Assignment 2

Linux Server/Network Setup

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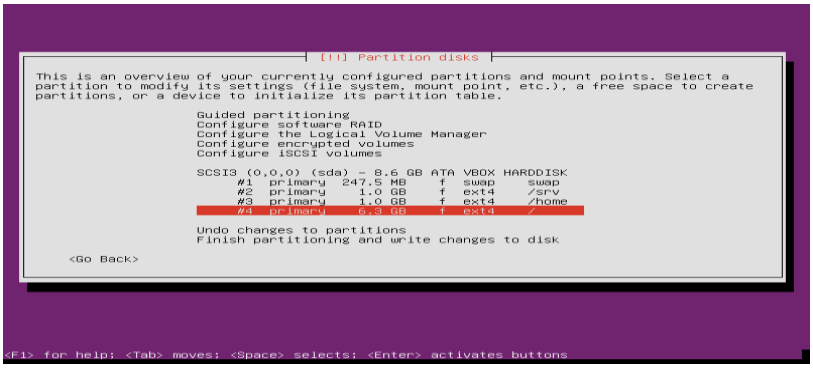
Table of Contents

Part 1-Install New Server / Windows Client

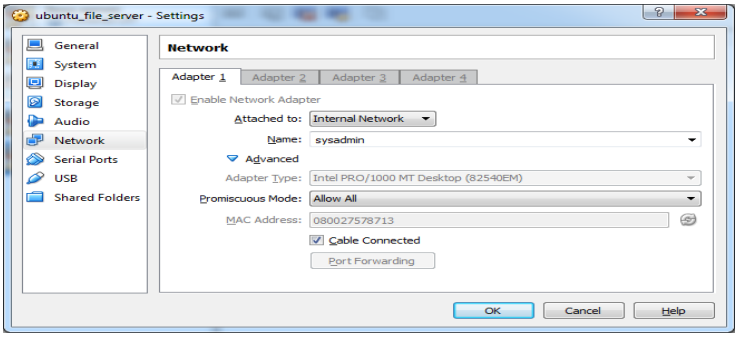
First we begin by creating the new VM Ubuntu_file_server

Use the default values until we get to partitioning.

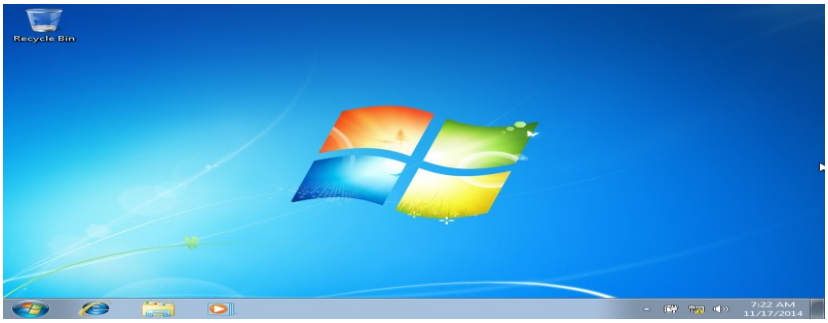


Set the partitions as wanted above

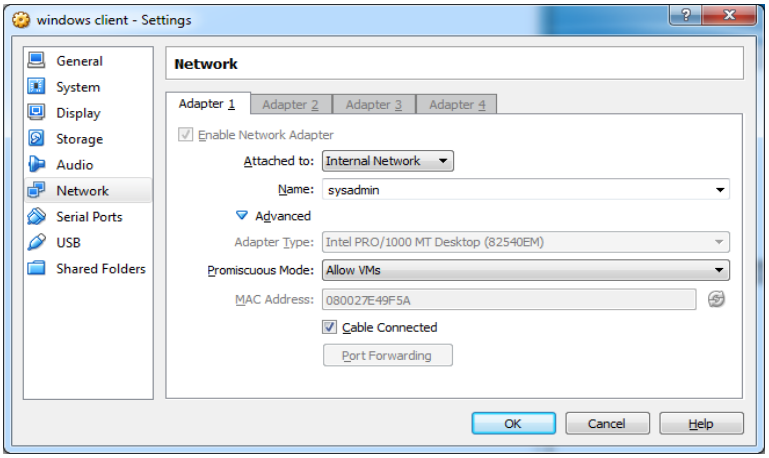
After manually setting the partitions I set the Ethernet adapter to internal network “sysadmin” as shown below.



Since you asked us to skip the windows install here’s just a screen shot of the windows VM



After that I set it like the other server to internal network “sysadmin”



Part 2: - Networking Configuration

First we back up both the linix ssh server and the ubuntu_file_server’s interface files

Next is to save the original interface files.

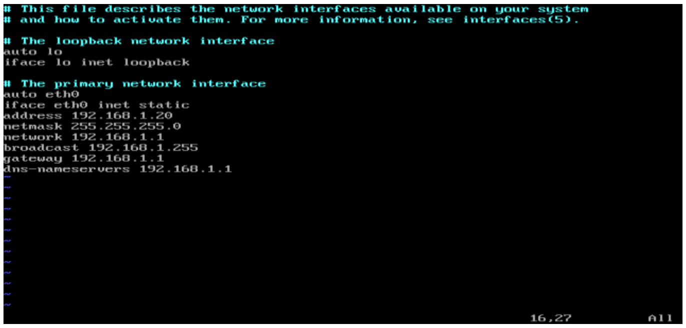
Once the username and password is enter I used the following commands:

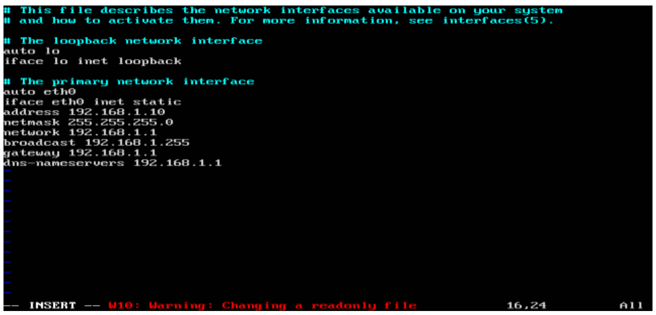
```
Cd ../../..

Cd etc/network

Sudo sp interfaces interface_assign2
```

Now that they are backed up we move on to configuring the servers interface files

```
Vi interfaces
```

Set them as so:

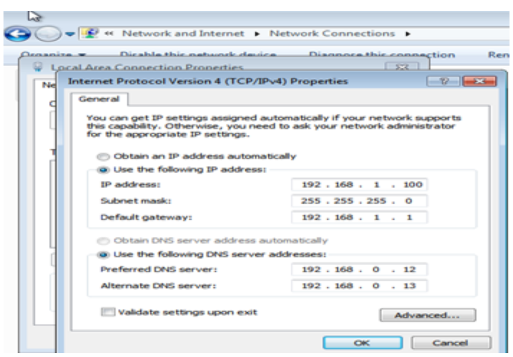




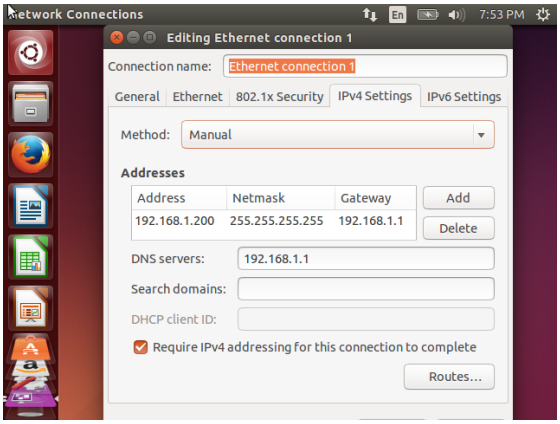
Since they were read only I had to override that to save the configuration

W !sudo tee %

Now that the servers are set statically it's now time for the windows client

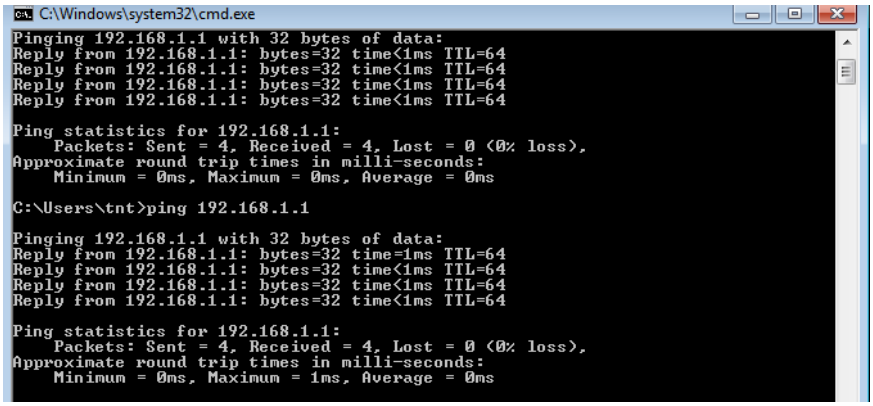


Finally all that's left is the Linux desktop side

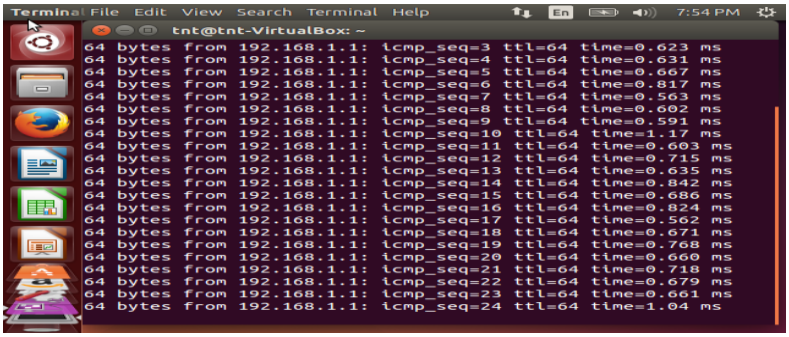


Now that all of the ips have been statically set time to ping the virtual router(192.168.1.1)

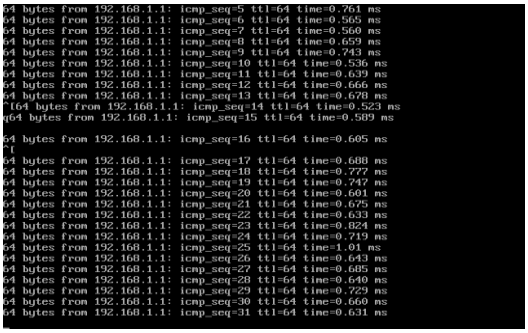
Windows client VM



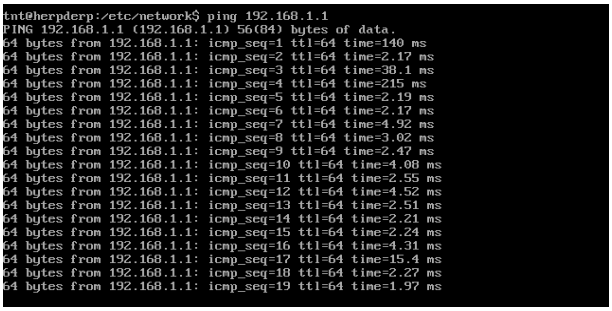
Linux desktop



Ubuntu_file_server



Linux ssh server



All VM pinging 192.168.1.1 work!

Part 3- Configure Networking Services (SSH Server, Samba)

Install SSH server and samba packages on ubuntu_file_server

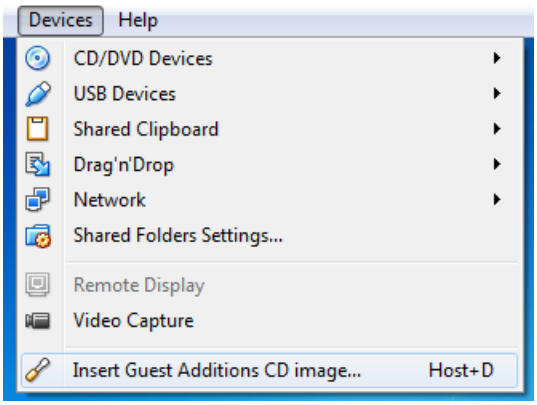
Sudo apt-get install openssh-server openssh-client

Sudo apt-get install samba

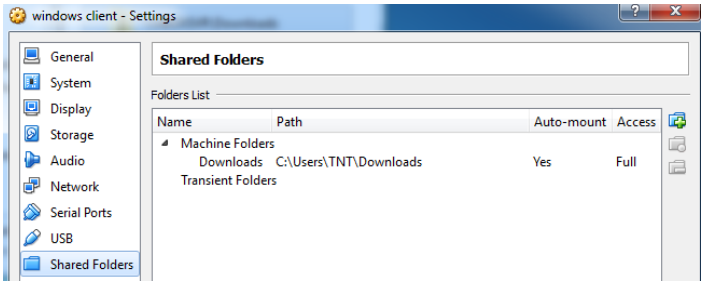
Next install putty into windows client

Well this was odd but I got it to work

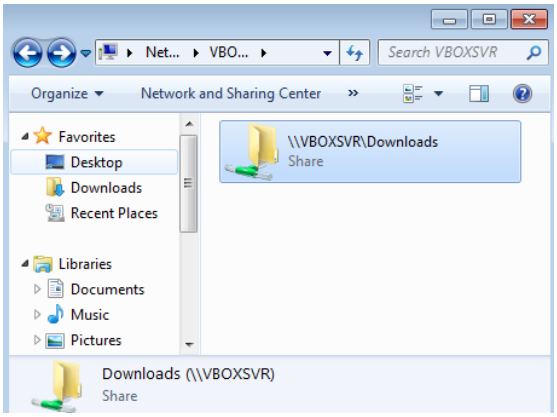
First I add the VM ware guest additions cd image and install it



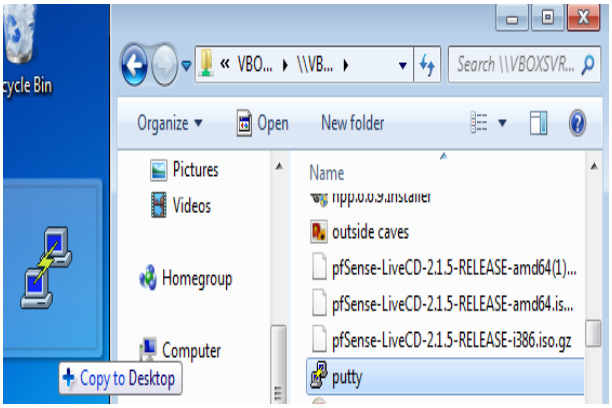
After I add my downloads folder to the VM so I can copy over my putty .exe



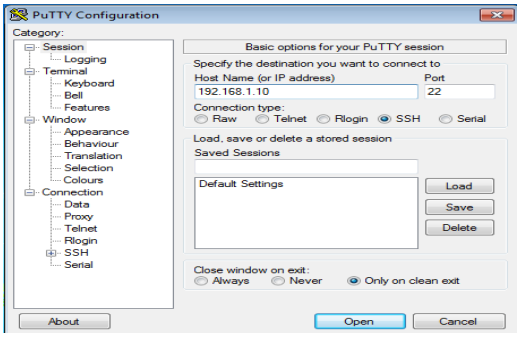
Now it shows up on the network share drives

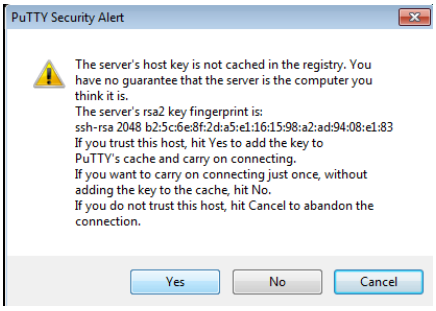


Super Success!

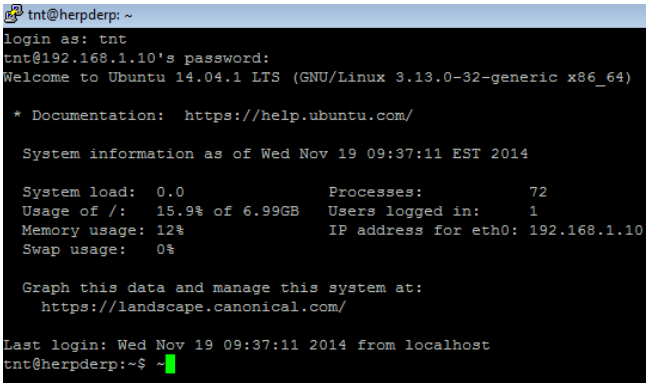


Now we have putty time test ssh!





Yes please!



I'm in!

Now time to configure samba files!

Cd ../../..

Cd etc/samba

Vi smb.conf

Add in the share definitions

```
#======================= Share Definitions =======================
[backup]
path=/home/tnt/backup
[docs]
path=/home/tnt/docs
# Un-comment the following (and tweak the other settings below to suit)
# to enable the default home directory shares. This will share each
# user's home directory as \\server\username
;[homes]
;   comment = Home Directories
```

Because it's a read only file again

W !sudo tee %

Make sure the folders are available in home folder

Mkdir backup

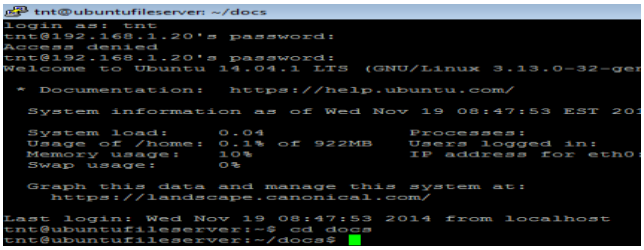
Mkdir docs

And add permissions

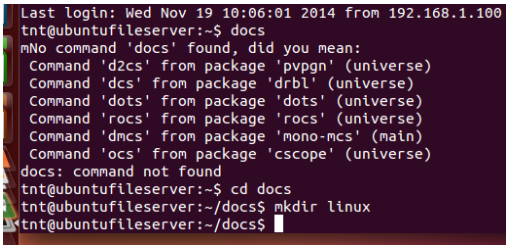
Chmod 777 backup

Chmod 777 docs

Test to see if I can access the samba!



Yes to windows



And Linux

Part 4: Configure Your srv1 to be a web server

Installing apache

```
Sudo apt-get install apache2
```

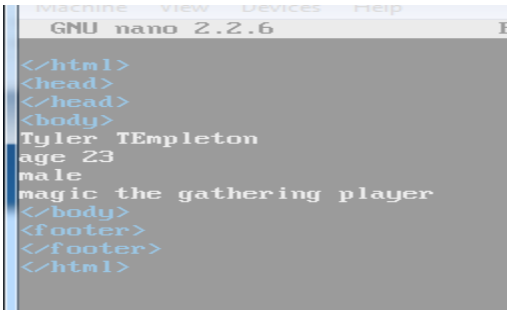
Setting up the webserver and enabling it (thanks to helpUbuntu.com on this one)

```
Sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/mynewsite.conf
Sudo a2ensite mynewsite
Sudo service apache2 restart
```

Now back up index.html

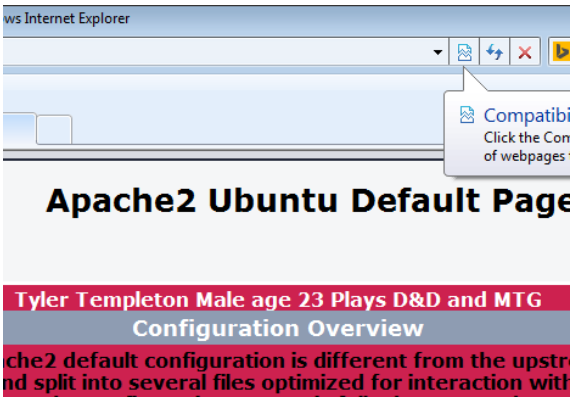
```
Cd var/www/html

Sudo cp index.html index_backup.html

Nano index.html
```

And edit it with my info



(it broke before I could finish so I just re edited the index)

It worked!



Part 5 user management

Downloaded the text list

Wget http://courses.sheridanc.on.ca/downloads/courses/syst28296/auth_list_wed.txt

Added the new users

New users

Command dump

Ubuntu file server
Cd ../../..
Pwd
Cd ect/network
Cd etc
Cd network
Vi interfaces
Pwd
Ls
Sudo apt-get install apache2
Sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/mynewsite.conf
Sudo a2ensite mynewsite

Sudo service apache2 restart
Cd var/www/html
Sudo cp index.html index_backup.html
Sudo nano index.html
History –w ~history.txt

Ubuntu_file_server
Cd
Cd ../../
Pwd
Cd etc/network
Cp interfaces interfaces_assign2
Sudo cp interfaces interfaces_assign2
Vi interfaces
Cd ../../..
Sudo apt-get samba
Sudo apt-get openssh-server openssh-client
Cd etc/samba
Vi smb.conf
W !sudo tee %
W !sudo tee %
Mkdir backup
Mkdir docs
Chmod 777 backup
Chmod 777 docs
History

Linux desktop

Ping 192.168.1.1

Ping 192.168.1.10

Ssh 192.168.10

Ssh 192.168.20