

Carlos Agudo
February 4th

Assignment 0206

1- Screenshot of my successful connection to the remote service via the tunnel.

Command(s) used to perform the task:

In the kecklab machine after connecting through ssh

```
$ python -m SimpleHTTPServer 8090
```

In my mac machine after logging out of the keck

```
$ ssh -L 9000:localhost:8090 cagudo@my.cs.lmu.edu
```

Then used localhost:9000 in a browser



Directory listing for /

- <.adobe/>
- .bash_history
- .bash_logout
- <.bashrc>
- <.cache/>
- <.config/>
- <.dbus/>
- <.dmrc>
- <.emacs.d/>
- .esd_auth
- <.evolution/>
- <.gconf/>
- <.gconfd/>
- <.gnome2/>
- .gnome2_private/
- <.gstreamer-0.10/>
- <.gtk-bookmarks>
- <.gvfs/>
- <.ICEauthority>
- <.imsettings.log>
- <.local/>
- <.macromedia/>
- <.mission-control/>
- <.mozilla/>
- <.nv/>
- <.openoffice.org/>

2- Submit screenshots of your long-running command before you logged out, then after you reconnected to it.

Command(s) used to perform the task:

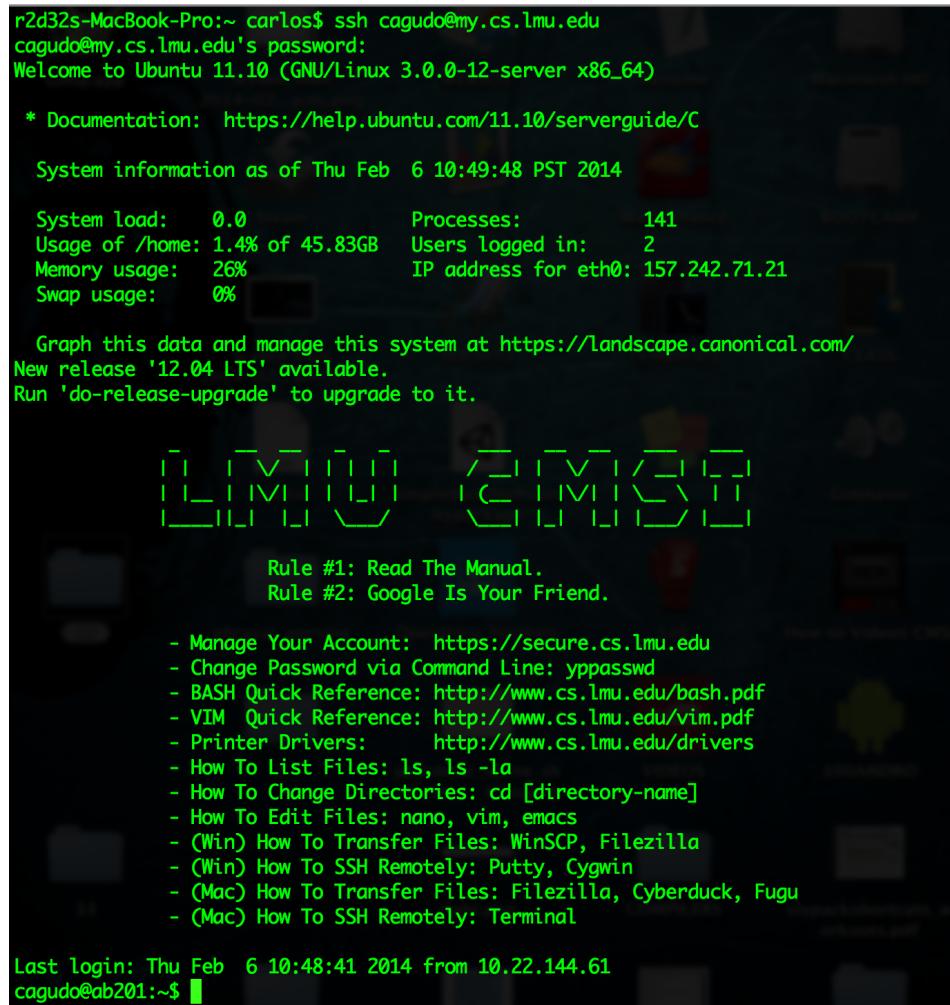
In the kecklab machine after connecting through ssh start a python server

```
$ python -m SimpleHTTPServer 8090
```

```
$ screen
```

then logout and ssh back to the machine

```
$ screen -r
```



r2d32s-MacBook-Pro:~ carlos\$ ssh cagudo@my.cs.lmu.edu
cagudo@my.cs.lmu.edu's password:
Welcome to Ubuntu 11.10 (GNU/Linux 3.0.0-12-server x86_64)

* Documentation: <https://help.ubuntu.com/11.10/serverguide/>

System information as of Thu Feb 6 10:49:48 PST 2014

System load: 0.0 Processes: 141
Usage of /home: 1.4% of 45.83GB Users logged in: 2
Memory usage: 26% IP address for eth0: 157.242.71.21
Swap usage: 0%

Graph this data and manage this system at <https://landscape.canonical.com/>
New release '12.04 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

[A large vim logo consisting of a grid of characters resembling brackets and underscores.]

Rule #1: Read The Manual.
Rule #2: Google Is Your Friend.

- Manage Your Account: <https://secure.cs.lmu.edu>
- Change Password via Command Line: [yppasswd](#)
- BASH Quick Reference: <http://www.cs.lmu.edu/bash.pdf>
- VIM Quick Reference: <http://www.cs.lmu.edu/vim.pdf>
- Printer Drivers: <http://www.cs.lmu.edu/drivers>
- How To List Files: ls, ls -la
- How To Change Directories: cd [directory-name]
- How To Edit Files: nano, vim, emacs
- (Win) How To Transfer Files: WinSCP, Filezilla
- (Win) How To SSH Remotely: Putty, Cygwin
- (Mac) How To Transfer Files: Filezilla, Cyberduck, Fugu
- (Mac) How To SSH Remotely: Terminal

Last login: Thu Feb 6 10:48:41 2014 from 10.22.144.61
cagudo@ab201:~\$

```
Screen version 4.00.03jw4 (FAU) 2-May-06
Copyright (c) 1993-2002 Juergen Weigert, Michael Schroeder
Copyright (c) 1987 Oliver Laumann

This program is free software; you can redistribute it and/or modify it under the
terms of the GNU General Public License as published by the Free Software
Foundation; either version 2, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY
WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A
PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this
program (see the file COPYING); if not, write to the Free Software Foundation,
Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Send bugreports, fixes, enhancements, t-shirts, money, beer & pizza to
screen@uni-erlangen.de

To use byobu (formerly screen-profiles), exit screen and run 'byobu'.
```

```
cagudo@ab201:~$ python -m SimpleHTTPServer 8090
Serving HTTP on 0.0.0.0 port 8090 ...
```

```
Last login: Thu Feb  6 10:48:41 2014 from 10.22.144.61
cagudo@ab201:~$ sreen
No command 'sreen' found, did you mean:
 Command 'screen' from package 'screen' (main)
sreen: command not found
cagudo@ab201:~$ screen
[detached from 29004.pts-3.ab201]
cagudo@ab201:~$ logout
Connection to my.cs.lmu.edu closed.
r2d32s-MacBook-Pro:~ carlos$
```

```
Last login: Thu Feb  6 10:49:48 2014 from 10.22.144.61
cagudo@ab201:~$ screen -r
[detached from 29004.pts-3.ab201]
cagudo@ab201:~$
```

3.1- Which first-level subdirectory in ~ is taking up the most space?

Command(s) used to perform the task:

```
$ du -d 1 -h
```

JD: This lists disk usage, yes, but does not tell you which is taking up the most space. You need a few more commands/options for that. Remember, the goal is to get to the desired answer with a minimum of manual labor.

```
r2d32s-MacBook-Pro:~ carlos$ du -d 1 -h
4.0K    ./adobe
64M     ./cache
172K    ./config
4.0K    ./cups
52K     ./dia-etc
8.0K    ./DownloadManager
7.1M    ./dropbox
84K     ./filezilla
5.9M    ./fontconfig
1.6M    ./fonts
0B      ./gem
0B      ./git-credential-cache
4.0K    ./idlerc
4.0K    ./JavaHelp
11M    ./lein
308K   ./local
49M    ./m2
4.0K    ./mplayer
192K   ./realobjects
12K    ./ssh
980K   ./swt
0B      ./thumbnails
4.7G    ./Trash
81M    ./Applications
12K    ./bin
40M    ./Calibre Library
5.1G    ./Desktop
166M   ./Documents
6.3G    ./Downloads
798M   ./Dropbox
584K   ./groupworld_data
2.8M    ./headmaster
0B      ./headmasterdb
12G    ./Library
1.7G    ./Movies
160M   ./Music
3.0M    ./My Games
836K   ./New Unity Project
552K   ./New Unity Project 1
936K   ./New Unity Project 2
6.1M    ./New Unity Project 3
2.8M    ./osx-gcc-installer
288M   ./Pictures
5.4M    ./Public
```

3.2-Submit a command that displays only the disk usage of directories matching some regular expression.

Command(s) used to perform the task:

```
$ du -d 1 -h | grep "m"
```

```
r2d32s-MacBook-Pro:~ carlos$ du -d 1 -h | grep "m"
0B      ./gem
49M    ./m2
4.0K   ./mplayer
0B      ./thumbnails
166M   ./Documents
2.8M    ./headmaster
0B      ./headmasterdb
3.0M   ./My Games
5.4M    ./smil
r2d32s-MacBook-Pro:~ carlos$
```

4- Submit the output of *ls -i* both right after you created the file and after each file move.

Command(s) used to perform the task:

after ssh into kecklab

```
$ touch test0.txt  
$ ls -i  
$ mv test0.txt Documents/  
$ cd Documents/ && ls -i  
$ mv test0.txt /tmp/  
$ cd /tmp/ && ls -i  
$ mv test0.txt ~  
$ cd ~ && ls -i  
$ ls -i | grep test0.txt
```

```
Last login: Tue Feb 4 22:47:11 2014 from cpe-76-170-153-29.socal.res.rr.com  
cagudo@ab201:~$ touch test0.txt  
cagudo@ab201:~$ ls -i  
395402 Desktop 393836 Public 395919 df.c 395596 hello.s 395924 regex-real.pl~  
395400 Documents 393540 Templates 395617 df.s 395902 helloworld.s 395624 regex.pl  
395445 Downloads 394694 Videos 395915 fib.s 395918 pgcd.s 395914 repos  
393831 Music 395401 a.out 395920 gcd.s 393832 public_html 396016 test0.txt  
393541 Pictures 395916 callgcd.c 393689 hello.o 395922 regex-real.pl  
cagudo@ab201:~$ mv test0.txt Documents/  
cagudo@ab201:~$ cd Documents/ && ls -i  
396016 test0.txt  
cagudo@ab201:~/Documents$ mv test0.txt /tmp/  
cagudo@ab201:~/Documents$ cd /tmp/ && ls -i  
1973083 hsperfdata_aalzaidi1 1972688 hsperfdata_kmeilak 2102618 hsperfdata_waverill  
2102619 hsperfdata_aruiz25 1972278 hsperfdata_ksherbin 1972760 libevent-2.0.21-stable  
1972684 hsperfdata_avreelan 1972687 hsperfdata_lhunt6 1972758 libevent-2.0.21-stable.tar.gz  
2102620 hsperfdata_cbillin3 1972432 hsperfdata_mmalefyt 1972759 ncurses-5.9.tar.gz  
1972276 hsperfdata_dondi 1972360 hsperfdata_mpetredi 2102622 ssh-cvJGD29027  
1972357 hsperfdata_gleis 1972358 hsperfdata_pdorin 1973124 test0.txt  
1972361 hsperfdata_hdelgadi 1972277 hsperfdata_slouie4 1973019 test1.txt  
1972692 hsperfdata_jpiatos 1972689 hsperfdata_tbramant 1972757 tmux-1.8.tar.gz  
1972691 hsperfdata_kgosch 1972433 hsperfdata_tvilgalv 2102537 tmux-1261  
1972686 hsperfdata_kmcgee3 1972685 hsperfdata_vkuehn 2102624 update-manager-xM7bh8  
cagudo@ab201:/tmp$ mv test0.txt ~  
cagudo@ab201:/tmp$ cd ~ && ls -i  
395402 Desktop 393836 Public 395919 df.c 395596 hello.s 395924 regex-real.pl~  
395400 Documents 393540 Templates 395617 df.s 395902 helloworld.s 395624 regex.pl  
395445 Downloads 394694 Videos 395915 fib.s 395918 pgcd.s 395914 repos  
393831 Music 395401 a.out 395920 gcd.s 393832 public_html 396016 test0.txt  
393541 Pictures 395916 callgcd.c 393689 hello.o 395922 regex-real.pl  
cagudo@ab201:~$ ls -i | grep test0.txt  
396016 test0.txt  
cagudo@ab201:~$
```

5- Submit the output provided by the command

Command(s) used to perform the task:

```
$ mount  
$ diskutil info /dev/disk2s1
```

```
r2d32s-MacBook-Pro:~ carlos$ mount  
/dev/disk0s2 on / (hfs, local, journaled)  
devfs on /dev (devfs, local, nobrowse)  
/dev/disk0s4 on /Volumes/BOOTCAMP (ntfs, local, read-only, noowners)  
map -hosts on /net (autofs, nosuid, automounted, nobrowse)  
map auto_home on /home (autofs, automounted, nobrowse)  
/dev/disk2s1 on /Volumes/WININSTALL (msdos, local, nodev, nosuid, noowners)  
r2d32s-MacBook-Pro:~ carlos$ diskutil info /dev/disk2s1  
Device Identifier: disk2s1  
Device Node: /dev/disk2s1  
Part of Whole: disk2  
Device / Media Name: Untitled 1  
  
Volume Name: WININSTALL  
Escaped with Unicode: WININSTALL  
  
Mounted: Yes  
Mount Point: /Volumes/WININSTALL  
Escaped with Unicode: /Volumes/WININSTALL  
  
File System Personality: MS-DOS FAT32  
Type (Bundle): msdos  
Name (User Visible): MS-DOS (FAT32)  
  
Partition Type: DOS_FAT_32  
OS Can Be Installed: No  
Media Type: Generic  
Protocol: USB  
SMART Status: Not Supported  
  
Total Size: 7.7 GB (7742684160 Bytes) (exactly 15122430 512-Byte-Blocks)  
Volume Free Space: 4.4 GB (4357558272 Bytes) (exactly 8510856 512-Byte-Blocks)  
Device Block Size: 512 Bytes  
  
Read-Only Media: No  
Read-Only Volume: No  
Ejectable: Yes  
  
Whole: No  
Internal: No  
  
r2d32s-MacBook-Pro:~ carlos$
```