Networking

Dr. John P. Abraham

Lab 3

Peer to Peer

**For all assignments, please submit in one word document with all screen captures pasted on to it with comments for each screen capture.**

**Important: for this lab please do not create a domain or join a domain.**

Due: Feb 8, 2018

1. Create one or more virtual machines on your hardware. Install any version of Windows server on one VM and make sure there is connectivity to the internet from all virtual machines. (You may not be able to access Internet from virtual machines using Bridged mode from UTRGV for security reasons. You should be able to do it from your home).
2. If there is no connectivity figure out what is going on and fix it.
3. Share a directory (for example, create a directory “sharedOffice-host”, “sharedOffice-VM” ) in your host computer and in the virtual server. Learn to use the command prompt (console) to share files (do one of the shares this way).
4. Check if you can see each other’s files.

**Alternatively you can set up one computer as a Windows server, and another as a Windows professional (any version) and connect them using a switch and follow steps 3 and 4. This would mean you have to have two different computers.**

What to submit: A short summary of what you have done and the screen captures. Also include the following:

Why you need to use professional versions of windows when connecting to the server.

If you are only connecting two computers there is no need for a switch. Explain how this can be accomplished.

***Helpful Hint: Do not use VirtualBox folder share. Assume, you are connecting two regular computers (not virtual machines). How would you share a folder on one machine so that others can read it or edit it. Use windows sharing capabilities. You can also map the folder to a drive letter if you wish.***