CSIS 330 – Lab 17: Packet Tracer

Skills Integration

*[Activity from Cisco Networking Academy Lab Packet Tracer Activity 2.4.1.2 ]*

**This entire exercise comes from the Cisco Networking Academy.**

**Background:**

This Packet Tracer is a pre-programmed activity that includes embedded instructions as well as a partially built topology. Using the instructions that are embedded in the Packet Tracer, you will complete this topology by configuring initial settings on two switches using the Cisco IOS and configuring IP address parameters on host devices to provide end-to-end connectivity. You are to use two switches and two hosts/PCs on a cabled and powered network.

Because this Packet Tracer activity is part of the Cisco Networking Academy’s curriculum, there are differences between the point values reflected in the instructions and the actual points you can earn for this assignment in this class. Refer to the rubric in Blackboard for the number of points allocated to each task in this lab.

**Assignment Instructions:**

Refer to the embedded instructions in the Packet Tracer file to perform the steps necessary to complete this assignment. You can use the Check Results button at the bottom of the instructions to check your progress.

This activity should be fun. It requires basic knowledge of configuring switches and PCs. More importantly, it illustrates that you now have the ability to configure a simple network. If you need to refresh on the IOS commands, refer to Chapter 2 in your textbook.

**As a helpful hint, you will not be able to click directly on the Switches to configure them. Instead, you will need to connect a Console cable between each switch and its connected PC. To access the IOS command line, you must click on the PC, then its Desktop tab, and click the Terminal button. After accepting the defaults on the screen, you will be presented with the IOS command line for the switch where you can enter your configuration information.**

I hope you enjoy this assignment and feel confident in knowing you have been exposed to the foundations of the field of data networking and communications. It’s been an exciting journey, and I pray you have enjoyed this course.

**When you have completed configuring this network, save your Packet Tracer file using the naming convention used for this class:**

[your first initial + your last name] + “\_Lab17” (do not include the quotation marks)

For example, Joe Smith will save his file for this lab using the filename “JSmith\_Lab17”.

**Deliverables**:

**Submit your assignment by attaching your Packet Tracer file to the appropriate assignment link in Blackboard.**