Networking

Dr. John P. Abraham

Lab 3

Learn to use Net commands

**Please submit all in one word document: all screen captures with comments for each screen capture.**

**Important:**

1. **for this lab please do not create a domain or join a domain (you are doing this exercise as peer-to-peer).**
2. ***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.***

Due date : Check blackboard

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). IMPORTANT: DO NOT CREATE A DOMAIN YET. We are going to use it for peer to peer first. Later we will create a domain.
2. If there is no connectivity figure out what is going on and fix it.
3. Use Net command (console) as shown below.

NET

[ ACCOUNTS | COMPUTER | CONFIG | CONTINUE | FILE | GROUP | HELP |

HELPMSG | LOCALGROUP | PAUSE | SESSION | SHARE | START |

STATISTICS | STOP | TIME | USE | USER | VIEW ]

1. Using **command prompt (console**) share a directory (for example, create a directory “sharedOffice-host”, “sharedOffice-VM”) in your host computer and in the virtual server. Make sure include this in the screen captures.
2. Check if you can see each other’s files.
3. Print contents of a file you shared from the other computer.

**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.