Unit 1 - Individual Project

Assignment Overview	Go To:
Type: Individual Project **Unit:** Network Design **Due Date:** Sun, 8/14/16 **Grading Type:** Numeric **Points Possible:** 150 **Points Earned:** 0 **Deliverable Length:** 8 pages that include 4 empty sections with headings	• **Assignment Details** • Scenario • Learning Materials • Reading Assignment **My Work:** Online Deliverables: Submissions

Assignment Details

Assignment Description

Throughout this course, you will work on several aspects of network design and configuration that will result in a complete network design and configuration document for the scenario that is described below. You will not configure a real network, but you will work extensively with the concepts of good network design and configuration practices. Additional information and the deliverables for each Individual Project will be provided in the assignment description for the project.

For this course, your projects will be for a company named RL Medical Imaging (RLMI). This company provides imaging services (MRIs, CAT scans, etc.) for physicians in the greater New York metropolitan area. The company has 50 clients with an average of 10 patients per week, per client, and it expects to grow at a rapid pace during the next 5 years. The company's clients schedule imaging for their patients. Patient information is currently delivered to RLMI as paper documents. Imaging is performed, and the results are recorded (again on paper) and sent back to the client.

The goal for RLMI is to transform its current paper system to a computerized system and create a network with appropriate servers and workstations to support the required software and staff. In addition, RLMI would like to provide scheduling and results services via the Web to its clients. The company has 20 staff members (10 imaging technicians, 3 doctors, 1 sales and customer service representative, and 6 clerical staffers). The average results package (data and images) is 50 MB in size. The company must protect patient data because of federal patient-privacy laws, so security measures are important. In addition, the patient records are valuable, and the imaging is expensive, so it is important that a solid data backup process is in place.

Assignment:

For the assignments in this course, you will not implement the actual network, but you will develop a comprehensive network design and configuration document. Your first task for the project is to create the shell document for the final project deliverable that you will work on for each unit. As you proceed through each project phase, you will add content to each section of the final document to gradually complete the final project.

Your first version of the network design and configuration document will also include a suitable network design. Review the project background, develop a design for a network that will meet the needs of the organization, and follow the guidelines under the Network Design section of the document outline for specific deliverables. Assumptions may be made where necessary, but they should be stated in the document.

The project deliverables include the following:

- Network Design and Configuration document shell
  - Word document
  - Title page
    - Course number and name
    - Project name
    - Student name
    - Date
- Table of contents
  - Use auto generated TOC
  - Separate page
  - Maximum of 3 levels deep
  - TOC fields should be updated before submitting your project
  - Section headings
    - Create each heading on a new page with TBD as content, except for sections listed under "New content."
      - Network Design
      - Server and Workstation Operating Systems
      - Network Protocols
      - Users and Security
      - Backup and Recovery
- New content
  - Network Design
    - Include a network diagram that identifies the major hardware components of the network and illustrates the connections between the components.
    - Include a written discussion of the network design to justify the design you have chosen.
    - Include a cost summary of the proposed network, including the hardware and time that is required for installation and configuration.

Adhere to APA formatting and reference guidelines when writing your response. Additionally, your response should be free of grammatical errors, use complete sentences, and give specific details to support statements.

Please submit your assignment.

For assistance with your assignment, please use your text, Web resources, and all course materials.

Reading Assignment

None

Assignment Objectives

- Develop practical job skills that balance theoretical concepts.
- Integrate multiple server and workstation platforms in a single network environment.
- Work as a productive member of a work team.
- Acquire professional discipline, skills, and knowledge.
- Analyze the importance of good work habits and ethical behavior.
- Develop written and oral presentation skills.

Other Information

There is no additional information to display at this time.

Legend

⭐ Extra Credit   🖼 View Assignment Rubric