

System Maintenance
CPTR 1122
Lab 06

- Contact your instructor with your questions about the assignments.
- The student must insure all the answers are free from any malware.
- The student must ensure 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.
- Plagiarism will not be tolerated.
- Unless noted, all lab sections must be done as unprivileged login.
- Labeling answers is highly recommended.

6. Lab06: Memory and Clock Signals

- 6.1. Upload each answer to the D2L Bright Space Assignment section 6.1 before the due date found in the 1122a.pdf document. Submit a Portable Document Format (PDF) or word processing file containing the following.
 - 6.1.1. All the VMware or similar settings to create a Debian virtual machine.
 - 6.1.2. All the settings requested by the Debian virtual machine installation software. Note, the virtual machine name must be a form of your name.
 - 6.1.3. All the settings set after successful Debian virtual machine installation.
 - 6.1.4. All the programs were installed after the successful Debian virtual machine installation.
 - 6.1.5. A picture of your successful login to the Debian virtual machine.
 - 6.1.6. A picture of your Debian virtual machine output of the command "hostname".
 - 6.1.7. Provide all information about the network connections for the virtual machine.
 - 6.1.8. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.

- 6.2. Upload each answer to the D2L Bright Space Assignment section 6.2 before the due date found in the 1122a.pdf document. Submit a Portable Document Format (PDF) or word processing file containing the following.
 - 6.2.1. Select two different hosts and provide the IP addresses of both hosts.
 - 6.2.2. The successful installation of rslsync or similar peer to peer system on both hosts
 - 6.2.3. The successful connection of both hosts using rslsync or similar peer to peer system.
 - 6.2.4. The successful transfer of data using the peer-to-peer system between both hosts.
 - 6.2.5. Provide a copy of the file exchange log file.
 - 6.2.6. Provide directions on how to use the synchronization on both systems.
 - 6.2.7. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.

- 6.3. Upload each answer to the D2L Bright Space Assignment section 6.3 before the due date found in the 1122a.pdf document. Submit a Portable Document Format (PDF) or word processing file containing the following.
 - 6.3.1. Submit a Portable Document Format (PDF) or word processing file(s) containing the following for two different virtual machines.
 - 6.3.1.1. All the VMware or similar settings to create a virtual machine.
 - 6.3.1.2. All the settings requested by the virtual machine installation software. Note, the virtual machine name must be a form of your name.
 - 6.3.1.3. All the settings set after successful virtual machine installation.
 - 6.3.1.4. All the programs were installed after the successful virtual machine installation.
 - 6.3.1.5. A picture of your successful login to the virtual machine.
 - 6.3.1.6. A picture of your virtual machine output of the command "hostname".
 - 6.3.1.7. Provide all information about the network connections for the virtual machine.
 - 6.3.2. Submit a Portable Document Format (PDF) or word processing file containing the following.
 - 6.3.2.1. All the configuration files necessary for host A to join an ad hoc network.
 - 6.3.2.2. All the configuration files necessary for host b to join an ad hoc network.
 - 6.3.2.3. Evidence both systems are on the same ad hoc network, but not connected to any other network.
 - 6.3.3. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.

- 6.4. Upload each answer to the D2L Bright Space Assignment section 5.4 before the due date found in the 1122a.pdf document. Complete the "Lesson 05 section".
 - 6.4.1. Submit a Portable Document Format (PDF) or word processing file containing the following.
 - 6.4.1.1. Provide a copy of the serial monitor with at least four settings during code operation.

6.4.2. Submit the entire text file of the source code for the lesson including the following.

6.4.2.1. The remarks identify the purpose, outside help credit, author, and creation date.

6.4.2.2. Entire code for the lesson.

6.4.3. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.