# Assign#4: Investigating the TCP/IP and OSI Models

For this exercise, you will complete the steps as outlined in the Packet Tracer project **3.2.4.6**. 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 for 3.2.4.6

- Open the attached MS Word worksheet document (**Assign#4-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 attached packet tracer file (**3.2.4.6 – TCP-IP and OSI.pka**)
- Change the *display name* of the **Web Server** to **Web Server ####** where #### represents the last 4 digits for *your student number*
- Change the *display name* of the **Web Client** to **Web Client ####** where #### represents the last 4 digits for *your student number*

**NOTE:** Refer to the attached file: **3.2.4.6 – TCP-IP and OSI-Instructions.pdf**

## Part 1: Examine HTTP Web Traffic

- Complete this exercise with the following modifications:
    - o **Step 3 j** : Complete this step. Do NOT close any windows
    - o Rearrange the Packet Tracer windows so that both the PDU Information window AND both the Web Server and Web Client images are visible, then take a **FULL Screen Shot** and paste it into the Word document you are using for the answers to this assignment
- Record the following answers into your Word document:
    - o Step 3 b, c, d, e, f, h, i, j

## Part 2: Display Elements of the TCP/IP Protocol Suite
- Complete this exercise with the following modifications:
  - **Step 1 f** : Complete this step. Do NOT close any windows
  - Rearrange the Packet Tracer windows so that both the **PDU Information** window AND the **Simulation Panel** window is visible, then take a <u>**FULL Screen Shot**</u> and paste it into the Word document you are using for the answers to this assignment
- Record the following answers into your Word document:
  - Step 1 b, d, e, f

Note: Challenge section is not required for this assignment


## Conclusion
- In Packet Tracer, use the **Save As …** command in the **File** menu to save a copy of your Packet Tracer project (3.2.4.6) to *your drive*
  - 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.

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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 <u>not</u> 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.

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