

Enterprise Network Technologies
CPTR 2245
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 Lab 06: Cloud Functions and Cloud Run

- 6.1 Upload each answer to the D2L Bright Space Assignment section 6.1 before the due date found in the 2245a.pdf document. Submit a Portable Document Format (PDF) or word processing file(s) containing the following. Put your answer in a single document.
- 6.1.1 Show the installation of the current version of iperf3 or similar on your cloud VM Debian Linux.
 - 6.1.2 Show the installation of the current version of iperf3 or similar on your cloud VM Red Hat Linux.
 - 6.1.3 Provide the results of a speed test between the cloud VM Debian and VM Red Hat Linux on the same network segment.
 - 6.1.4 Provide the results of a speed test between the cloud VM Debian and VM Red Hat Linux on the different network segments.
 - 6.1.5 Provide the results of a speed test with a large file between the cloud VM Debian and cloud VM Red Hat Linux on the same network segment.
 - 6.1.6 Provide the results of a speed test with a large file between the cloud VM Debian and cloud VM Red Hat Linux on the different network segments.
 - 6.1.7 Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used
- 6.2 Upload each answer to the D2L Bright Space Assignment section 6.2 before the due date found in the 2245a.pdf document. Submit a Portable Document Format (PDF) or word processing file(s) containing the following. Put your answer in a single document.
- 6.2.1 Show the modification on the cloud VM Debian virtual machine to install Docker in a new partition.
 - 6.2.2 Show Docker is installed in a new partition.
 - 6.2.3 Show Docker containers operate without root privileges.
 - 6.2.4 Provide your updated Debian documentation reflecting the above changes.
 - 6.2.5 Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used
- 6.3 Upload each answer to the D2L Bright Space Assignment section 5.3 before the due date found in the 2245a.pdf document. Submit a Portable Document Format (PDF) or word processing file(s) containing the following. Put your answer in a single document.
- 6.3.1 Show the modification on the cloud VM Red Hat virtual machine to install Docker in a new partition.
 - 6.3.2 Show Docker is installed in a new partition.
 - 6.3.3 Show Docker containers operate without root privileges.
 - 6.3.4 Provide your updated Red Hat documentation reflecting the above changes.
 - 6.3.5 Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used
- 6.4 Upload each answer to the D2L Bright Space Assignment section 5.4 before the due date found in the 2245a.pdf document. Submit a Portable Document Format (PDF) or word processing file(s) containing the following. Put your answer in a single document.
- 6.4.1 Install the current version of iperf3 or similar on your cloud VM Debian Linux Docker.
 - 6.4.2 Install the current version of iperf3 or similar on your cloud VM Red Hat Linux Docker.
 - 6.4.3 Provide the results of a speed test between the cloud VM Debian Docker and Red Hat VM Linux Docker on the same network segment.
 - 6.4.4 Provide the results of a speed test between the cloud VM Debian Docker and Red Hat VM Linux Docker on the different network segments.
 - 6.4.5 Provide the results of a speed test with a large file between the cloud VM Debian Docker and cloud VM Red Hat Linux Docker on the same network segment.

- 6.4.6 Provide the results of a speed test with a large file between the cloud VM Debian Docker and cloud VM Red Hat Linux Docker on the different network segments.
- 6.4.7 Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used