Assign#2: Exploring the Network

For this exercise, you will complete the steps as outlined in the Packet Tracer project **1.2.4.4**. Before starting, ensure that you review all of the instructions below as they modify the steps that have been integrated into the project file. <u>If required</u>, ensure that the screenshots you make at each of specified points in the assignment are to specification. When indicated, a <u>full screen shot</u> must include the ENTIRE SCREEN of your workstation, including the toolbar. **Snippets of the screen will not be considered sufficient when a full screen shot has been specified**.
The screenshots and your answers to the specified questions are to be entered into a **Microsoft Word** document. Submission must include BOTH a copy of the Word document (.docx) and a copy of the Packet Tracer project file (.pka) attached to this Assignment within Blackboard.

Preparation
- Open the attached MS Word worksheet document (**Assign#2-Wrksht.docx**) and save it to *your drive*. Record ALL answers and screenshots within this document.
    - o **NOTE: you must use the attached worksheet file for your submission**
- Save the .docx file to either your personal computer's drive OR to *your Home Folder (G:)* on the College network
- Open the Packet Tracer project file **1.2.4.4 – Representing the Network.pka** that is attached to this assignment within Blackboard.
- At the *netacad.com Login* page:
    - o IF you have rec'd the e-mail invitation from the Networking Academy Team noreply@netacad.com, then follow these instructions to log in to the academy and download & install Packet Tracer
    - o IF you have NOT yet received the e-mail invitation, then follow these directions:
        - ▪ Use the Georgian AppsAnywhere service to locate and run Packet Tracer application
            - Search for "Georgian AppsAnywhere" to find the login screen
        - ▪ At the *netacad.com Login* page, click on the **Guest Login** button at the bottom right of the window
        - ▪ Close the *Introduction to Packet Tracer* web page that is displayed
        - ▪ After a few seconds delay, the **Confirm Guest** button becomes active at the bottom right of the netacad.com Login screen. Click this button to start Packet Tracer
        - ▪ Click **Cancel** at the User Profile dialog that appears
- Save the .pka file to either your personal computer's drive OR to *your Home Folder (G:)* on the College network

Part 1: Overview of the Packet Tracer Program
- Complete this exercise (no modifications to instructions).
- Record the following answers into your Word document:
    - o Step 1 c
    - o Step 2 f (3 parts)

Part 2: Exploring LANs, WAN, and Internets

- Complete this exercise with the following modifications:
  - **Step 1 a):** The icon toolbar referenced is along the bottom left of the screen
  - **Step 1 b):** Ensure that the **[Network Devices]** category is selected. The intermediate devices are located at the bottom left of the window
- Record the following answers into your Word document:
  - Step 1 b, c, d, e, f, g, h
  - Step 3 b, c

Challenge

- Complete only the first 2 bullet points in the Challenge with the following modifications:
  - Add an end device to the topology and connect it to one of the LANs with a media connection. Once you have connected the device, **rename** the device to be the same as **your student number.**
  - Add a new intermediary device to one of the networks and connect it to one of the LANs or WANs with a media connection. Once you have connected the device, **rename** the device to be the same as **your first name.**

Conclusion

- In Packet Tracer, save a copy of your Packet Tracer project
  - you may select any name of your choosing
- Save and close your MS Word document file
  - Important: If you do not save the MS Word file before submission, the version submitted may not be the same as what is currently displayed.

Review the Rubric attached to this assignment to ensure that you have completed all of the requisite steps. The *Suggested Scoring Rubric* attached to the Packet Tracer project file is not the rubric that is used for grading your submission.

Attach BOTH the completed **MS Word (.docx)** document as well as the completed **Packet Tracer (.pka)** project to this Assignment within Blackboard and submit when complete.