

Enterprise Network Technologies
CPTR 2245
Lab 09

- 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.
- Embedding documents within documents does not work with the D2L Bright Space assignments.
- All videos must be viewable in the VLC player.

Lab 09: Getting Organized with Initial Audit of the Network & Locking Down the Infrastructure Internet

- 9.1 Each part is worth six points for a maximum of twenty-five points. Upload each section answer to D2L Bright Space Assignment section 9.1 before the due date found in the 2245a.pdf document. The text must be readable by the instructor. Submit a Portable Document Format (PDF) or word processing file containing your answers.
- 9.1.1 Provide evidence of successfully completing the following Qwiklabs Quest, Exploring Data with Looker (7 hours – Free)
- 9.1.1.1 Creating a Looker Modeled Query and Working with Quick Start
 - 9.1.1.2 Looker functions and Operators
 - 9.1.1.3 Exploring Data with Looker: Challenge Lab
- 9.1.2 Provide the URL showing your earned the badge. If you were not able to finish the quest, explain the troubleshooting you did to resolve the problem(s).
- 9.2 Each part is worth four points for a maximum of twenty-five points. Upload each section answer to D2L Bright Space Assignment section 9.2 before the due date found in the 2245a.pdf document. The text must be readable by the instructor. Submit a Portable Document Format (PDF) or word processing file containing your answers.
- 9.2.1 Provide evidence of successfully completing the following Qwiklabs Quest, Measure Site Reliability using Cloud Operations Suite (24 hours – 9 credits)
- 9.2.1.1 Troubleshooting Workloads on GKE for Site Reliability Engineers
 - 9.2.1.2 Identifying and Resolving Application Latency for Site Reliability Engineers
 - 9.2.1.3 Debugging Applications for Site Reliability Engineers
 - 9.2.1.4 Using Cloud Error reporting to Remediate Workload Issues on GKE
 - 9.2.1.5 Measure Site Reliability using Cloud Operations Suite: Challenge Lab
- 9.2.2 Provide the URL showing your earned the badge. If you were not able to finish the quest, explain the troubleshooting you did to resolve the problem(s).
- 9.3 Each part is worth three points for a maximum of twenty-five points. Upload each section answer to D2L Bright Space Assignment section 9.3 before the due date found in the 2245a.pdf document. The text must be readable by the instructor. Submit a Portable Document Format (PDF) or word processing file containing your answers.
- 9.3.1 Provide evidence of successfully completing the following Qwiklabs Quest, Google Workspace for Education (7 hours – 6 credits)
- 9.3.1.1 Google Workspace for Education: Getting Started
 - 9.3.1.2 Google Workspace for Education: Managing Services
 - 9.3.1.3 Setting Up Google Meet for Distance Learning
 - 9.3.1.4 Managing Google Classroom
 - 9.3.1.5 Teaching with Google Classroom
 - 9.3.1.6 Google Workspace for Education: Challenge Lab
- 9.3.2 Provide the URL showing your earned the badge. If you were not able to finish the quest, explain the troubleshooting you did to resolve the problem(s).
- 9.4 Each part is worth six points for a maximum of twenty-five points. Upload each section answer to D2L Bright Space Assignment section 8.4 before the due date found in the 2245a.pdf document. The text must be readable by the instructor. Submit a Portable Document Format (PDF) or word processing file containing your answers.
- 9.4.1 Provide the make, model, and specifications of two 100 GB or greater SANS solutions.
 - 9.4.2 Provide a diagram showing how each proposed solution connects to servers.
 - 9.4.3 Explain how each solution resists down time.

9.4.4 Explain how each solution is energy efficient.

9.4.5 This may be done as a group of three. Groups must include the group worksheet with the answers. All members of the group must upload the all the answers.