

## Week 2: Week 2 - W2 Assignment 2

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### DROPBOX DELIVERY REQUIRED

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

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## Assignment 2: Dropbox Assignment

### Online Lab and Course Project

This assignment consists of two parts:

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

### TestOut Hands-on Lab 2

To complete this lab:

1. Login to your TestOut account.
2. Then, complete the following labs:
  - a. 2.1.3 Connect to an Ethernet Network
  - b. 3.1.3 Select and Install a Network Adapter
  - c. 3.2.4 Select a Networking Device

**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 2

In this assignment, you will study the hardware components, the network, and connection media specifications that make a network function optimally.

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

- Hardware and software components used for networks

- Connection media specifications for networks

Continuing with the scenario you worked with in **W1 Assignment 3**, in which you designed a network for Dreamz Inc.; this week, you will complete the following tasks:

- If needed, modify the plan created in **W1 Assignment 3** 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.
- Select the hardware and software components to build the LAN. Make sure you do not select two different components to perform the same function.
- Select the hardware and software components to build the WAN such that Dreamz Inc. can connect to other public and private networks.
- In the branch office of Dreamz Inc. at Detroit, each user is a highly billable resource and the company cannot afford the unavailability of any user due to a network problem. Each user needs at least 100 Mbps connection speed. Select the network equipment that you will use for this branch office and explain why.
- Select the specification of the connection media to be used and state the reasons for selecting it.

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_W2_A2_LastName_FirstInitial.doc`.

Submit your report to the **W2 Assignment 2 Dropbox** by **Tuesday, September 23, 2014**.

<b>Assignment 2 Grading Criteria</b>	<b>Maximum Points</b>
Recommended the appropriate hardware and software components to build the LAN.	10
Recommended the appropriate hardware and software components to build the WAN.	10
Recommended the appropriate network design for the Detroit branch office.	10
Completed all the assigned tasks for Hands-on Lab 2.	15
Used correct spelling, grammar, and professional vocabulary. Cited all sources using APA format.	5
<b>Total:</b>	<b>50</b>