Ex: No. 5

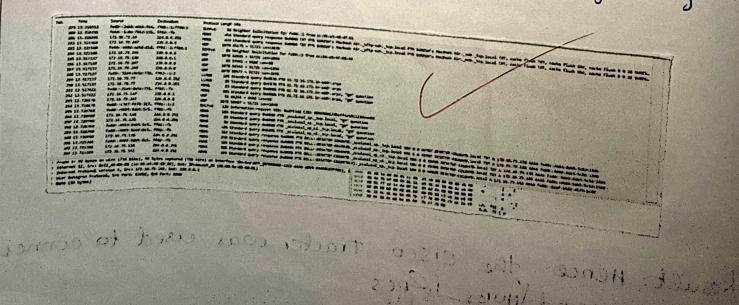
Aim: Experiments on packets capture tool: wireshark

Wiresharte, a network analysis tool, captures packets in filters, eolor codin human-readable format. It includes network traffic and other features to dig deep into and chippet individual packets.

What we can do with wire shark

Capture network traffic Decode padcet protocols using disserbrs Define fifters - capture and display watch smart statistics Analyze problems interactively texture browse the trafic

Capturing packets for volory T 00210 out 2000H theyes Select the network interface under capture to start in capturing packet on that interface. The interface could be Ethernet, wifi-ele packets start to appear in neal-time. wire shark captures each packet sent to as from your system.



23/1-1-2001/ how another?

Mediagot wit

The packet tist pane display all the packets in the current capture file. Each line in the packet list corresponds to one packet in capture file. Selecting a line in this pane.

One packet in capture file. Selecting a line in this pane.

Opens more details in the "Packets Details" and "Packet Bytes Panes.

The "Packet Delaits" Pane shows the current selected pecket is in more delaited form. This pane shows the protocols and protocol field of packets selected in "Packet List" pane and protocol field of packets selected in "Packet List" pane

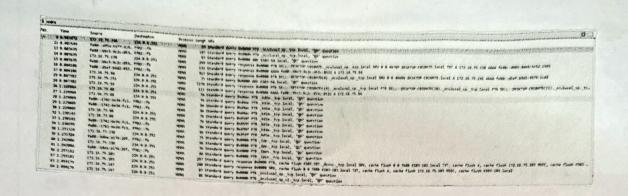
The "Packet Bytes' pane shows the data of the current packty to a herdump style.

color coding.

Nireshark was colors to help, you identify the types of
traffic at glance - The colouring rules can also be
customized and modified.

Filtering Packets; allows to narrow down the traffic to wireshork's filters allows to narrow down the traffic to wireshork's filters allows to narrow down the fraffic to user's something specific. Basic way to apply filter is by typing it links the filter box. For example type "tep" and typing it links the filter box. For example type "tep" and the will display only TCP packets.

custom filter can also be added which can be saved for future life.



rap The Packet List Pane

CAPTURING AND ANALYSING PACKETS USING WIRESHARK TOOL
Capture too packeds from the wifi Interface and soure it. procedure: balants and "Padate Datails" and "Padat: srubssory

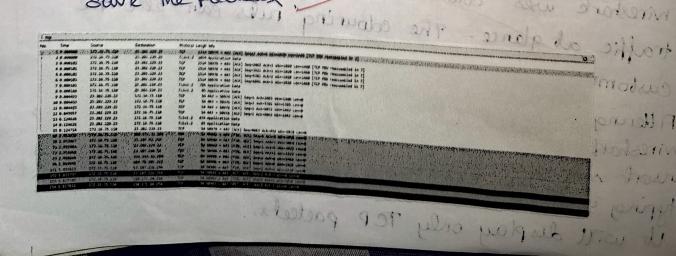
Select WIFI in winesharle Bro to Eapture > option end whater toler

Select step capture automatically after 100 packets Then, chick start capture in mot bedided eron in a

Save the packets. I dolong to blish looding how

1. create a Filter to display only por TCP packets Procedure must be stope the doctor of the augustage ong

Select stop capture automobically after 100 peclet Then click start capture Search TCP, packets in search bar Save the packets



Time	172,16.75,116 23.262.229.23	150.171.31.254	Comment	
900000	NAME OF THE PARTY OF PARTY ASSESSMENT ASSESSMENT AND ADDRESS.		TCP 80078 - ALS (ACV) Separt Acres I Winartoso Lena LASO L	
000000	90076 Apercention Data an ALS		71 Svf. 2. Application Date	
000101	sours NOVIE ASSISTED Sen-Dell Admit Winard Disk. And			
000101	SOUTH STREET AND STREET STREET ASSESSMENT MANAGESTED STREET		TCP 50876 483 (ACV) Sec=2461 Ack=1 Whi=1020 Leni=14.	
000101	SOUTH STREET - AND INCIDENCE STREET ASSELL WITCH STREET AND		TCP 50976 443 (ACIQ Sep+9927 Adia4 Win+1025 Len+14.	
10100	NAME AND PORTO OF ASSESSED DESCRIPTION OF A PERSON ASSESSED.		109 50076 448 (ACV) Sea-6381 Adv 1 994-1020 Lenv 14	
00101	1 81979 - BARCISTON Date N 245		TOP STOTE - ALE TACKS SAS-HEAT ARREST WHILE SOCIATION .	
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24626	Assessment State		TI Srt.E. Agentication Data	
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5613			TOP SOME - AND THE ACT SHEET AGENT MOUNT WHATGOD SHOULD	B 10
5737	Mark		TCP 50048 - 445 (FFE ACK) SMINT ACKST WILLTST STATES	
7745			TOR SUGAS BAS DEST ACRES SAFAT ACRES WAND LANGUE	
7832			TOP TOBES - ARE THE ACKS SMOUT AGES WITH TOO LAND	
972			TCP 50545 - A43 (807 ACK) SASKS AGAIN WAND LAKED	
970			TEP BORRY ALT (RST. ACK) SWING ACK IN VENING LANDING	

me can follow the same strategy for displaying and unspecting other packets like MRP, HTTP, IP/ICMP, DMCP etc.

Hamming orde to a set of error correction codes

I what is premisculous mode?

A node where it captures all padeets on the network
instead of only the ones addressed in the network
adapter.

2. Does ARP packets has fransport layer header? Explain?
No, ARP packets dolon't contain. ARP works at the data
lone layer.
3. which transport layer protocol is user by DNS?

3. which transport layer protocol is user by the for large queries ones primarily uses upp test uses the protocol?

4. What is port number bused by http protocol?

ATTP Was port number 80

5. What is a broadcast IP address

An ip address used to send data to all took in a network.

Result! Hence the wire shark experiment was successful