

13/08/2024.

PRACTICAL-5 Wireshark.

AIM:

Experiments on packet capture tool: Wireshark.

PACKET SNIFFER:-

→ Sniffs messages being sent / received from / by your computer.

→ Store and display the content of the various protocol fields in the messages.

→ Passive program.

- never sends packets itself.

- no packets addressed to it

- receives a copy of all packets

STUDENT OBSERVATION:-

1). What is promiscuous mode?

Promiscuous mode allows a network interface card to capture all the traffic on a network segment, not just packets addressed to it.

2). Does ARP packets has transport layer header? Explain

ARP packets do not have a transport-layer header; they operate at the data link layer and are encapsulated directly in frames.

3) which transport layer protocol is used by DNS?

DNS primarily uses UDP for queries & responses, but can use TCP for larger responses or zone transfers.

4) what is the port number used by http protocol?

HTTP uses port number 80 by default for communication.

5) what is a broadcast ip address?

A broadcast IP address sends packets to all devices on a specific network segment; in IPv4, it is determined by setting all host bits to 1.

RESULT:

The experiment is successfully executed & the output is verified.

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