08/08/24

EXPERIMENT NO : 05 PACKET CAPTURE TOOL

Arm:

Experiments on Packet capture toal: Hibrestorik

Packet Sniffer:

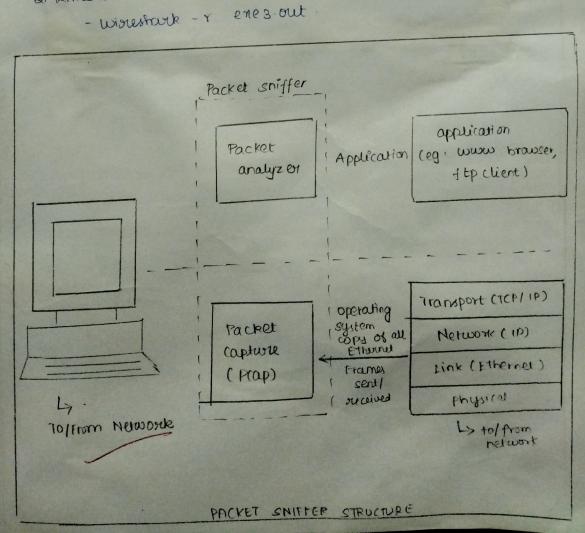
- 1. Sniffs messages being sent/ received from to by your computer.
- a store and aisplay the contents of the various protocols fields in the messages.
 - 3 Passive program:
 - Never sends packet itself
 - No packets addressed to it
 - Receives a copy of all packets (sent /received)

Packet sniffen structure piagonostic tools:

1. tcp dump

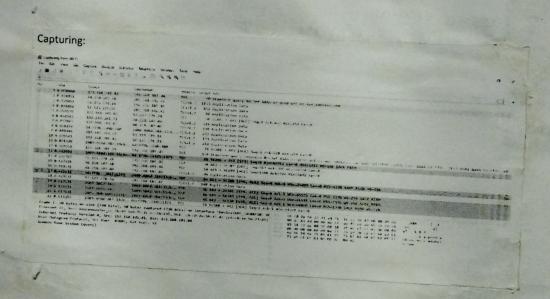
tg: tapdump -enx host 10.129 A1.2-w exe.3 out

2. Wireshook



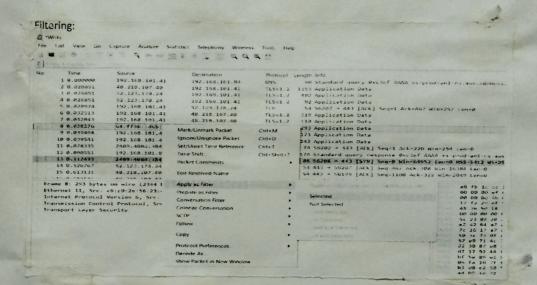
Captiving packets:

After docentialing and installing blireshook, launch is and double click the name of a network interface under capture to start approxing packets on that interface its soon as you click the interface's name, you'll need the packets start to appear in real time. Whenhank captures each packet sent to or from you'll system.



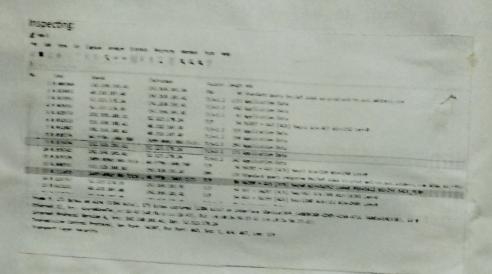
Fittering Packets:

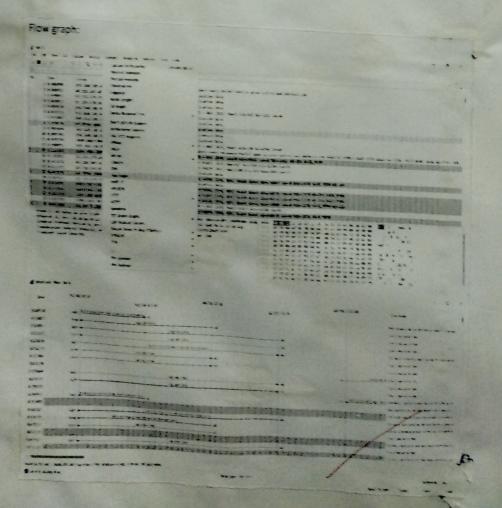
If you've trying to inspect something specific, such as the traffic a pragram usends when thorning come, it helps to close down all others applications using the network so you can noww down the traffic. Still, you'll likely have a large amount of packets to shift through. That's were workhark fitten in



Inspecting - packets:

cute a packet to delect it and you can dig down to





Student Observation:

- i) what is promiseuous mode?

 To is a mode of operation where a noticesk device can intercept and read in the entitlely each packet that process through.
 - 2) Does ARP Rockets has bransport layer header ? Explain:

ARP packets do not have a transport layer header ARP operates at the link layer (2) of the OST model, which is responsible for local notwork communication between devices on the same retroops segment.

3) Which townsport layer protocol is used by DNS?

DNS uses town transport layer protocol

D UDP Cuser Datagram Protocol)

2) TCP (Transmission control Probacol)

4) what he the post number used by Attop protocol 8 80 98 the post number used by Attop.

F) what is a preadcast in address?

A preadcast in address is a reprosit address

used to transmit to all devices convected to a

multiple across communication network.

Thus, the features of wheehask as a copture took! It observed and studied about the encapsulation of information at various layers of protoad layer stack.