

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

```
cagudo@ab201:~$ python -m SimpleHTTPServer 8090
Serving HTTP on 0.0.0.0 port 8090 ...
localhost - - [04/Feb/2014 22:33:27] "GET / HTTP/1.1" 200 -
localhost - - [04/Feb/2014 22:33:30] code 404, message File not found
localhost - - [04/Feb/2014 22:33:30] "GET /favicon.ico HTTP/1.1" 404 -

r2d32s-MacBook-Pro:cmsi387 carlos$ ssh -L 9000:localhost:8090 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/C

System information as of Tue Feb  4 22:32:13 PST 2014

System load:   0.0                Processes:      151
Usage of /home: 1.4% of 45.83GB   Users logged in: 6
Memory usage:   26%              IP address for eth0: 157.242.71.21
Swap usage:     0%

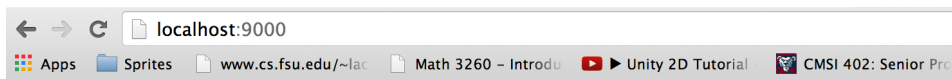
Graph this data and manage this system at https://landscape.canonical.com/
New release '12.04 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

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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: Tue Feb  4 22:22:25 2014 from cpe-76-170-153-29.socal.res.rr.com
cagudo@ab201:~$
```



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/](#)

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/C

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.
```

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

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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
```

```
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  ../.idlcrc
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  ../sml
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_aalzaid1 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_tvilgaly 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$
```