

Assign#8: IP Addressing

For this exercise, you will complete the steps as outlined in the Packet Tracer project **7.3.2.5**. Before starting, ensure that you review all of the instructions below as they modify the steps that have been integrated into the project file. If required, ensure that the screenshots you make at each of specified points in the assignment are to specification. When indicated, a full screen shot 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 for 7.3.2.5

- Open the attached MS Word worksheet document (**Assign#8-Wrksht.docx**) and save it to *your drive*. Record ALL answers and screenshots within this document.
 - **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 attached packet tracer file (**7.3.2.5 – Verifying IP Addressing.pka**)

NOTE: Refer to the attached file: **7.3.2.5 - Verifying IP Addressing-Instructions.pdf**

Part 1: Complete the Addressing Table Documentation

- Complete this exercise.
- Record the information into the Word worksheet document:
 - Step 1 b, d
 - Step 2 a, b

Part 2: Test Connectivity Using Ping

- Complete this exercise with the following modifications:
- Record the following answers into the Word worksheet document:
 - Step 1 a, b
 - Step 2 a, b
 - Follow the special directions (Step 3) specifying the procedure for creating a full screen shot as outlined in the file **7.3.2.5 - Verifying IP Addressing-Instructions.pdf**

Part 3: Discover the Path by Tracing the Route

- Complete this exercise.
- Record the following answers into the Word worksheet document:
 - Step 1 a-1, a-2, b-1, b-2
 - Step 2 a-1, a-2, b-1, b-2

Conclusion

- In Packet Tracer, use the **Save As ...** command in the **File** menu to save a copy of your Packet Tracer project to ***your drive (Home Folder (G:))***
 - 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 specified to this Assignment within Blackboard and submit when complete.