

Network Security  
CSIS 441  
Lab 10

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 properly obtained as defined by the class syllabus.

### Lab10 – Access Control Fundamentals

- 10.1.** 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.
- 10.1.1.** One section is using the names from the **names1** file. Create a logon on the class domain for each name in your assigned OU.
- 10.1.1.1.** Provide evidence names 1-5 are in the section Abbot or Alpha.
  - 10.1.1.2.** Provide evidence names 6-10 are in the section Barbel or Beta.
  - 10.1.1.3.** Provide evidence names 11-15 are in the section Caron or Chi.
  - 10.1.1.4.** Provide evidence all the logons will expire at the end of the semester.
  - 10.1.1.5.** Provide the operating system manufacturer and version used for this lab.
- 10.1.2.** One section is submitting the command line evidence the logon creation, group assignment, and expiration date is correct for each logon.
- 10.2.** This section is two parts. All answers must be in pdf file format. You will upload to the appropriate drop box.
- 10.2.1.** One section is installing a game or similar program on the server for only members of the Abbot or Able group to use. Include a command line full listing of all logon/login permissions to the file(s). The permission settings must follow least privilege permissions.
  - 10.2.2.** One section is installing a game or similar program on the server for only members of the Barbel or Beta group to use. Include a command line full listing of all logon/login permissions to the file(s). The permission settings must follow least privilege permissions.
- 10.3.** This section is six parts. All answers must be in pdf file format. You will upload to the appropriate drop box.
- 10.3.1.** Join a group of no more than three people. Provide a list of the members
  - 10.3.2.** Each member provides a grant of permission to run identified security scans on the network.
  - 10.3.3.** Each member will submit a diagram of the network that identifies each network device packets will cross or use.
  - 10.3.4.** Each member will provide the complete configuration of a system. This includes hardware specifications, operating system type, software version, network addresses, and installed software.
  - 10.3.5.** Each member will configure their system with a working web server available to other members of the group.
  - 10.3.6.** Each member of the group will report the results of the security scan against one other member of the group. Group member may not use the same scanning software against the same machine. Each group member will submit the scan results.
- 10.4.** This section is three parts. All three parts must be in a single pdf file uploaded to the appropriate drop box. In a perfect world, you should complete all the lab sections before completing this lab section; however you must wait to complete this lab until week 14 of the semester. All three answers must be in a single pdf file uploaded to the appropriate drop box
- 10.4.1.** Identify the lab or lab section that was most difficult for you. Provide at least one sentence explaining why this was the most difficult lab or lab section.
  - 10.4.2.** Identify the lab or lab section that was the easiest for you. Provide at least one sentence explaining why this was the easiest lab or lab section.
  - 10.4.3.** Identify the lab or lab section you learned the most. Provide at least one sentence explaining why you learned the most from this lab or lab section.