Week03 Lab2 Sobell Ch04 File System & chmod

By Jack Jones

For cs3377.0w1

Due 2/04/22

login as: joj210003

Pre-authentication banner message from server:

| University of Texas at Dallas

| Department of Computer Science

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| Use of UTD Information Systems is subject to

| the UTD Information Security and Acceptable Use Policy.

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| Pursuant to Texas Administrative Code 202:

| (1) Unauthorized use is prohibited;

| (2) Usage may be subject to security testing and monitoring;

| (3) Misuse is subject to criminal prosecution; and

| (4) No expectation of privacy except as otherwise provided by applicable

| privacy laws.

|

| ATTENTION: utdnetid != utdnetid@utdallas.edu (UTD != Google!)

|

| Just use utdnetid, and for the love of programming, STOP USING ALL CAPS!

|

| [[NOTE: All CS Graduate Students should use csgrads1.utdallas.edu ]]

| [[ If you are a CS Graduate Student, you cannot logon to this server.]]

|

|

| \*\*\*\*\* This system will require a connection to the GlobalProtect VPN startin

> g

| on the following dates:

|

| cslinux1.utdallas.edu - June 15, 2020

| cslinux2.utdallas.edu - June 22, 2020

|

| \*\*\*\*\* GlobalProtect VPN Instructions: https://www.utdallas.edu/oit/howto/vpn

> /

|

End of banner message from server

Keyboard-interactive authentication prompts from server:

End of keyboard-interactive prompts from server

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│ • MobaXterm Personal Edition v21.5 • │

│ (SSH client, X server and network tools) │

│ │

│ → SSH session to joj210003@cslinux1.utdallas.edu │

│ • Direct SSH : v │

│ • SSH compression : v │

│ • SSH-browser : v │

│ • X11-forwarding : v (remote display is forwarded through SSH) │

│ │

│ → For more info, ctrl+click on help or visit our website. │

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Last login: Fri Feb 4 10:57:18 2022 from utdvpn-10-50-124-113.utdallas.edu

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csgrads1.utdallas.edu - CentOS Linux 7.9

--All CS Graduate Students should use csgrads1--

cs1.utdallas.edu - CentOS Linux 7.9

cs2.utdallas.edu - CentOS Linux 7.9

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This system is for use by CS students who need a general purpose Linux system

to complete homework assignments. Computationally or resource intensive

simulations will be throttled automatically.

Thank you,

CS Lab Manager

cs-labs@utdallas.edu

/scratch disk space can be used for temporary files.

All files within /scratch will be erased on a regular basis (Sunday 0300).

Chapter 4 Lab 1

Part 1 cd and pwd utility

{cslinux1:~} cd

{cslinux1:~} pwd

/home/013/j/jo/joj210003

The name of my home directory is joj210003

Part 2 mkdir utility

{cslinux1:~} mkdir two

{cslinux1:~} file two

two: directory

Part 3 Make two the working directory

{cslinux1:~} cd two

{cslinux1:~/two} pwd

/home/013/j/jo/joj210003/two

Part 4 Make file named fox

{cslinux1:~/two} vim fox

{cslinux1:~/two} ls

Fox

Part 5 Contents of two with absolute pathname

{cslinux1:~/two} ls /home/013/j/jo/joj210003/two

Fox

Part 6 Contents of two with relative path name

{cslinux1:~/two} cd

{cslinux1:~} pwd

/home/013/j/jo/joj210003

{cslinux1:~} ls two

Fox

Part 7 Remove directory two

{cslinux1:~} rmdir two

rmdir: failed to remove ‘two’: Directory not empty

{cslinux1:~} rm two/fox

rm: remove regular file ‘two/fox’? y

{cslinux1:~} rmdir two

Chapter 4 Lab 2

Part 1 make dog file with touch

{cslinux1:~} touch dog

{cslinux1:~} ls

days dog hello hello.c new\_name perl5 public\_html testo

Part 2 display permissions of dog file

{cslinux1:~} ls -l dog

-rw------- 1 joj210003 sn 0 Feb 4 15:43 dog

I own the file. It belongs to group sn. The owner can read and write. The group has no permissions. Others have no permissions.

Part 3 display permissions of /bin/bash

{cslinux1:~} ls -l /bin/bash

-rwxr-xr-x 1 root root 964536 Nov 24 10:33 /bin/bash

root owns the file. It belongs to group root. The owner can read, write, and execute. The group can execute and read. Others can execute. Since my home directory is a subset of the root directory therefore I have group permissions

Part 4 change permissions of dog

{cslinux1:~} ls -l dog

-rw------- 1 joj210003 sn 0 Feb 4 15:43 dog

{cslinux1:~} chmod 600 dog

{cslinux1:~} ls -l dog

-rw------- 1 joj210003 sn 0 Feb 4 15:43 dog

{cslinux1:~} chmod 444 dog

{cslinux1:~} ls -l dog

-r--r--r-- 1 joj210003 sn 0 Feb 4 15:43 dog

{cslinux1:~} exit

logout

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Session stopped

- Press <return> to exit tab

- Press R to restart session

- Press S to save terminal output to file