

# Wireshark Ethernet Lab Answers

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### **Wireshark Ethernet Lab Answers**

5.1.1.7 Lab - Using Wireshark to Examine Ethernet Frames  
Answers Lab - Using Wireshark to Examine Ethernet Frames  
(Answers Version - Optional Lab) Answers Note: Red font color or gray highlights indicate text that appears in the instructor copy only. Optional activities are designed to enhance understanding or to provide additional practice or both.

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### **5.1.1.7 Lab - Using Wireshark to Examine Ethernet Frames ...**

In the first part of this lab, you will review the fields contained in an Ethernet II frame. In Part 2, you will use Wireshark to capture and analyze Ethernet II frame header fields for local and remote traffic. Answers Note: This lab assumes that the student is using a PC with internet access. It also assumes that Wireshark has been pre-installed on the PC.

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been pre-installed on the PC.

### **7.1.6 Lab - Use Wireshark to Examine Ethernet Frames Answers**

Answers Note: This lab assumes that the student is using a PC with internet access and can ping other PCs on the local area network. Using a packet sniffer such as Wireshark may be considered a breach of the security policy of the school. It is recommended that permission be obtained before running Wireshark for this lab.

### **3.7.10 Lab - Use Wireshark to View Network Traffic Answers ...**

Answers Note: This lab assumes that the student is using a PC with internet access and can ping other PCs on the local area network. Using a packet sniffer such as Wireshark may be considered a breach of the security policy of the school. It is

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recommended that permission be obtained before running Wireshark for this lab.

### **3.4.1.2 Lab - Using Wireshark to View Network Traffic Answers**

Wireshark is decoding some of these bits in the OUI (Organizationally Unique Identifier) portion of the address to tell us the vendor of the NIC, e.g., Dell for the source address. • There is a Type field. For the ping messages, the Ethernet type is IP, meaning the Ethernet payload carries an IP packet.

### **Lab Exercise - Ethernet**

Open the ethernet-ethereal-trace-1 trace file in <http://gaia.cs.umass.edu/wireshark-labs/wireshark-traces.zip>. The first and second ARP packets in this trace correspond to an ARP request sent by the computer running Wireshark, and the ARP reply sent to the computer running Wireshark by the

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computer with the ARP-requested Ethernet address.

### **Solution to Wireshark Lab: Ethernet and ARP**

Wireshark Lab: Ethernet & ARP SOLUTION Supplement to Computer Networking: A Top-Down Approach, 7th ed., J.F. Kurose and K.W. Ross ... Where in the ARP message does the “answer” to the earlier ARP request appear – the IP address of the machine having the Ethernet address whose

### **Wireshark Ethernet ARP SOLUTION v7 - USP**

- Since this lab is about Ethernet and ARP, we're not interested in IP or higher- layer protocols. So let's change Wireshark's “listing of captured packets” window so that it shows information only about protocols below IP. To have Wireshark do this, select Analyze->Enabled Protocols. Then uncheck the IP box and select OK.

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### **Wireshark Lab: Ethernet and ARP**

1. Start up Wireshark and begin packet capture (Capture->Start) and then press OK on the Wireshark Packet Capture Options screen 2. If you are using a Windows platform, start up pingplotter and enter the name of a target destination in the "Address to Trace Window."

### **Wireshark Lab 6: Internet Protocol | Maxwell Sullivan ...**

1. What is the 48-bit Ethernet address of your computer? The 48 bit ethernet address of my computer is 00:22:5f:99:b6:64 2. What is the 48-bit destination address in the Ethernet frame? Is this the Ethernet address of gaia.cs.umass.edu? (Hint: the answer is no). What device has this as its Ethernet address? [Note: this is an...

### **Wireshark Lab Ethernet and ARP | ecsusamunderhill**

Answers Note: This lab assumes that the student is using a PC

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with internet access and can ping other PCs on the local area network. Using a packet sniffer such as Wireshark may be considered a breach of the security policy of the school. It is recommended that permission be obtained before running Wireshark for this lab.

### **3.7.10 Lab - Use Wireshark to View Network Traffic Answers ...**

Answers Note: This lab assumes that the student is using a PC with internet access and can ping other PCs on the local area network. Using a packet sniffer such as Wireshark may be considered a breach of the security policy of the school. It is recommended that permission be obtained before running Wireshark for this lab.

### **3.4.1.2 Lab - Using Wireshark to View Network Traffic Answers**



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5.1.1.7 Lab - Using Wireshark to Examine Ethernet Frames.docx.  
Sign In ...

### **5.1.1.7 Lab - Using Wireshark to Examine Ethernet Frames.docx**

For this wireshark lab I am exploring Ethernet frames. ... The value of the opcode field within the ARP-payload part of the Ethernet frame is reply(2) C)The “answer” to the earlier ARP request is found in the Target IP address field. 14. The hexadecimal values in for the source and destination address in the ARP reply is

### **Wireshark 6 Ethernet (802.3) and ARP | gharp1**

Introduction to Networks v7.0 ITN - 7.1.6 Lab - Use Wireshark to Examine Ethernet Frames .docx file:

<https://drive.google.com/file/d/1dEnKnWJuMjP8hh5SvIhODbN...>

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### **7.1.6 Lab - Use Wireshark to Examine Ethernet Frames**

View Lab Report - LAB 3.4.1.2 Answer Sheet.docx from TECH 65 at San Jose State University. LAB 3.4.1.2 - Using Wireshark to View Network Traffic Answers Record your answers to each of the question

### **LAB 3.4.1.2 Answer Sheet.docx - LAB 3.4.1.2 Using Wireshark...**

4.4.2.8 Lab - Using Wireshark to Examine Ethernet Frames (Instructor Version) Mininet Topology Objectives Part 1: Examine the Header Fields in an Ethernet II Frame Part 2: Use Wireshark to Capture and Analyze Ethernet Frames Background / Scenario When upper layer protocols communicate with each other, data flows down the Open Systems ...

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