

Linux 2
CPTR 2234
Lab 01

- 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.

Lab 01: Linux Storage

- 1.1. Upload each section answer to the D2L Bright Space Assignment section 1.1 before the due date found in the 2234a.pdf document.
 - 1.1.1. Submit a Portable Document Format (PDF) or text file of your instructor's response to your email from your current college email account. It is optional to request a digitally signed response.
 - 1.1.2. This section is one document. Submit a Portable Document Format (PDF) or word processing file of your posting to this class "General Class Discussion" group on D2L Bright Space Discussion area. The submission must include your name, posting message and discussion group.
 - 1.1.3. This section is one audio file. Submit an audio file with the correct English pronunciation of your name as it appears on the official college records.
 - 1.1.3.1. You may include the correct pronunciation of any alternative names you use.
 - 1.1.3.2. The audio file type must be available in the current VLC player.
 - 1.1.3.3. The audio file may not be embedded in another file.
 - 1.1.4. Identify if an AI program was used in this lab section. If used, identify the AI program.
- 1.2. All answers must be in pdf file format. Upload each section answer to the D2L Bright Space Assignment section 1.2 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.
 - 1.2.1. Provide evidence of successful installation of **CentOS** in a virtual environment. (host01)
 - 1.2.2. The new host must use logical volume management (lvm) on root. Provide the output of the disk partitioning.
 - 1.2.3. Provide evidence the system hostname01 is a form of your name (host01).
 - 1.2.4. Provide evidence the system is current with updates.
 - 1.2.5. Provide the output of all possible "uname" options.
 - 1.2.6. Provide evidence a firewall is installed. (firewalld is recommended)
 - 1.2.7. Identify if an AI program was used in this lab section. If used, identify the AI program.
- 1.3. All answers must be in pdf file format. Upload each section answer to the D2L Bright Space Assignment section 1.3 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.
 - 1.3.1. Provide evidence of successful installation of the class VPN software on your CentOS VM. (host01)
 - 1.3.2. Provide evidence of successful connection to the class VPN on your CentOS VM.
 - 1.3.3. Provide evidence the system obtains an IPv4 address through DHCP.
 - 1.3.4. Provide evidence the system obtains an IPv6 address automatically.
 - 1.3.5. Identify if an AI program was used in this lab section. If used, identify the AI program.
- 1.4. All answers must be in pdf file format. Upload each section answer to the D2L Bright Space Assignment section 1.4 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.
 - 1.4.1. Provide evidence of successful installation of **Debian derivative** in a virtual environment. (host02)
 - 1.4.2. The new host must use logical volume management (lvm) on root. Provide the output of the disk partitioning.
 - 1.4.3. Provide evidence the system hostname02 is a form of your name.

- 1.4.4. Provide evidence the system is current with updates.
- 1.4.5. Provide the output of all possible "uname" options.
- 1.4.6. Provide evidence a firewall is installed. (firewalld is recommended)
- 1.4.7. Identify if an AI program was used in this lab section. If used, identify the AI program.