INFO1385 Practice Exercise
Data Encapsulation Lab

Overview

This exercise provides you with practical experience interpreting encapsulation header content using the Wireshark application.

Exploring encapsulation headers

Use the Wireshark application on your desktop/laptop to complete the following work. Download the yahoo.pcap file from the Introduction to Ethernet module in the course shell on eConestoga and open it in Wireshark.

Find the following general information

Number of frames captured:	40
Elapsed time of the capture:	350 10.104620

Find information about the frame initiating contact with www.yahoo.com :

Select frame 12	
Total bytes that comprise the frame:	3752 bits
IP address of the computer requesting the yahoo home page:	00:1c:co:ac:b7:45
IP address of www.yahoo.com:	00:22:6b:69:e8:be
Source port of the TCP segment:	1459
Target port of the TCP segment:	80
Number of bytes contained in the segment:	462
The exact command sent to www.yahoo.com:	
Name and version of the web browser:	Internet Protocol Version 4
Name and version of the operating system:	
Language acceptable to the web browser:	HTTP
Character set(s) acceptable to the web browser:	469 GET