

Linux 2  
CPTR 2234  
Lab 05

- 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.
- Submit your answers in the appropriate file type.
- Embedding documents within documents does not work with the D2L Bright Space assignments.
- Plagiarism will not be tolerated.

## 5. [Lab 05: Linux Storage](#)

- 5.1. Upload each section answer to the D2L Bright Space Assignment section 5.1 before the due date found in the 2234a.pdf document. Use the **script** command or a **putty log file (printable output only)**. Your answers must appear in your answer in the same order as the lab. The file must be human readable text only and must show your login name and all entered commands. Submit a Windows or UNIX text file with the appropriate Windows extension.
  - 5.1.1. Provide a list of all the steps you performed to setup the NTP or Chrony server on host01.
  - 5.1.2. Provide a copy of all the configuration files you changed to setup the NTP server on host01.
  - 5.1.3. Provide the URL for a best practices for NTP servers setup and explain why you selected this document.
  - 5.1.4. Identify if an AI program was used in this lab section. If used, identify the AI program.
- 5.2. Upload each section answer to the D2L Bright Space Assignment section 5.2 before the due date found in the 2234a.pdf document. Use the **script** command or a **putty log file (printable output only)**. Your answers must appear in your answer in the same order as the lab. The file must be human readable text only and must show your login name and all entered commands. Submit a Windows or UNIX text file with the appropriate Windows extension.
  - 5.2.1. Provide documentation showing host02 received NTP answers from host01.
  - 5.2.2. Configure time synchronization security between host01 and host02
    - 5.2.2.1. Provide host01 with security configuration.
    - 5.2.2.2. Provide host02 with security configuration.
  - 5.2.3. Provide all the log file entries from host01 documenting host02 NTP queries.
  - 5.2.4. Identify if an AI program was used in this lab section. If used, identify the AI program.
- 5.3. Upload each section answer to the D2L Bright Space Assignment section 5.3 before the due date found in the 2234a.pdf document. Use the **script** command or a **putty log file (printable output only)**. Your answers must appear in your answer in the same order as the lab. The file must be human readable text only and must show your login name and all entered commands. Submit a Windows or UNIX text file with the appropriate Windows extension.
  - 5.3.1. Provide evidence of installing auditd on host01
  - 5.3.2. Provide the configuration file for auditd.
    - 5.3.2.1. The configuration will monitor system services.
    - 5.3.2.2. The configuration will be based on best practice(s).
  - 5.3.3. Provide the URL of the best practice(s) you used to create your configuration file.
    - 5.3.3.1. Create a script.
      - 5.3.3.1.1. The script will have remarks identifying the author, creation date, outside help credit, and script purpose.
      - 5.3.3.1.2. The script will search the log files for a specific vulnerability found on this system.
      - 5.3.3.1.3. The script will report the results of the vulnerability search.
      - 5.3.3.1.4. The script will report the date and time of the vulnerability search.
      - 5.3.3.1.5. Provide the script source code.
      - 5.3.3.1.6. Provide documentation of running the script at least four times.
  - 5.3.4. Identify if an AI program was used in this lab section. If used, identify the AI program.
- 5.4. Upload each section answer to the D2L Bright Space Assignment section 5.4 before the due date found in the 2234a.pdf document. Use the **script** command or a **putty log file (printable output only)**. Your answers must appear in your answer in the same order as the lab. The file must be human readable text only and must show your login name and all entered commands. Submit a Windows or UNIX text file with the appropriate Windows extension.
  - 5.4.1. Provide evidence of installing auditd on host02

- 5.4.2. Provide the configuration file for auditd.
  - 5.4.2.1. The configuration will monitor a specific file.
  - 5.4.2.2. The configuration will be based on best practice(s).
- 5.4.3. Provide the URL of the best practice(s) you used to create your configuration file.
  - 5.4.3.1. Create a script.
    - 5.4.3.1.1. The script will have remarks identifying the author, creation date, outside help credit, and script purpose.
    - 5.4.3.1.2. The script will search the log files for a specific vulnerability found on this system.
    - 5.4.3.1.3. The script will report the results of the vulnerability search.
    - 5.4.3.1.4. The script will report the date and time of the vulnerability search.
    - 5.4.3.1.5. Provide the script source code.
    - 5.4.3.1.6. Provide documentation of running the script at least four times.
- 5.4.4. Identify if an AI program was used in this lab section. If used, identify the AI program.