

System and Network Administration
CSIS 341
Lab 02

Name _____

- Please upload your answers to the appropriate D2L folder.
- All the requirements for a section must be satisfactory completed for credit.
- The lab must be completed before the due date and time.
- Contact your instructor with your questions about the assignments.
- The student must insure all the answers are free from any malware.
- The student must insure all answers are legal as defined by the class syllabus.

Lab02 – Introduction to Windows Networking

- 2.1.** This section is three parts. All answers must be in pdf file format. You will upload to the appropriate drop box.
- 2.1.1.** On your virtual machine, show the virtual machine is a member of the domain.
 - 2.1.2.** On the server, show the virtual machine is a member of the domain.
 - 2.1.3.** Show a successful logon to your domain administration account using RDC.
- 2.2.** This section is two parts. All answers must be in pdf file format. You will upload to the appropriate drop box. You must use the command line to generate your evidence.
- 2.2.1.** Create a second administration account for yourself in your Organizational Unit (OU). Provide evidence your new administration account is a member of your Organizational Unit administration group.
 - 2.2.2.** Create a non-administration account for yourself in your Organizational Unit (OU). Provide evidence your non-administration account is not a member of our Organizational Unit administration group.
- 2.3.** This section is four parts. All answers must be in pdf file format. You will upload to the appropriate drop box. You must use the command line to generate your evidence.
- 2.3.1.** Provide evidence of configuring all the accounts in your Organizational Unit to expire on the last day of the semester.
 - 2.3.2.** Provide evidence of successful logon to both of your Organizational Units administration accounts. You must highlight the logon name in the evidence.
 - 2.3.3.** Provide the membership list of your Organizational Unit's administration group
 - 2.3.4.** Provide evidence of successful logon to your Organizational Unit's non-administration account. You must highlight the logon name in the evidence.
- 2.4.** This section is thirteen parts. All answers must be in pdf file format. You will upload to the appropriate drop box. Create a batch file or script on your class virtual machine with the following characteristics and output.
- 2.4.1.** The script will have remarks identifying the author, creation date, outside help credit, and script purpose.
 - 2.4.2.** Gather the IPv6 addresses for all the client system's adapters. (netsh interface ipv6 show addresses)
 - 2.4.3.** Gather all the connection for UDPv6 only. (netsh interface ipv6 show udpstats)
 - 2.4.4.** Gather all the connection for TCPv6 only. (netsh interface ipv6 show tcpstats)
 - 2.4.5.** Gather all the Ethernet statistics for IPv6 only. (netsh interface show ipv6 ipstats)
 - 2.4.6.** Gather all the neighbor cache entries for IPv6 only. (netsh interface show ipv6 neighbors.)
 - 2.4.7.** Gather all the site prefix table entries.
 - 2.4.8.** Provide your computer's successful IPv6 ping of loopback by IPv6 address.
 - 2.4.9.** Provide your computer's successful IPv6 ping of Honduras.dragon.example.org by FQDN.
 - 2.4.10.** Provide your computer's successful IPv6 ping of Panama.dragon.example.org by FQDN.
 - 2.4.11.** Provide your computer's successful IPv6 ping of Peru.dragon.example.org by FQDN.
 - 2.4.12.** Report the current date and time (date /T)
 - 2.4.13.** Add the batch file or script source code to the file containing the output for this section.