# Week 1: Week 1 - W1 Assignment 3

Need Finished By 10:00 pm on 9.16.14. Thanks.

DROPBOX DELIVERY REQUIRED

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

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Maybe 1 or 2 pages.

## Assignment 3: Dropbox Assignment

**Online Lab and Course Project**

This assignment consists of two parts:

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

**TestOut Hands-on Lab 1**

To complete this lab:

1. Login to your TestOut account.
2. Then, complete the following lab:
    a. 1.4.4 Configure TCP/IP Settings Lab.

**Note**: This lab is listed in the Networking Basics section. Remember, to be able to do this lab correctly, you are encouraged to review the materials provided under the Networking Basics section of your TestOut account.

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 I**

In the course project, you will create a network design for a fictitious organization. Each week, you will be completing a part of the assignment based on the content covered in the week. You will do this by adding new content to the assignment document every week to arrive at the final design.

*This week's assignment will enable you to develop the skills for designing a network. The focus will be on the considerations and tasks required for designing a network.*

**Scenario**

Dreamz Inc. develops software and learning solutions for clients worldwide. The main office of the organization is located on six floors of a building in Chicago where hundred users occupy each floor. While the first floor houses the corporate office, the other floors house the administrative, finance, human resources (HR), engineering, marketing, information technology (IT), and research departments. All users need e-mail, file and print, and Internet services.

To provide these services, the organization has ten servers that are used as LAN, proxy, and database servers. The users in the finance and HR departments require sufficient bandwidth and access applications from an Oracle server. This server is accessible only to users in the finance and HR departments; and these users can also access the server from the Internet. Dreamz Inc. is also connected to the Internet from the same network and has web and e-mail servers hosted for Internet access.

With expanding business, Dreamz Inc. has setup three branch offices in St. Louis, Detroit, and New Jersey. These three branch offices need to be connected to the main office and other branch offices. A fourth office at San Francisco comprises a network of five users and requires a single Internet connection.

**Tasks**

As the network manager for the organization, you need to design the networks for connecting various branches of the organization.

You also need to study the requirements of each branch of the organization. In addition, you need to ensure that the network uptime is 99% with a downtime of not more than five hours.

Having read and understood the scenario, complete the following task and post a 1- to 2-page report using Microsoft Word to document your work:

- Recommend a network model and give reasons for your selection.

Support your work with examples.

Cite any sources in APA format.

**Submission Details**

Name your report SU_ITS2103_W1_A3_LastName_FirstInitial.doc.

Submit your report to the **W1 Assignment 3 Dropbox** by **Tuesday, September 16, 2014**.

| **Assignment 3 Grading Criteria** | **Maximum Points** |
|---|---|
| Designed an appropriate network for connecting various branches of the organization. | 15 |
| Recommended a network model, giving reasons for the same. | 15 |
| Completed all the assigned tasks for Hands-on Lab 1. | 15 |
| Used correct spelling, grammar, and professional vocabulary. Cited all sources using APA format. | 5 |
| **Total:** | **50** |