CSCI 6345

LAB ASSIGNMENT 1

Install Virtual Machine

Dr. Abraham

Due: Check blackboard for due dates

**For all assignments, please submit in one word document with all screen captures pasted in it with comments for each screen capture. Please do not send me zipped documents. Do this for all assignments.**

I am explaining lab 1 elaborately so that you have an understanding of my expectations. Other assignments will be just one or two sentences.

Please research virtualization software provided by: VMware, Microsoft, Oracle (Sun) VirtualBox and Citrix XenServer. You need to choose one most suitable for your hardware configuration. I have installed VirtualBox on my machines in my office and home. Therefore, I am more familiar with this. Technical support on these products can be obtained from user groups. Read this before installing: <https://blogs.oracle.com/scoter/networking-in-virtualbox-v2> . There will be questions on the test from this reading.

1. Download and install the virtualization software you selected and create a virtual machine and install Linux (any flavor). Check the following configuration on both the host machine and the virtual machine (Ethernet adapter and Virtual Ethernet adapter). I used Bridged mode rather than NAT. Much of the later assignments may not work in NAT.

Example: Host Virtual (my virtual adapter is in bridged mode

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| --- | --- |
| Physical Address: D4-3D-7E-7D-6D-F0  DHCP Enabled. . . . . . . . . . . : Yes  IPv4 Address. . 129.113.130.173  Subnet Mask . . . . . . . . . . . : 255.255.255.0  Lease Obtained. Friday, August 22, 2014 2:10:14 PM  Lease Expires . Thursday, August 28, 2014 2:10:15 PM  Default Gateway . . . . . . . . . : 129.113.130.1  DHCP Server . . . . . . . . . . . : 129.113.38.36  DNS Servers . . . . . . . . . . . : 129.113.38.34  129.113.38.36 | Physical Address. . . . . . . . . : 08-00-27-00-3C-3D  DHCP Enabled. . . . . . . . . . . : No  IPv4 Address. 192.168.56.1  Subnet Mask . . . . . . . . . . . : 255.255.255.0  Default Gateway . . . . . . . . . : |

1. Download and install any flavor of Linux in of the virtual machines. I used Zorin (Ubuntu).
2. Install your printer on the Virtual machine and make sure it prints.

What to submit: (All assignments should be submitted THROUGH BLACKBOARD in one Word document

1. Screen capture of following command executions in Linux: ifconfig, cp, ls, mv, pwd. Show printer is installed in Linux by going into settings and expanding Printers. (I used the snipping tool to capture the following)

