

UNIX / BSD / Linux Cheatsheet

Use ssh to connect and login to the CS server

1. open a terminal (command line)
2. ssh yourusername@cs.csis.work
3. enter your password (it will not be displayed on screen)

Alternately, you may use a GUI ssh client instead of the terminal client.
Bitvise and Putty GUI ssh clients are installed on the classroom and lab PCs.

Logout of the ssh session and disconnect

Type “exit” and hit <ENTER> to logout and close the ssh session

Directory (folder) commands

Change to directory	<code>cd <i>dirname</i></code>
Goto home directory	<code>cd</code>
Make a new directory	<code>mkdir <i>dirname</i></code>
Remove a directory	<code>rmdir <i>dirname</i></code>
Move a directory	<code>mv <i>olddirname newdirname</i></code>
Rename a directory	<code>mv <i>olddirname newdirname</i></code>

File commands

Copy a file	<code>cp <i>filename newfilename</i></code>
Delete a file	<code>rm <i>filename</i></code>
Move a file	<code>mv <i>oldfilename newfilename</i></code>
Rename a file	<code>mv <i>oldfilename newfilename</i></code>
Display folder contents	<code>ls</code>

Compile a C program

Compile to a.out	<code>cc <i>sourcename.c</i></code>
Compile to name	<code>cc -o <i>name sourcename.c</i></code>
Compile with warnings	<code>cc -Wall <i>sourcename.c</i></code>

Compile a C++ program

Same as C except use “c++” instead of “cc” and use *sourcename.cpp*

Use the Vim text editor – see separate Vim cheatsheet

User and Programmer’s documentation (man pages)

Viewing a man page	<code>man <i>topic</i></code> Use PgUp and PgDn or the arrow keys to navigate Type “q” to quit the man page
Searching for man pages	<code>apropos <i>topic</i></code>

Terminal multiplexer – “tmux”, see *tmux(1)* for more information

Anytime you see a word followed by a number in parentheses, this is a reference to a man page.
For example, in CS 440 will use the C code style described in *style(9)* for all our programs.
Type “man style” to view this man page.