

Week 4: Week 4 - W4 Assignment 2

DROPBOX DELIVERY REQUIRED

Please use the appropriate basket in the Dropbox area to deliver materials required for this assignment.

Technical Su

© 2014

Assignment 2: Dropbox Assignment

Online Lab and Course Project

This assignment consists of two parts:

1. Online TestOut Hands-on Lab 4
2. Part 4 of the course project

TestOut Hands-on Lab 4

To complete this lab:

1. Login to your TestOut account.
2. Then, complete the following labs:
 - a. 6.4.4 Create a Wireless Network
 - b. 7.2.5 Connect to a DSL Network

Note: Remember, to be able to do these labs correctly, you are encouraged to review the materials provided under TestOut sections.

3. Once you complete your lab, click **Done** for your score to be submitted. You can do each lab up to three times. The average score will be considered.

Course Project—Part 4

Start Here

In this assignment, you will study the need for understanding user requirements before designing a network and the IP addressing schemes required by the networks to communicate.

Using the South University Online Library or the Internet, research about the following:

- TCP/IP

- NOS and the services they provide

Continuing with the scenario you worked with in **Weeks 1–3**, this week, you will complete the following tasks:

- If required, modify the plan created in **W3 Assignment 2** to accommodate suggestions and recommendations from your instructor and your own changes based on the readings and activities for this week. Color code your additions or modifications so that the changes are easy to identify.
- Prepare a preinstallation document that captures the requirements for the Dreamz Inc. network.
- Analyze and describe the cost factor for each hardware and software component of the network.
- Mention the IP classes that can be used in the private network of Dreamz Inc. and why.
- Design the IP addressing scheme for the Dreamz Inc. network.
- Assess whether additional IP addresses are required to connect to the Internet or the network can simply connect to the Internet. Give reasons for your answer.
- Design the IP addressing for hundred users on the third floor. You should use minimal number of IPs while designing. Use the class C addresses.
- Create eight IP subnets and each IP subnet should suffice for twenty-two users. Use the class B private IP addresses. Also, define the broadcast address for the fourth subnet.

Prepare and post a 2- to 3-page report using Microsoft Word to document your work. It is important to pay close attention to the page limit.

✓ Support your work with examples.

✓ Cite any sources in APA format.

Submission Details

Name your report SU_ITS2103_W4_A2_LastName_FirstInitial.doc.

END

Assignment 2 Grading Criteria

Maximum Points

Prepared a preinstallation document that captures the requirements for the Dreamz Inc. network.

5

Analyzed and explained the cost factor for each hardware and software component.

5

Recommended the IP classes for the private network of Dreamz Inc., and provided an appropriate rationale for your recommendation.

5

Designed the IP addressing scheme for the network.

5