

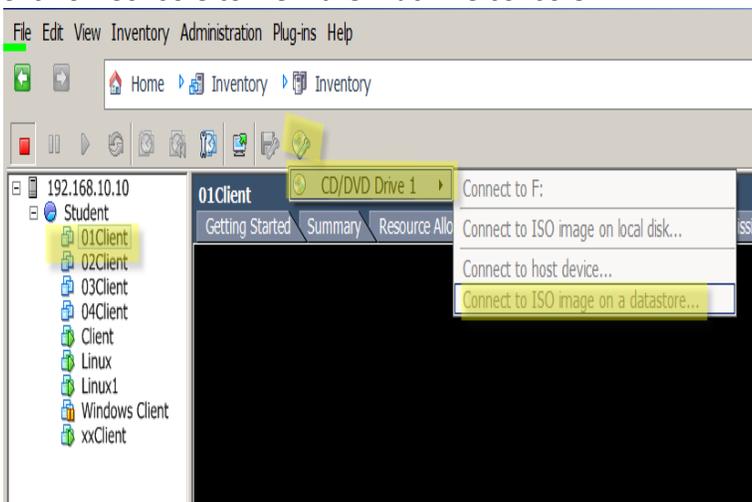
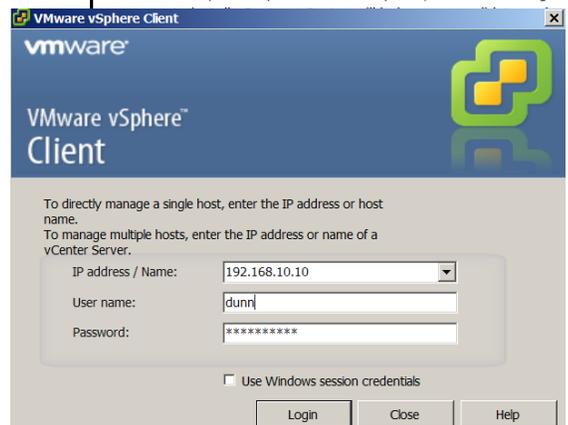
# CIS

## Installing Ubuntu Server (Linux)

### Connect to the VMware vSphere server.

Complete this page if you do not already have the vSphere client installed on your computer

- Create a VPN connection to your assigned VPN location (Lab 1).
- With any browser (IE no longer required), navigate to <http://192.168.10.10>
- Click Proceed anyway to the security warning.
- Click "Download vSphere Client"
- Download and install the client. I suggest using a shortcut on your desktop for easy access to this software.
- Run the VMware vSphere Client.  
IP address / Name is **192.168.10.10**  
Use your MySVC username/password
- Find your assigned Linux machine (xxLinux - replacing xx with your assigned student number)
- Click on Console to view the machine console.



- Put the proper DVD into the DVD drive by clicking on the CD/DVD Icon, the select "connect to datastore".  
If the DVD is already connected, disconnect it first.
- Navigate to: DataStore4TemplatesNsoftware\iso\Ubuntu and select the file **ubuntu-10.04.2-server-amd64.iso**

Power on the machine. Right click and connect to the Console.  
Accept all installation defaults except:

- Disk Partition – Use the entire disk (not the LVM)
- Add packages: DNS, openSSH, SAMBA

The installation begins within the console.

Choose English  
Install Ubuntu Server



United States  
Detect Keyboard? NO  
USA  
USA

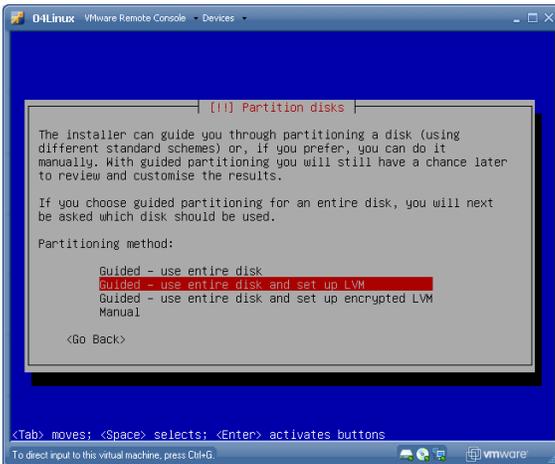
Installation will proceed with the network card detection (using DHCP initially)

Hostname: xxUbuntu (replace xx with your student number)

Installation proceeds - setting up the clock, set the timezone to Pacific



Partition the disks using the entire disk (guided)

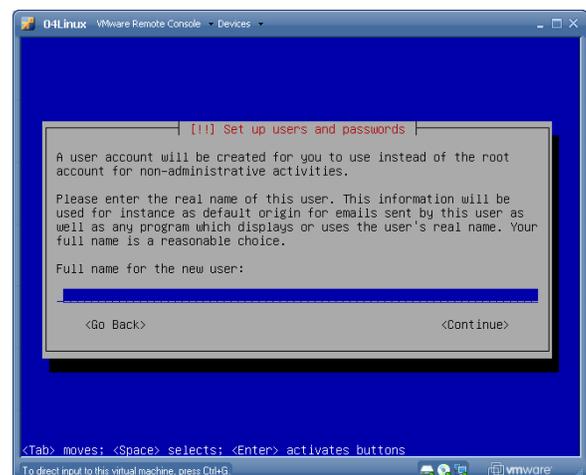
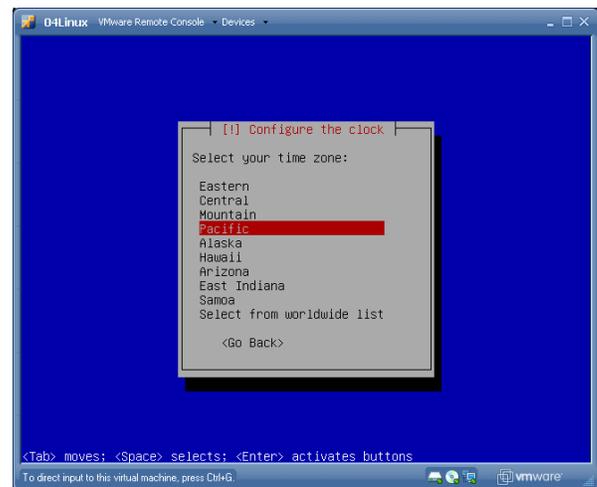


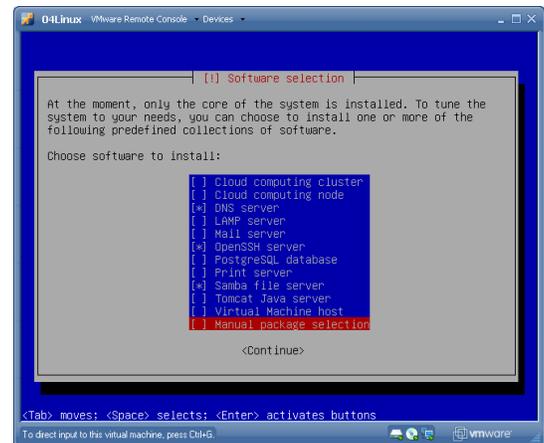
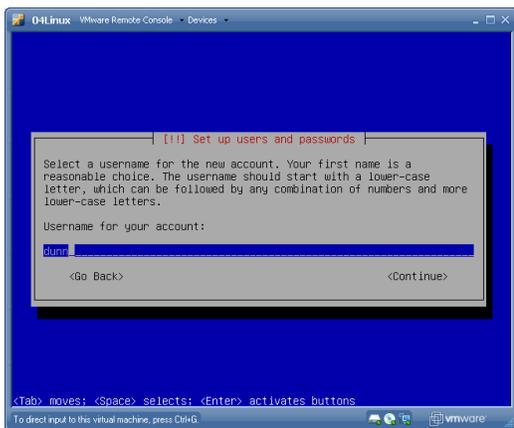
Use the entire disk  
YES to write changes to the disk

Choose the name for new user - use your full name

Choose the username for new user - your mySVC username (all lowercase)

Use your original mySVC password

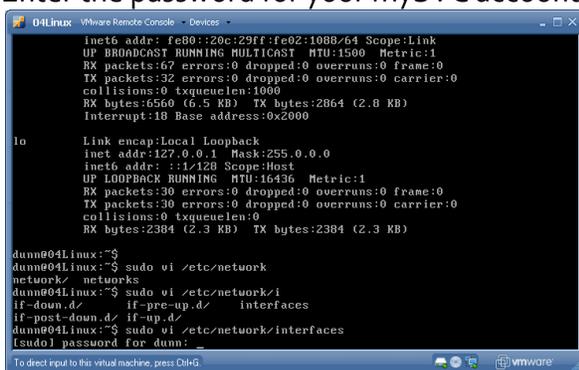




Encrypt your home directory? Choose NO  
 HTTP Proxy Information -leave blank. Choose Continue  
 Install Security Updates Automatically  
 Software Selection: Choose DNS Server, OpenSSH server, Samba File Server. Choose Continue

Allow the system to reboot.  
 Log into Linux and make the following adjustments:

1. Create the root user: at the terminal prompt, type **sudo passwd root**  
 When prompted, enter your password (mySVC), then enter the password **cisIsTheBest!** twice to assign the password to the root user
2. Set the IP numbers to static. At the command prompt, type **sudo vi /etc/network/interfaces**  
 Enter the password for your mySVC account as directed on the screen



Make any changes necessary in the eth0 section. Replace xxx with your assigned Linux IP number

```
iface eth0 inet static
    address 192.168.10.xxx
    netmask 255.255.255.0
    network 192.168.10.0
    broadcast 192.168.10.255
    gateway 192.168.10.1
```

ESC :wq to write and quit the VI editor.

Edit the file resolv.conf:

```
sudo vi /etc/resolv.conf
```

add the following line at the top of the file

```
nameserver 192.168.10.11
```

ESC :wq to write and quit the VI editor.

restart the networking to use your new configurations:

```
sudo /etc/init.d/networking restart
```

Use apt-get to run the updates and upgrades with the commands:

```
sudo apt-get update
```

```
sudo apt-get upgrade
```

Install SSH to allow connections with the program puTTY: **sudo apt-get install ssh**

Install the Graphical User Interface (desktop): **sudo apt-get install ubuntu-desktop**

Ensure PuTTY can connect by opening a PuTTY session on your main computer (not the linux), connect to your IP number.

Start the desktop using the command: **startx**

Initial setup is complete. Reboot the machine and log into the desktop. More tasks:

- Run VMWare tools as you did with the Windows machines.
- Add remote desktop