**NETW202 Week 1 Lab Report**

Create your report using the template and submit it to the Week 1 Dropbox by the due date. Use the reference documents and websites as required to complete the iLab questions.

In order to be eligible to receive full credit, you must write in complete sentences and use the lab report template. Answers that are not written in complete sentences will receive point deductions.

Use a red-colored font for you answers. Answers that are not written in complete sentences will receive point deductions. You are to add in any references you do use. Please Support all of your decisions.

In order to be eligible to receive full credit, you must write in complete sentences and use the lab report template. You are to take off the cover of the template because this is a page of instructions, but include your header.

Place your answers in the template below the questions. Remove any graphics or explanations so that your deliverable has questions and your answers only.

Remember, if you don’t use the template or complete the header, you will have a 2-point deduction on your grade for this assignment.

**Your Name  
NETW202, Professor’s Name  
Current Date  
iLab #1**

Step-by-step instructions for completing this iLab are found within the Skillsoft platform as outlined on the iLab page in the course shell.

**Lab Grading Rubric**

|  |  |  |
| --- | --- | --- |
| **Category** | **Points** | **Description** |
|  |  |  |
| **Section 1**  **Using Windows Applications as Network Tools**—17 points   * + Task 1, Step 3   + Related explanation or response   + Task 1, Step 7   + Related explanation or response   + Task 1, Step 19   + Related explanation or response   + Task 1, Step 22   + Related explanation or response   + Summary Paragraph | 1  1  1  1  1  1  1  1  9 | Required screenshot  Answer the question or provide the required observation when requested.  In your own words, summarize what you have learned concerning network commands available within the Windows operating system. |
| **Section 2**  **Troubleshooting TCP/IP Problems Lab**—18 points   * + Task 1, Step 1   + Related explanation or response   + Task 2, Step 2   + Related explanation or response   + Task 2, Step 3   + Related explanation or response   + Task 3, Step 1   + Related explanation or response   + Summary paragraph | 1  1  1  1  1  1  1  1  10 | Required screenshot  Answer the question or provide the required observation when requested.  In your own words, summarize what you have learned about the network monitor. |
| Total | 35 |  |

***NOTE: Please write your answers to each question in a different color font to make this easier for the professor to grade.***

**Using Windows Applications as Network Tools Lab** (17 points)

Write a paragraph (minimum five college-level sentences) below that summarizes what was accomplished in this iLab; what you learned by performing it; how it relates to this week’s TCOs and other course material; and just as important, how you feel it will benefit you in your academic and professional career. (9 points)

Copy and paste the following screenshots from your Using Windows Applications as Network Tools iLab below.

Task 1, Step 3: Paste a screenshot of the *ipconfig* command showing your network addressing. (1 point)

After reading the explanation for this command in the Sample Solution, explain why the output of this command is so important to the operation of this particular host within the network. (1 point)

Task 1, Step 7: Paste a screenshot of the *ping* command showing a successful ping. (1 point)

After reading the explanation for this command in the Sample Solution, explain what it means if a *ping* command is successful. (1 point)

Task 1, Step 19: Paste a screenshot of the output of the *ipconfig /all* command. (1 point)

What are some of the additional parameters that are listed here that weren’t displayed in the previous use of the command? (1 point)

Task 1, Step 22: Paste a screenshot of the *trace route* command showing a successful trace to IP address 4.2.2.1. (1 point)

After reading the explanation for this command in the Sample Solution, in your own words, explain what the output of the *tracert* command indicates. (1 point)

**End iLab**

**Troubleshooting TCP/IP Problems iLab** (18 points)

Write a paragraph (minimum five college-level sentences) below that summarizes what was accomplished in this lab; what you learned by performing it; how it relates to this week’s TCOs and other course material; and just as important, how you feel it will benefit you in your academic and professional career. (10 points)

Copy and paste the following screenshots from your Troubleshooting TCP/IP Problems iLab below.

Task 1, Step 1: Paste a screenshot of your successful logon to the Vancouver server as the VancouverUser. (1 point)

Briefly describe the process used to log in to the server. (1 point)

Task 2, Step 2: Generate and view network traffic, Action f. Paste the screenshot of the *ping* command output of IP address 192.168.0.2 (1 point)

What is significant about receiving a “reply” from the host you are pinging? (1 point)

Task 2, Step 3: Paste a screenshot of the results from your network data capture. (1 point)

At this point in your education, you probably won’t understand the details of the information that you just captured, but in general, what do you think is pictured in the data capture? (1 point)

Task 3, Step 1: Paste the screenshot of the Microsoft Network Monitor capture summary window showing the ICMP frames displayed in red. (1 point)

What command do you think caused the generation of the ICMP packets? (1 point)

**End iLab**