Networking Lab Assignment 15

Wireshark : UDP

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3 April 2019

1 Wireshark : UDP

1.1 Aim

Using Wireshark observe data transferred in client server communication using UDP and identify the UDP datagram.

1.2 Theory

1.2.1 Wireshark

Wireshark, a network analysis tool formerly known as Ethereal, captures packets in real time and display them in human-readable format. Wireshark includes filters, color coding, and other features that let you dig deep into network traffic and inspect individual packets.

1.2.2 Capturing Packets

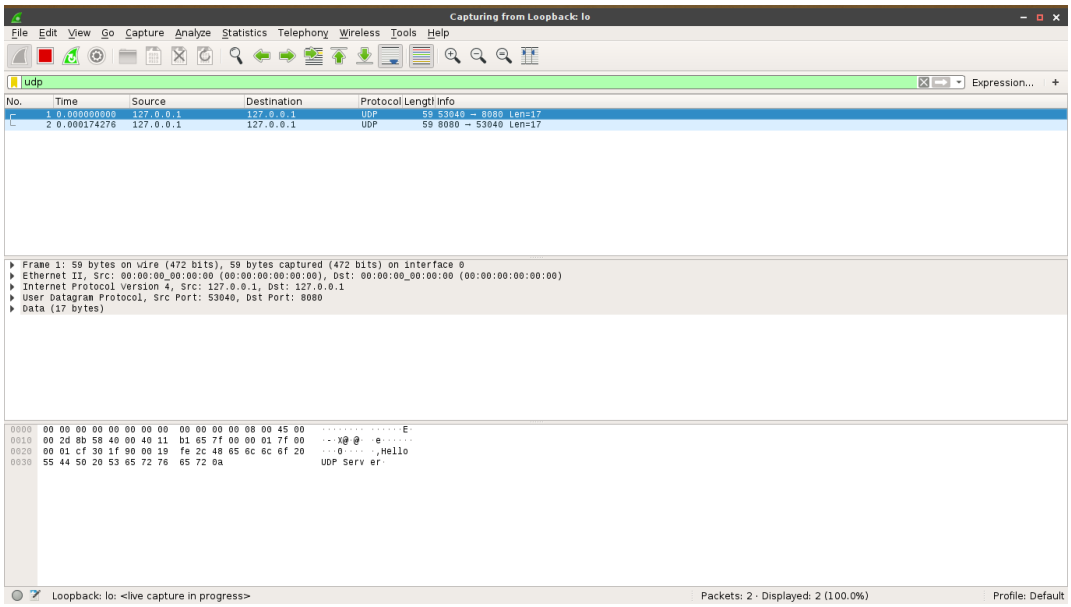
After downloading and installing Wireshark, you can launch it and double-click the name of a network interface under Capture to start capturing packets on that interface. For example, if you want to capture traffic on your wireless network, click your wireless interface.

1.2.3 Filtering Packets

The most basic way to apply a filter is by typing it into the filter box at the top of the window and clicking Apply (or pressing Enter). For example, type “dns” and you’ll see only DNS packets. When you start typing, Wireshark will help you autocomplete your filter.

1.3 Output

Captured two packets, one from client to server and the other from server to client.The packet has data like source and destination IP,PORT,Data send etc.



1.4 Result

Installed wireshark and captured UDP packets on localhost.The packets were filtered as udp.