

Fundamentals of Information Technology Security
CSEC 1110
Lab 04

- 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 04: Authenticating People

- 4.1. Upload each section answer D2L Bright Space Assignment section 4.1 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.
 - 4.1.1. Provide the complete text or XML log entry from a system you control showing "Failure and Critical Error Report" issue. Windows systems will report event id 4875, 4881, 5025, or equivalent. Please label your answer.
 - 4.1.2. In a paragraph, explain how examining this type of entry helps you find potential security breaches.
- 4.2. Each part is worth six points for a maximum of twenty-five points. Upload each section answer D2L Bright Space Assignment section 4.2 before the due date found in the csec1110a.pdf document. Create the logins on your server in the specified sections.
 - 4.2.1. Provide the setup instructions for a cloud provide two-factor authentication system. Remember to cite your sources.
 - 4.2.2. Provide evidence of successfully logging into the cloud provider service using two-factor authentication.
 - 4.2.3. Provide evidence of failing to log into the cloud provide service using two factor authentication.
 - 4.2.4. Provide the URL to a reputable ethics statement and explain how two factor authentication is supported or discourage. A paragraph is expected.
- 4.3. Each part is worth six points for a maximum of twenty-five points. Upload each section answer D2L Bright Space Assignment section 4.3 before the due date found in the csec1110a.pdf document. The text must be readable by the instructor. Submit a Windows or UNIX text file with the appropriate Windows extension.
 - 4.3.1. Identify your legal requirements for each of the following. Include your information source and your obligation for each item.
 - 4.3.1.1. You find child pornography on a system.
 - 4.3.1.2. You find evidence of personal use on a system.
 - 4.3.1.3. You find evidence of fraud on a system.
 - 4.3.1.4. You find evidence of malware creation on a system.
- 4.4. Each part is worth five points for a maximum of twenty-five points. Upload each section answer D2L Bright Space Assignment section 4.4 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.
 - 4.4.1. Provide evidence of backup of all client files on host1.
 - 4.4.2. Provide evidence of backup of all client files on host2.
 - 4.4.3. Provide the output of a malware scan on host1.
 - 4.4.4. Provide the output of a malware scan on host2.
 - 4.4.5. In a paragraph, explain how the backups and malware scans reduce risk on host1 and host2.