CSIS 330 – Lab 16: Packet Tracer

Verifying IPv4 and IPv6 Addressing

*[Activity from Cisco Networking Academy Lab Packet Tracer Activity 8.3.2.5 ]*

**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 fully configured topology. Using the instructions that are embedded in the Packet Tracer, you will investigate a dual-stack implementation including documenting the IPv4 and IPv6 configuration for end devices, testing connectivity for both IPv4 and IPv6 using **ping**, and tracing the path from end to end for IPv4 and IPv6.

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:**

Part 1 of the embedded instructions requires you to complete an Addressing Table documentation for the Packet Tracer network. To complete this part of the lab, refer to the instructions that are embedded within the Packet Tracer file.

Parts 2 and 3 require you to test the network using various OS commands. Questions are included in each activity. No screen captures are required in this assignment; however, a Word Answer template is provided for you to enter your addressing documentation and answers to the questions.

**Save your Template**

After you have completed the addressing table and answered the questions in the instructions, save your Answer Template using the convention of [your first initial] + [your last name] + “\_Lab16”.

For example: Joe Smith will save his file template as JSmith\_Lab16.doc .

**Deliverables**: **Submit your assignment by attaching your Answer Template to the appropriate assignment link in Blackboard.**