

Linux 1
CPTR 2224
Lab 10

1. Contact your instructor with your questions about the assignments.
2. The student must insure all the answers are free from any malware.
3. The student must ensure all answers are legal as defined by the class syllabus.
4. All parts of your answers must be neat and easy to read.
5. Paragraphs are at least four properly constructed English sentences.
6. Embedding documents within documents does not work with the D2L Bright Space assignments.
7. Plagiarism will not be tolerated.
8. Unless noted, all lab sections must be done as unprivileged login.
9. Labeling answers is highly recommended.

10. Lab 10: Mount, backup and OSSEC

- 10.1. Upload each answer to the D2L Bright Space Assignment section 10.1 before the due date found in the 2224a.pdf document. Submit the entire text file(s) generated by the script command or similar containing the following.
 - 10.1.1. The remarks identify the bash shell script purpose, outside help credit, author, and creation date.
 - 10.1.2. The script will request the path to the external backup device.
 - 10.1.3. The script will create a new directory on the external backup device.
 - 10.1.4. The script will back up your entire home directory to the new folder on the external backup device.
 - 10.1.5. The script will create a long directory listing of all the files in the backup redirected to an output file.
 - 10.1.6. Provide a copy of the source code.
 - 10.1.7. Provide the output of successfully running the script and the long directory listing output files with each section labeled.
 - 10.1.8. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.
- 10.2. Upload each answer to the D2L Bright Space Assignment section 10.2 before the due date found in the 2224a.pdf document. Submit the entire text file(s) generated by the script command or similar containing the following.
 - 10.2.1. Using the command line only, provide the complete output of `/var/ossec/etc/ossec.conf`.
 - 10.2.2. Using the command line only, provide the complete output of `/var/ossec/logs/ossec.log`. If the file does not exist, show all the files in `/var/ossec/logs/`.
 - 10.2.3. Using the command line only, provide the complete output of `/var/ossec/logs/active-responses.log`. If the file does not exist, show all the files in `/var/ossec/logs/`.
 - 10.2.4. Provide the complete output of "systemctl status ossec".
 - 10.2.5. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.
- 10.3. Upload each answer to the D2L Bright Space Assignment section 10.3 before the due date found in the 2224a.pdf document. Submit a Portable Document Format (PDF) or word processing file(s) containing the following.
 - 10.3.1. Provide the complete text of a current job advertisement related to your major 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.
 - 10.3.3. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.
- 10.4. Upload your answer 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.
 - 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.
- 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.
- 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.