

Fundamentals of Information Technology Security
CSEC 1110
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.

Lab 10: Network Encryption

- 10.1. Each part is worth eight points for a maximum of twenty-five points. Upload D2L Bright Space Assignment section 10.1 before the due date found in the csec1110a.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. Configure host1 for IPSec. Provide all the configuration files.
 - 10.1.2. Configure host2 for IPSec. Provide all the configuration files.
 - 10.1.3. In a paragraph, explain how IPSec enhances security.

- 10.2. Each part is worth twelve points for a maximum of twenty-five points. Upload D2L Bright Space Assignment section 10.2 before the due date found in the csec1110a.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 a successful unencrypted file transfer between host1 and host2.
 - 10.2.2. Provide a Wireshark capture of the unencrypted file transfer over IPSec between host1 and host2.

- 10.3. Upload your answer(s) to the D2L Bright Space Assignment section 10.3 before the due date found in the csec1110a.pdf document.
 - 10.3.1. Provide the complete text of a job advertisement you might apply.
 - 10.3.2. Provide a complete copy of your resume for the submitted job advertisement. The resume must include.
 - 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

- 10.4. 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 csec1110a.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. This is an individual only lab section.
 - 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.