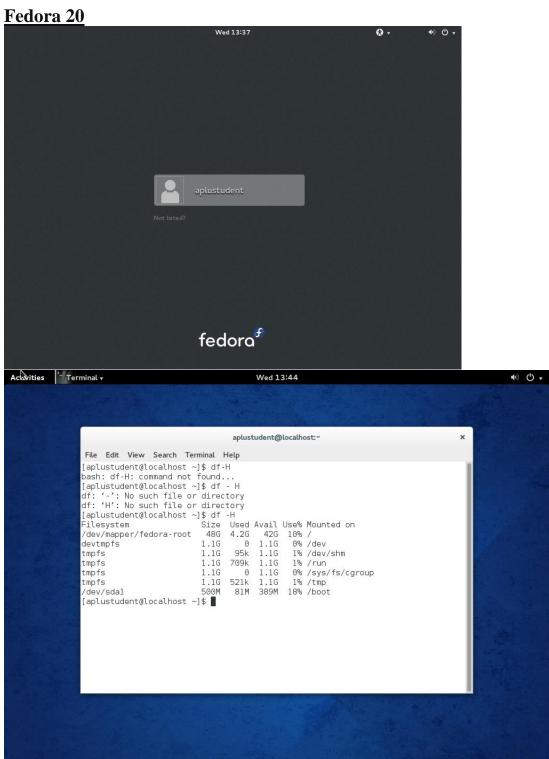
Lab Week 2

Student Name Hong Zhang

2/24/2015 **Due Date**

Part 1

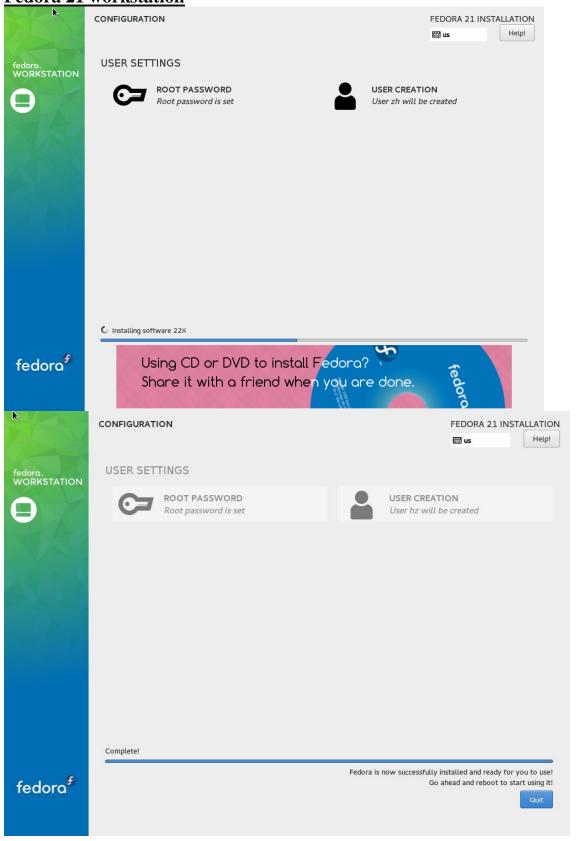


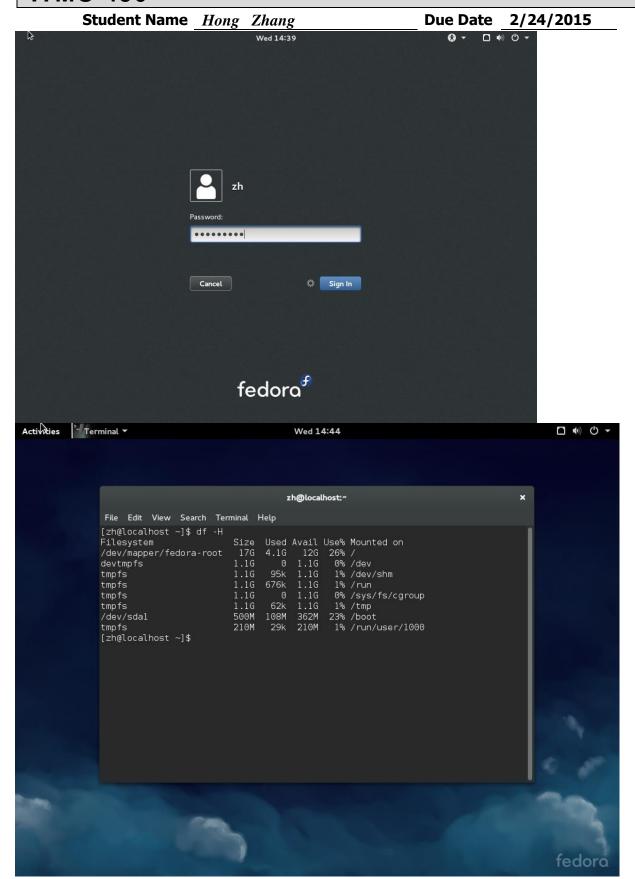
Lab Week 2

Student Name Hong Zhang

Due Date 2/24/2015

Fedora 21 workstation



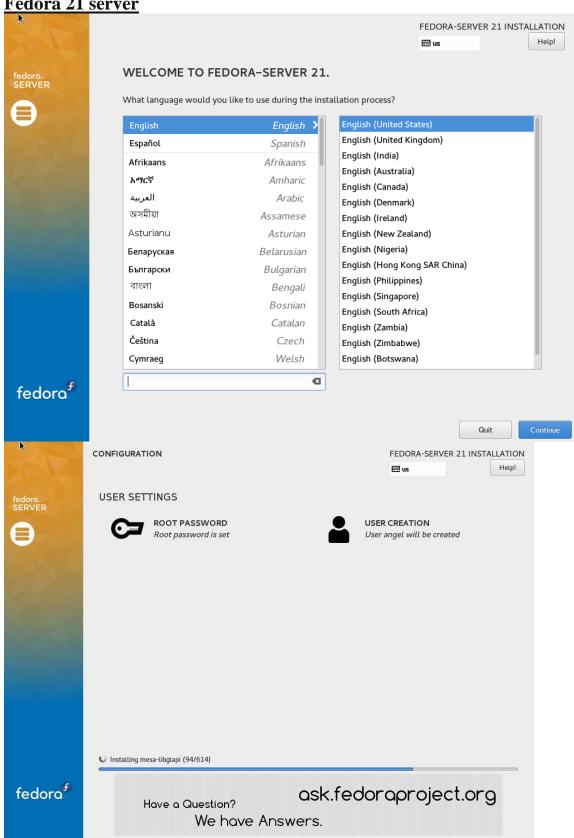


Lab Week 2

Student Name Hong Zhang

2/24/2015 **Due Date**

Fedora 21 server



Lab Week 2

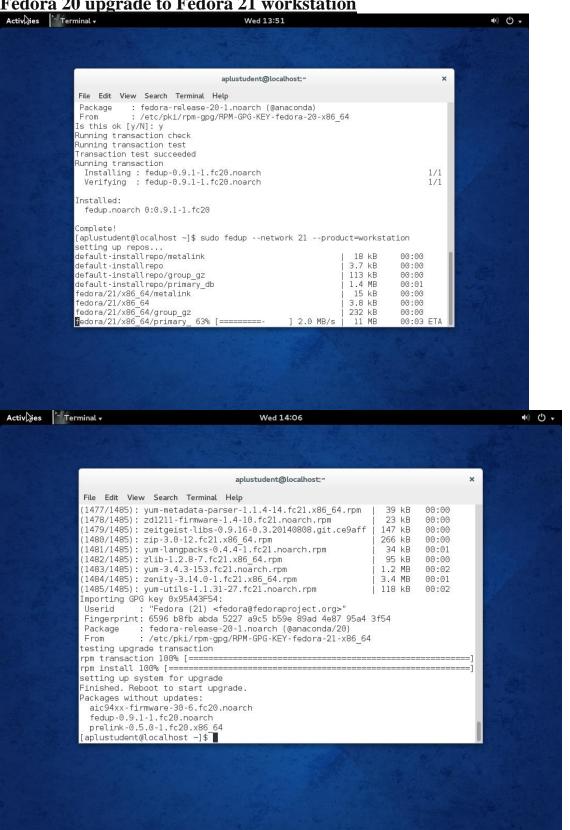
Due Date 2/24/2015 **Student Name** *Hong Zhang* CONFIGURATION FEDORA-SERVER 21 INSTALLATION Help! us us **USER SETTINGS** fedora. SERVER ROOT PASSWORD USER CREATION Root password is set User angel will be created Complete! Fedora-Server is now successfully installed and ready for you to use! fedora Go ahead and reboot to start using it! Fedora release 21 (Twenty One) Kernel 3.17.4-301.fc21.x86_64 on an x86_64 (tty1) localhost login: angel Password: Last login: Wed Jan 28 15:39:19 on tty1 [angel@localhost ~1\$ df -H Filesystem Size Used Avail Use: Mounted on /dev/mapper/fedora--server-root 15G 8% / 17G 1.2G 1.1G 0% /dev devtmpfs 0 1.1G 0 1.1G tmpfs 1.1G 0% /dev/shm tmpfs 1.1G 1.1G 336k 1% /run tmpfs 1.1G 0 1.1G 0% /sys/fs/cgroup 1% /tmp tmpfs 1.1G 4.1k 1.1G /dev/sda1 94M 375M 21% /boot 500M tmpfs 210M 0 210M 0% /run/user/1000 [angel@localhost ~1\$ _

Lab Week 2

Student Name *Hong Zhang*

Due Date 2/24/2015

Fedora 20 upgrade to Fedora 21 workstation



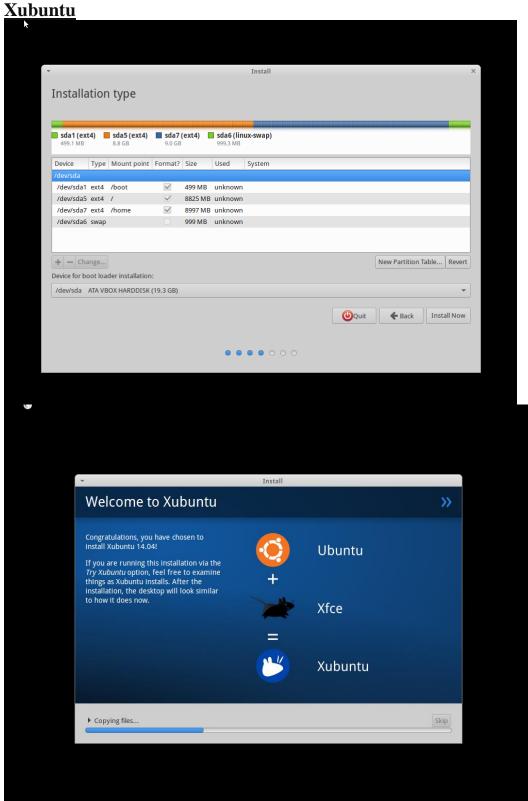
```
Student Name Hong Zhang
                                                                       Due Date 2/24/2015
           Started Tell Plymouth To Write Out Runtime Data.
         1 Started Trigger Flushing of Journal to Persistent Storage.
1 Started Recreate Volatile Files and Directories.
            Starting Update UTMP about System Reboot/Shutdown...
         1 Found device /dev/mapper/fedora-swap.
            Activating swap /dev/mapper/fedora-swap...
         1 Started Update UTMP about System Reboot/Shutdown.
        1 Activated swap /dev/mapper/fedora-swap.
        1 Reached target Swap.
1 Reached target System Initialization.
         Starting Prepare Upgrade Image...
1 Started Prepare Upgrade Image.
   OK 1 Reached target System Upgrade.
    23.895149] upgrade-prep.sh[753]: moving mounts into /system-upgrade-root 24.004810] upgrade-prep.sh[753]: moved /boot 24.012161] upgrade-prep.sh[753]: upgrade prep complete, switching root...
Welcome to fedup-dracut-0.9.0!
     26.3808571 upgrade-pre[883]: starting upgrade-pre hook
     26.6894691 upgrade[889]: starting upgrade hook
     26.802785] upgrade[889]: preparing for upgrade...
26.814806] upgrade[889]: found 1485 packages to install
     26.8168381 upgrade[889]: building RPM transaction, one moment...
 Activities - Terminal -
                                                  Mon 16:36
                                                                                                 □ • 0 -
                                     aplustudent@localhost:~
       File Edit View Search Terminal Help
       [aplustudent@localhost ~]$ df -H
                               Size Used Avail Use% Mounted on
                                          41G 11% /
1.1G 0% /dev
       /dev/mapper/fedora-root
                               48G 4.9G
       devtmpfs
       tmpfs
       tmpfs
                                                0% /sys/fs/cgroup
1% /tmp
                               1.1G
1.1G
       tmpfs
       tmpfs
                               500M 109M
                                          361M 24% /boot
       /dev/sdal
                                                 1% /run/user/1000
                               210M
                                          210M
       [aplustudent@localhost ~]$
                                                                                                 fedora
```

Lab Week 2

Student Name Hong Zhang

2/24/2015 **Due Date**

Part II



Student Name <u>Hong Zhang</u> 2/24/2015 **Due Date** Installation Complete Installation is complete. You need to restart the computer in order to use the new installation. Restart Now Software Updater Terminal - angel@angel-Vir. 1 (n) 29 Jan, 16:14 File Edit View Terminal Tabs Help

angel@angel-VirtualBox:-\$ df -H

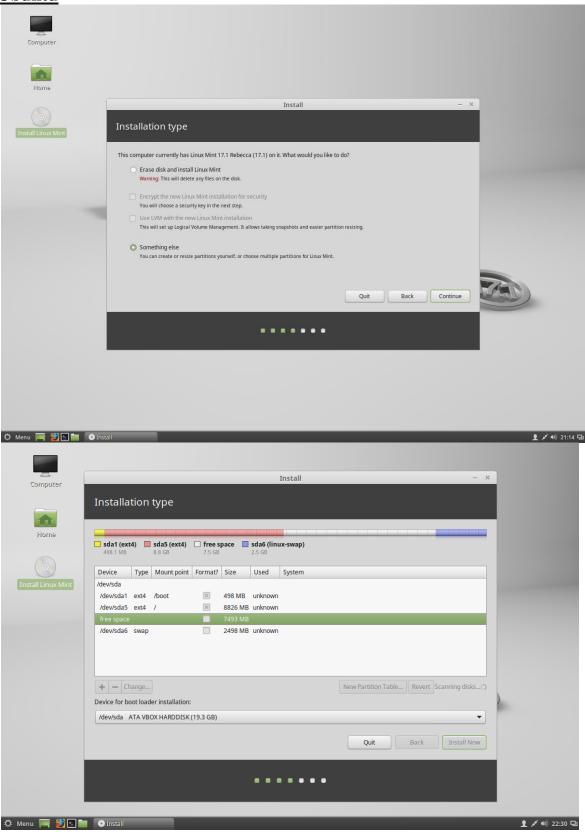
Filesystem Size Used Avail Use% Mounted on
/dev/sda5 8.66 2.96 5.36 36% /
none 4.1k 0 4.1k 0% /sys/fs/cgroup
udev 1.16 4.1k 1.16 1% /dev
tmpfs 212M 857k 211M 1% /run
none 5.3M 0 5.3M 0% /run/lock
none 1.16 87k 1.16 1% /run/shm
none 1.16 87k 1.16 1% /run/user
/dev/sda1 475M 36M 410M 9% /boot
/dev/sda7 8.86 21M 8.36 1% /home
angel@angel-VirtualBox:-\$

Lab Week 2

Student Name Hong Zhang

Due Date 2/24/2015

Mint Ubuntu



Lab Week 2

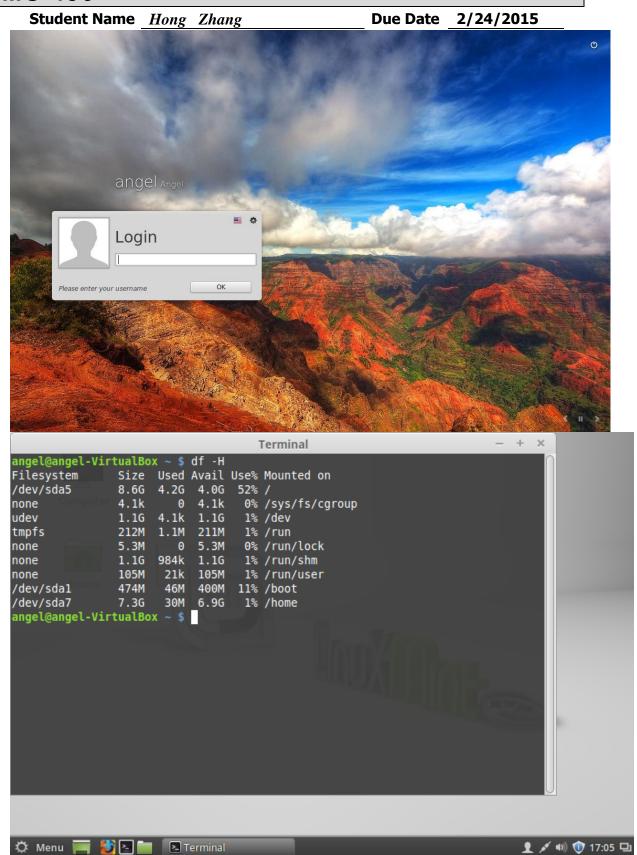
Student Name Hong Zhang

Menu 🧮 🎒 🔁 🛅 🕟 Installation Complete

Due Date 2/24/2015



👤 💉 🕪 16:57 🖳

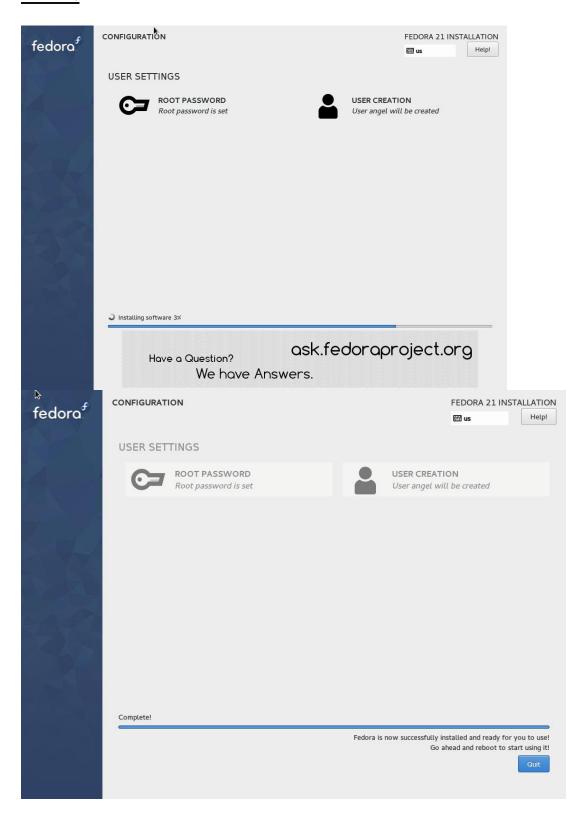


Lab Week 2

Student Name Hong Zhang

Due Date 2/24/2015

Any 2 of the Fedora 21 spins LXDE:



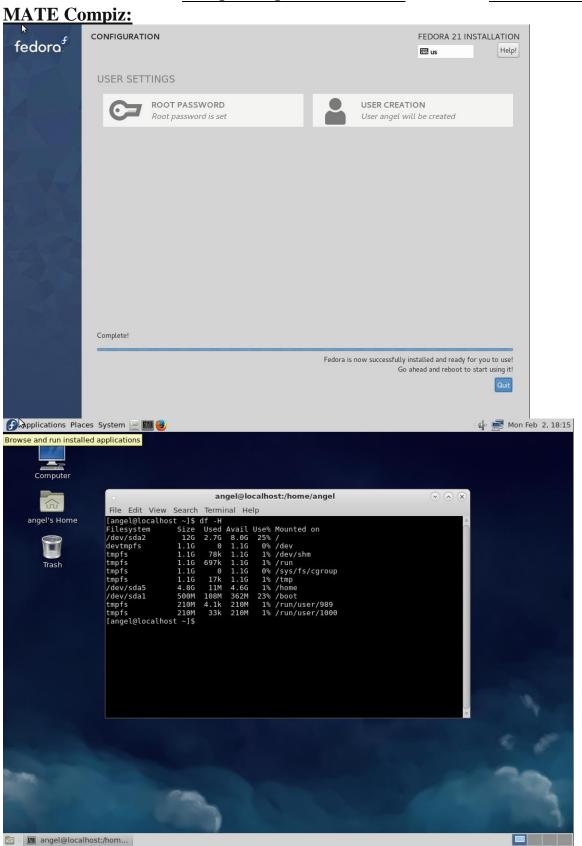
Student Name <u>Hong Zhang</u> 2/24/2015 **Due Date** Thu 29 Jan 2015 05:00:04 PM CST Login: Language: Default angel@localhost:/home/angel File Edit Tabs Help df -H
Used Avail Use% Mounted on
2.2G 8.5G 21% /
0 1.1G 0% /dev
74k 1.1G 1% /run
0 1.1G 0% /sys/fs/cgroup
13k 1.1G 1% /rum
11M 4.6G 1% /home
99M 371M 22% /boot
8.2k 212M 1% /run/user/1000
0 212M 0% /run/user/0 tmpfs 212M [angel@localhost ~]\$ 😝 🚆 📑 📕 angel@localhost:...

🚅 🌵 🖺 17:01 👰 🉌

Lab Week 2

Student Name Hong Zhang

Due Date 2/24/2015



Lab Week 2

Student Name *Hong* **Zhang**

Due Date 2/24/2015

Ubuntu Server

http://ubuntuserverguide.com/2013/02/manual-disk-partition-guide-for-ubuntu-server-edition.html

```
ubuntu-server-edition.html
                              [!!] Finish the installation
                                    Installation complete
    Installation is complete, so it is time to boot into your new system. Make sure to remove the installation media (CD-ROM, floppies), so that you boot into the new system rather than restarting the installation.
        <Go Back>
 (Tab> moves; <Space> selects; <Enter> activates buttons
  Usage of /home: 0.2% of 9.04GB
                                        Users logged in:
  Memory usage:
                                        IP address for eth0: 10.0.2.15
  Swap usage:
                     0%
  Graph this data and manage this system at:
    https://landscape.canonical.com/
102 packages can be updated.
53 updates are security updates.
The programs included with the Ubuntu system are free software:
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
angel@angel:~$ df -H
Filesystem
                  Size
                         Used Avail Use% Mounted on
                         1.2G
                                18G
                                        7% /
/dev/sda1
                   20G
none
                  4.1k
                            0
                               4.1k
                                        0% /sys/fs/cgroup
udev
                  1.1G
                         4.1k
                                1.1G
                                        1% /dev
                  210M
                                210M
tmpfs
                         402k
                                        1% /run
                  5.3M
                               5.3M
                                        0% /run/lock
none
                            0
                  1.1G
                               1.1G
                                        0% /run/shm
none
                             0
none
                  105M
                            0
                               105M
                                        0% /run/user
                  190M
/dev/sda2
                          37M
                               140M
                                       21% /boot
/dev/sda5
                  9.8G
                          22M
                                9.2G
                                        1% /home
angel@angel:~$
```

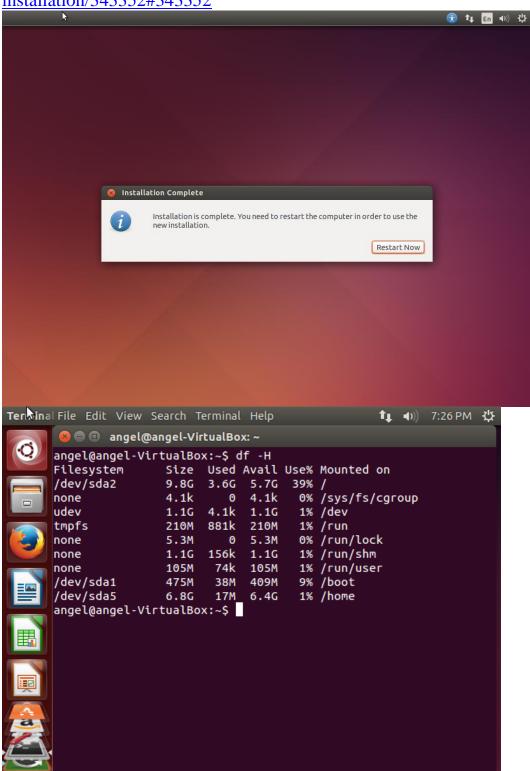
Lab Week 2

Student Name Hong Zhang

Due Date 2/24/2015

• Ubuntu Desktop 14.10

 $\frac{http://askubuntu.com/questions/343268/how-to-use-manual-partitioning-during-installation/343352\#343352}{installation/343352\#343352}$

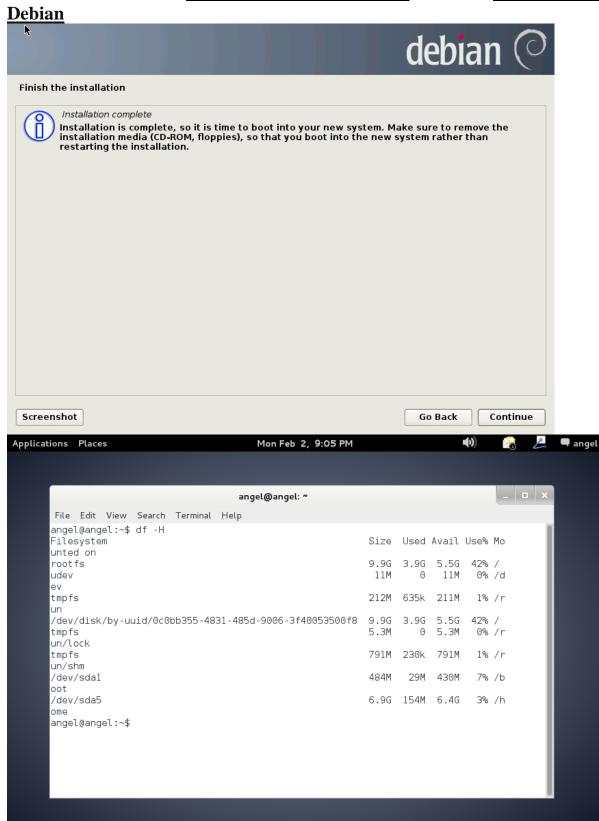


Lab Week 2

Student Name Hong Zhang

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angel@angel: ~



Student Name Hong Zhang

Due Date 2/24/2015

Part III

FreeBSD



```
FreeBSD FAQ:
                       https://www.FreeBSD.org/faq/
Questions List: https://lists.FreeBSD.org/mailman/listinfo/freebsd-guestions/
FreeBSD Forums:
                       https://forums.FreeBSD.org/
Documents installed with the system are in the /usr/local/share/doc/freebsd/
directory, or can be installed later with: pkg install en-freebsd-doc
For other languages, replace "en" with a language code like de or fr.
Show the version of FreeBSD installed: freebsd-version ; uname -a
Please include that output and any error messages when posting questions.
Introduction to manual pages: man man
FreeBSD directory layout:
                                man hier
Edit /etc/motd to change this login announcement.
In order to support national characters for European languages in tools like
less without creating other nationalisation aspects, set the environment
variable LC_ALL to 'en_US.ISO8859-1'.
hong@hong:" % df -H
Filesystem Size
                       Used
                               Avail Capacity
                                               Mounted on
/dev/ada0p2
               2.1G
                       1.7G
                                212M
                                        89%
devfs
               1.0k
                       1.0k
                                  \Theta B
                                       100%
                                               /dev
/dev/ada0p4
                                1.9G
               2.1G
                        20M
                                         1%
                                               /var
/dev/ada0p5
                10G
                        34M
                                9.5G
                                         0%
                                               /tem
hong@hong:~ % 📕
```

Lab Week 2

Student Name *Hong* **Zhang**

Due Date 2/24/2015

• PC-BSD



Lab Week 2

Student Name Hong Zhang

Due Date 2/24/2015

Because PC-BSD uses ZFS as the file system, it cannot do partition and use dual-boot. If we need to do partitions, we need to use Parted Magic to do. Hence, I give up and do not do it.

