cs-mint ~ $ cat > sample.txt
now is the time
for all good men to
come
olsond@cs-mint ~ $ ls -la
total 80
drwxr-xr-x  5 olsond olsond 4096 Oct 10 11:33 .
drwxr-xr-x 155 root   root   4096 Sep 30 12:44 ..
-rwxrwxr-x  1 olsond olsond 8522 Oct  5 16:37 a.out
-rw-----  1 olsond olsond 1095 Oct  6 15:03 .bash_history
-rw-r--r--  1 olsond olsond  220 Jul  6 13:01 .bash_logout
-rw-rw-r--  1 olsond olsond   16 Oct  6 12:20 bird.txt
drwx-----  2 olsond olsond 4096 Oct  5 14:05 .cache
drwxr-xr-x  5 olsond olsond 4096 Jul  6 13:01 .config
-rwxrwxr-x  1 olsond olsond 8524 Oct  5 16:31 davidHello
-rw-rw-r--  1 olsond olsond   91 Oct  5 16:19 helloworld.c
-rw-rw-r--  1 olsond olsond  236 Oct  5 16:37 howOld.c
drwxr-xr-x  3 olsond olsond 4096 Jul  6 13:01 .mozilla
-rw-r--r--  1 olsond olsond  675 Jul  6 13:01 .profile
-rw-rw-r--  1 olsond olsond   42 Oct 10 11:34 sample.txt
-rw-rw-r--  1 olsond olsond   14 Oct  5 14:37 some.txt
-rw-----  1 olsond olsond 3314 Oct  6 12:20 .viminfo
olsond@cs-mint ~ $ cat sample.txt
now is the time
for all good men to
come
olsond@cs-mint ~ $
```

Second red underline. Show that sample.txt is now in the directory

Third red underline Uses cat command to type out the content of the file.

IV. Cooler Unix Commands

[Fun with Linux Commands](#)

V. Hand-in

Although you should know all of the commands in both sections above. Please demonstrate eight of the Basic User Commands and three of the cooler commands

- For each of the commands open a new putty window.
 - Execute the command
 - Execute the command with at least one option
1. In a document set the command as a heading.
 2. Write a brief description of the command.
 3. Cut and paste the contents of the putty window (Use the Snipping Tool).
 4. Bold the actual line where the command was typed.
 5. *The command window should show your login name etc.*

VI. Example

ls

Definition

ls gives the contents of the current directory

Example Run

login as: csuser1

csuser1@199.193.232.243's password:

Welcome to Linux Mint 17.2 Rafaela (GNU/Linux 3.16.0-38-generic x86_64)

Welcome to Linux Mint

* Documentation: <http://www.linuxmint.com>

Last login: Sun Oct 18 16:36:49 2015 from c-73-37-97-94.hsd1.or.comcast.net

csuser1@csmint ~ \$ ls *Note bolding of the line where command was run.*

Desktop Documents Downloads Music Pictures Public Templates Videos

csuser1@csmint ~ \$ ls -la

total 124

drwxr-xr-x 19 csuser1 csuser1 4096 Oct 16 15:03 .

drwxr-xr-x 34 root root 4096 Oct 16 15:28 ..

-rw----- 1 csuser1 csuser1 94 Oct 18 16:38 .bash_history

-rw-r--r-- 1 csuser1 csuser1 220 Oct 16 12:03 .bash_logout

drwx----- 4 csuser1 csuser1 4096 Oct 16 13:40 .cache

drwxr-xr-x 10 csuser1 csuser1 4096 Oct 16 13:22 .config

drwx----- 3 csuser1 csuser1 4096 Oct 16 13:21 .dbus

drwxr-xr-x 2 csuser1 csuser1 4096 Oct 16 13:21 Desktop

drwxr-xr-x 2 csuser1 csuser1 4096 Oct 16 13:21 Documents

drwxr-xr-x 2 csuser1 csuser1 4096 Oct 16 13:21 Downloads

drwx----- 3 csuser1 csuser1 4096 Oct 16 15:03 .gconf

drwx----- 2 csuser1 csuser1 4096 Oct 16 13:21 .gvfs

-rw----- 1 csuser1 csuser1 1590 Oct 16 15:03 .ICEauthority

drwxrwxr-x 3 csuser1 csuser1 4096 Oct 16 13:21 .linuxmint

drwxr-xr-x 3 csuser1 csuser1 4096 Oct 16 13:21 .local

drwxr-xr-x 3 csuser1 csuser1 4096 Oct 16 12:03 .mozilla

drwxr-xr-x 2 csuser1 csuser1 4096 Oct 16 13:21 Music

drwxr-xr-x 2 csuser1 csuser1 4096 Oct 16 13:21 Pictures

-rw-r--r-- 1 csuser1 csuser1 675 Oct 16 12:03 .profile

drwxr-xr-x 2 csuser1 csuser1 4096 Oct 16 13:21 Public

drwxr-xr-x 2 csuser1 csuser1 4096 Oct 16 13:21 Templates

drwxr-xr-x 2 csuser1 csuser1 4096 Oct 16 13:21 Videos

drwx----- 2 csuser1 csuser1 4096 Oct 16 13:17 .vnc

-rw----- 1 csuser1 csuser1 26199 Oct 16 15:08 .xsession-errors

csuser1@csmint ~ \$ 99.193.232.243

user

7. Other Linux Commands to check out

write

man

nano *is an editor*