

Enterprise Network Technologies
CPTR 2245
Lab 10

- 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.
- All parts of your answers must be neat and easy to read.
- Paragraphs are at least four properly constructed English sentences.
- Embedding documents within documents does not work with the D2L Bright Space assignments.
- Plagiarism will not be tolerated.
- Unless noted, all lab sections must be done as unprivileged login.

Lab 10: Locking Down Windows & Using Wireshark and TCP Dump

- 10.1 Each part is worth eight points for a maximum of twenty-five points. Upload each section answer to D2L Bright Space Assignment section 10.1 before the due date found in the 2245a.pdf document. The text must be readable by the instructor. Submit a Portable Document Format (PDF) or word processing file containing your answers.
- 10.1.1 Provide evidence of successfully completing the following Qwiklab, Networking Fundamentals on Google Cloud (4 hours, 4 credits) [24 points]
- 10.1.1.1 VPC Networking Fundamentals
- 10.1.1.2 Set Up Network and HTTP Load Balancers
- 10.1.2 Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]
- 10.2 Each part is worth twelve points for a maximum of twenty-five points. Upload each section answer to D2L Bright Space Assignment section 10.2 before the due date found in the 2245a.pdf document. The text must be readable by the instructor. Submit a Portable Document Format (PDF) or word processing file containing your answers.
- 10.2.1 Provide evidence of successfully completing the following Qwiklab, Networking Fundamentals on Google Cloud (4 hours, 4 credits) [12 points]
- 10.2.1.1 Internal Load Balancer
- 10.2.1.2 Networking Fundamentals on Google Cloud: Challenge Lab Provide the URL showing you earned the badge.
- 10.2.1.3 If you were not able to finish the quest, explain the troubleshooting you did to resolve the problem(s). [12 points]
- 10.2.2 Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]
- 10.3 Each part is worth six points for a maximum of twenty-five points. Upload each section answer to D2L Bright Space Assignment section 10.3 before the due date found in the 2245a.pdf document. The text must be readable by the instructor. Submit a Portable Document Format (PDF) or word processing file containing your answers.
- 10.3.1 Provide the complete text of a job advertisement related to your major you might apply. [12 points]
- 10.3.2 Provide a complete copy of your resume for the submitted job advertisement. The resume must include. [12 points]
- 10.3.2.1 Your Name
- 10.3.2.2 Your Professional Contact Information
- 10.3.2.3 No spelling or grammar errors
- 10.3.2.4 How you meet or will meet each requirement in the job advertisement
- 10.3.2.5 The resume communicates all requested information in a very quick reading.
- 10.3.3 Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]
- 10.4. This section is one document. Upload your answer(s) to the D2L Bright Space Assignment section 10.4 before the due date found in the 2224a.pdf document. 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. Submit a Portable Document Format (PDF) or word processing file containing your answers.
- 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. [6 points]
- 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. [6 points]

- 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. [6 points]
- 10.4.4. Identify the lab or lab section that you think needed more detail. Provide at least one sentence explaining why you think more detail is needed. [6 points]
- 10.4.5. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]