

INFO6003 Lab-01 Basic Skills

Today's lab is going to cover some of the basic skills you need to be able to do to set up your lab environments in VMware Workstation. For sections that we covered last week I won't give you detailed instructions, but if a concept is new, I will guide you through the setup. You will be expected to be able to perform these tasks in future labs.

Tasks

- (on C:\ or D:\ ect)
- Extract three new VMs into the **ISM** folder (From the **ISM/7Zip-Images** folder)
 - W7.7z
 - Win10
 - UbuntuSrv.7z
- **Start here** if you have already unzipped your images.
- Use the **INFO6003** folder in the VMWare library, then open both VMs and place them in it
- Logon to all VMs
 - The W7 account is **User or Administrator** and the password is **Windows1** (work network)
 - The Win10 account is Administrator and password is Windows1
 - The Ubuntu account is **root** and the password is **Ubuntu1** (ctrl-c to get the mouse back)
- On all VMs, assign the network adapters to the **vmnet7** network (you will have to create it)
- Statically assign IPs to the VMs
 - W7
 - IP address **10.87.10.10**
 - netmask **255.255.255.0**
 - Win10
 - IP address **10.87.10.30**
 - netmask **255.255.255.0**
 - Ubuntu (instructions below)

Assigning an IP on the Ubuntu Server:

- You need to edit a configuration file called **/etc/network/interfaces** on the VM to change the IP address. This can be accomplished using a text editor called nano with the following command
 - **nano /etc/network/interfaces**
 - At the bottom of the config file, replace **dhcp** with **static** and add the following lines
address 10.87.10.20
netmask 255.255.255.0
network 10.87.10.0

```
GNU nano 2.2.6      File: /etc/network/interfaces

# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

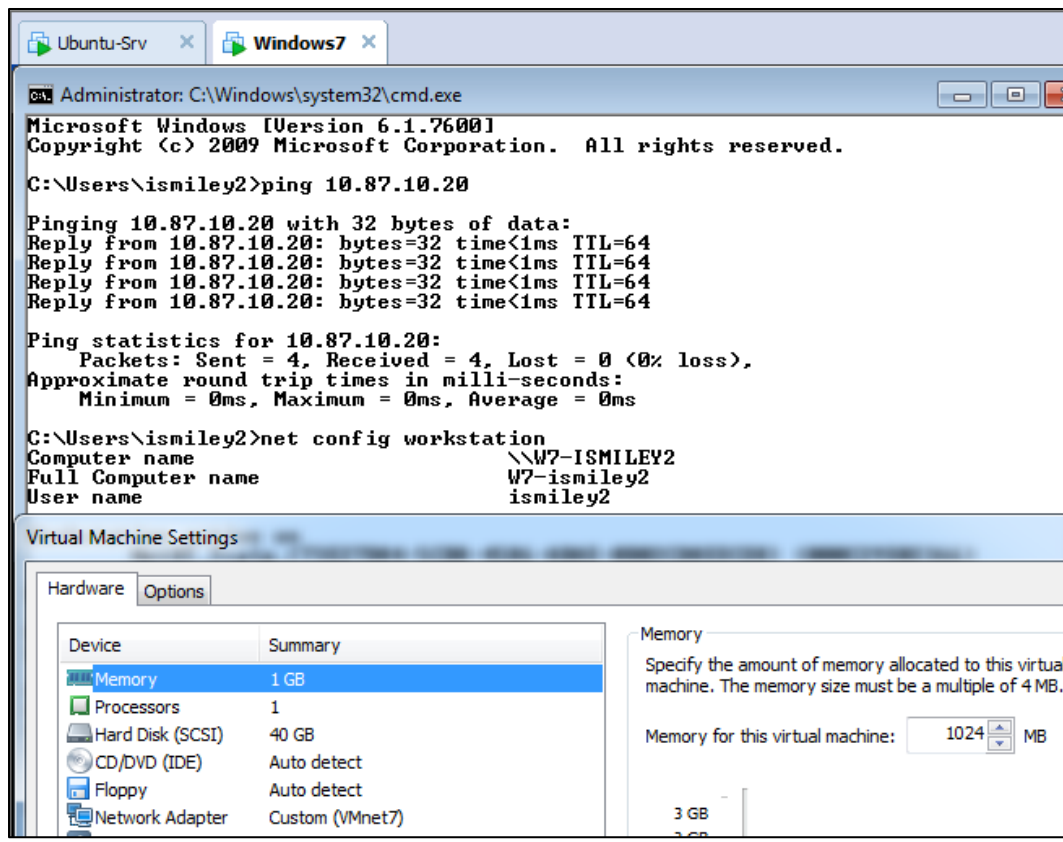
# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
auto eth0
iface eth0 inet static
address 10.87.10.20
netmask 255.255.255.0
network 10.87.10.0
```

- To save the changes you enter the following commands (pay attention to the prompts)
Ctrl-X, Y, then hit the **Enter Key**
- Change the computer names on all VMs
 - Use **W7-FOLusername** (without the underscore for the W7 VM) e.g. W7-ismiley2
 - Use **Win10-Folusername**
 - Use **U7-FOLusername** (without the underscore for the Ubuntu VM)
 - You change the computer name on the Ubuntu VM in a similar manner to how you edited the network settings
 - You need to edit the **/etc/hostname** file and replace ubuntu with the new computer name above
- Create a new user on all VMs (standard users, not administrators)
 - Name: **FOLusername** (without the underscore)
 - Same username for all VMs
 - Password: **Windows1** for the Windows user
 - Password: **Ubuntu1** for the Ubuntu user
- The instructions for the Ubuntu VM are listed below
 - Use **adduser FOLusername** to initiate the creation of a new user (your FOLusername)
 - Enter the password twice, then hit enter until you get back to the command prompt
- **Restart** both VMs, then **Logon as the new users**
 - You can use the **init 6** command to restart the Ubuntu VM

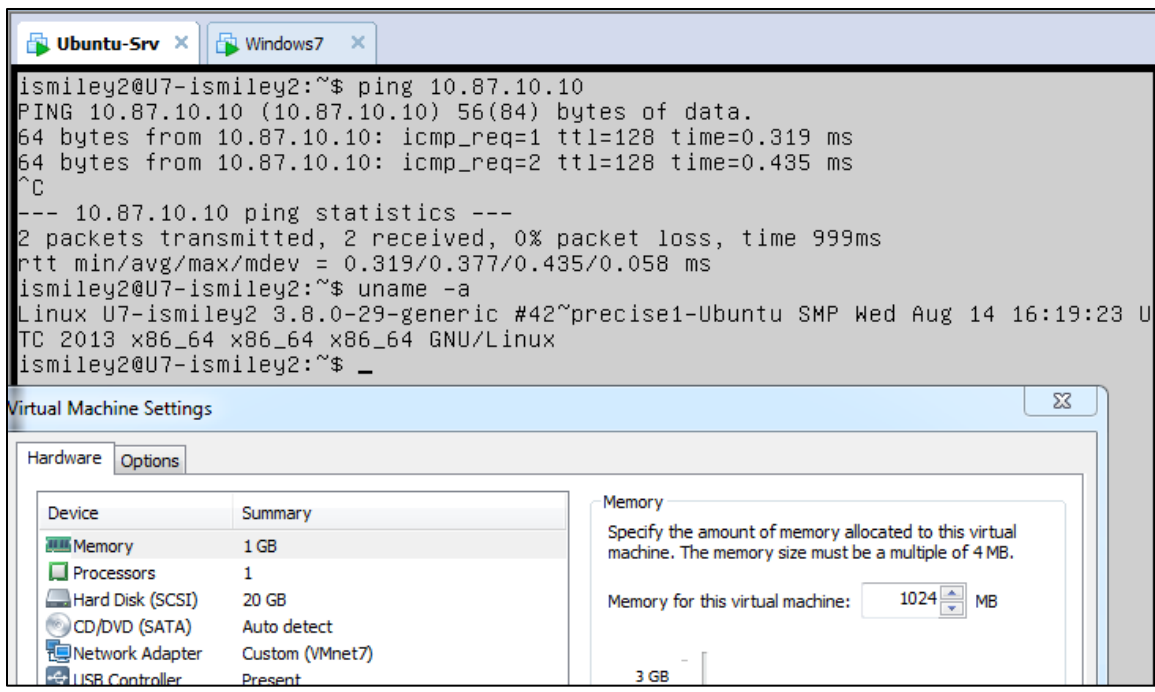
Screen Capture 1 Preparation (Windows 7 VM as FOLusername)

- Open a command prompt and ping the Ubuntu VM at 10.87.10.20
- Enter the command **net config workstation**
- Display the settings window for the Windows 7 VM
- Position the windows as seen below



Screen Capture 2 Preparation (Ubuntu VM as FOLusername)

- Ping the W7 VM at 10.87.10.10
 - Use ctrl-C to break out of the ping after at least one successful response
 - If you can't ping, shut the Firewall off on the W7 VM and try again
 - You will need to make your W7 user an administrator to do this
- Enter the command **uname -a** to display information about your install
- Display the settings window for the Ubuntu VM
- Position the windows as seen below (including getting the text at the top left of the screen)



Screen Capture 3 Preparation (Windows 10 VM as FOLusername)

- Open a command prompt and ping the Win7 VM at 10.87.10.10
- Open a command prompt and ping the Ubuntu VM at 10.87.10.30
- Enter the command **net config workstation**
- Display the settings window for the Windows 10 VM
- Make the screen shot similar to the others showing VMnet7

Screen Capture 4 Preparation (host machine)

- Display the contents of the ISM\ folder
- Display the contents of the VMWare INFO6003 folder
- Position the windows as seen below

