

Computer Science and Engineering Department, SVNIT, Surat
B.Tech.-III, Semester-V
Computer Networks(CS303)
Lab Assignment - 2

Study the Wireshark and prepare a report for the following:

1. Packet sniffer and its structure.
2. Steps involved in installation and running the wireshark with its components.
3. Steps for capturing packets using URL given below:
<http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html>
4. After your browser has displayed the INTRO-wireshark-file1.html page, stop Wireshark packet capture by selecting stop in the Wireshark capture window. Type in “http” into the display filter specification window at the top of the main Wireshark window. Then select Apply or just hit return. Find the HTTP GET message that was sent from your computer to the gaia.cs.umass.edu HTTP server.

Answer the following questions:

- a) In the unfiltered packet-listing window in step above, list the three distinct protocols that are present in the protocol column.
- b) How long did it take between sending the HTTP GET message and receiving the HTTP OK response? (By default, the Time column in the packet listing window displays the duration of Wireshark tracing in seconds. Select the Wireshark View pull-down menu, then click Time Show Format, then click Time-of-day to display the Time field in time-of-day format.)
- c) What is the Internet address of the gaia.cs.umass.edu (also known as www.net.cs.umass.edu)? What is the Internet address of your computer?