

Network Security  
CSIS 441  
Lab 08

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.

**Lab08 - Vulnerability Assessment and Mitigating Attacks)**

- 8.1.** This section is four parts. All answers must be in pdf file format. You will upload to the appropriate drop box.
- 8.1.1.** One section is providing the grant of permission to capture packets on the network.
  - 8.1.2.** Create a diagram of the network that identifies each network device packets will cross or use.
  - 8.1.3.** Capture all the packets from an unsecure login/logon and one command. Report the packet capture as shown in the examples.
  - 8.1.4.** Capture all the packets from a secure login/logon and one command. Report the packet capture as shown in the examples.
- 8.2.** This section is four parts. All answers must be in pdf file format. You will upload to the appropriate drop box.
- 8.2.1.** One section is providing the grant of permission to port scan on the network.
  - 8.2.2.** Create a diagram of the network that identifies each network device packets will cross or use.
  - 8.2.3.** Report all the findings of an external base port scanner similar to NMAP against a Windows host.
  - 8.2.4.** Report Windows host version.
- 8.3.** This section is four parts. All answers must be in pdf file format. You will upload to the appropriate drop box.
- 8.3.1.** One section is providing the grant of permission to port scan on the network.
  - 8.3.2.** Create a diagram of the network that identifies each network device packets will cross or use.
  - 8.3.3.** Report all the findings of an external base port scanner similar to NMAP against a Linux/Unix host.
  - 8.3.4.** Report Linux/Unix host distribution and version
- 8.4.** This section is four parts. All answers must be in pdf file format. You will upload to the appropriate drop box.
- 8.4.1.** One section is providing the grant of permission to port scan on the network.
  - 8.4.2.** Create a diagram of the network that identifies each network device packets will cross or use.
  - 8.4.3.** Report all the findings of an external base port scanner similar to NMAP against a non-Windows or non-Linux host.
  - 8.4.4.** Report the device manufacturer, model, and version.