

IFT 166 Introduction to Internet Networking

Lab 2

Connecting at OSI Layers 2, and 3 & Network Configuration

Note: If possible, try to complete this lab where you have multiple computers on the same network

Connecting at OSI Layers 2, and 3

Objectives

- To investigate network connections at OSI Layers 2 and 3
- To determine network addressing information on a Windows 8 PC

Boot into Windows operating on a computer (couldn't care which one).
You can also attempt this lab on a MAC (might be a little trickier).

OSI Layer 2 (Data Link layer): Investigating MAC addresses

1. In the Network and Sharing Center, click on Change adapter settings. Right-click one of the network adapter icons and choose Status, then click Details. Look for the MAC address (called the "Physical address") in the window that appears. What is the MAC address of this network adapter?

2. Right-click the other network adapter icon. What is the MAC address of the other network adapter?

3. You can also determine the MAC address from the command prompt. Open the command prompt by typing "cmd" in the metro window.
4. At the command prompt, type ipconfig /all. Scroll up and adjust the window size so you can see the information for both of your network adaptors. Locate the MAC addresses (Physical addresses) for the two network adaptors. Do these match the ones you determined previously?

Introduction To Networking Lab Answers

Sebastian Brünink



Introduction To Networking Lab Answers:

Decoding **Introduction To Networking Lab Answers**: Revealing the Captivating Potential of Verbal Expression

In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Introduction To Networking Lab Answers**," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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