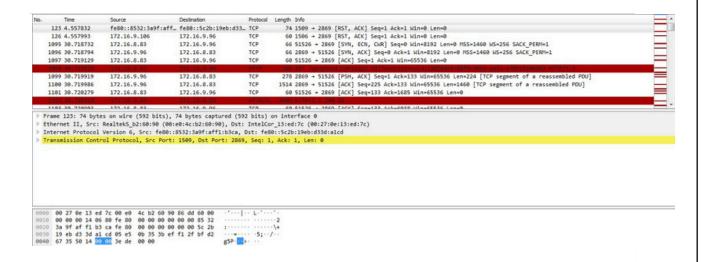
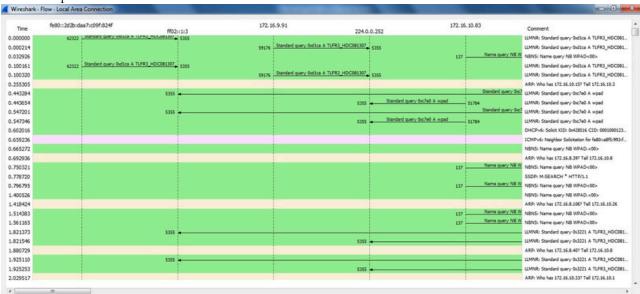
CAPTURING AND ANALYSING PACKETS USING WIRESHARK TOOL

To f	To filter, capture, view, packets in Wireshark Tool.									
Cap	ture 100 pack	ets from the Ethe	rnet: IEEE	802.3 LAN	Interface and save it.					
Proc	cedure									
] [□ Select Local Area Connection in Wireshark. □ Go to capture □ option □ Select stop capture automatically after 100 packets. □ Then click Start capture. 									
Out	☐ Save the p	Jackets.								
Out	100	1								
No.	Time	Source	Destination		Length Info					
	1 0.000000	Pegatron_e0:87:9e	Broadcast	ARP	60 Who has 172.16.9.94? Tell 172.16.9.138					
	2 0.000180	RealtekS_55:2c:b8	Broadcast	ARP	60 Who has 172.16.10.36? Tell 172.16.10.50					
	3 0.000294	RealtekS_55:2c:b8	Broadcast	ARP	60 Who has 172.16.11.36? Tell 172.16.10.50					
	4 0.000295	RealtekS_55:2c:b8	Broadcast	ARP	60 Who has 172.16.8.37? Tell 172.16.10.50					
	5 0.000296	RealtekS_55:2c:b8	Broadcast	ARP	60 Who has 172.16.9.37? Tell 172.16.10.50					
TOTAL STATE	6 0.000296	RealtekS_55:2c:b8 fe80::4968:12a7:5e3	Broadcast	ARP	60 Who has 172.16.11.37? Tell 172.16.10.50					
F	7 0.001460 8 0.001622	172.16.8.95	224.0.0.252	LLMNR	95 Standard query 0xae2b A TLFL3-HDC101701					
H	9 0.001623	172.16.8.95	224.0.0.252	LLMNR	75 Standard query 0xae2b A TLFL3-HDC101701 75 Standard query 0x28c0 AAAA TLFL3-HDC101701					
	10 0.001625	fe80::4968:12a7:5e3		LLMNR	95 Standard query 0x28c0 AAAA TLFL3-HDC101701					
	11 0 045051	fo002d2b.d227.sc00		LIMND	OF Standard quary Gyazzi A TIEDZ HDCGG1207					
	Destination Por Length: 41 Checksum: 0x90e [Checksum Statu: [Stream index:	t: 5355 0 [unverified] s: Unverified]								
▷ Li		st Name Resolution (que	ery)							
0000 33 33 00 01 00 03 50 9a 4c 35 10 a8 86 dd 60 00 33p. L5										
	□Go □ Sel □ Th □ Sea □To	ect Local Area Co to capture \(\) opti ect stop capture a en click Start capt arch TCP packets see flow graph clic we the packets.	on utomatically ure. in search bar	after 100 pa						

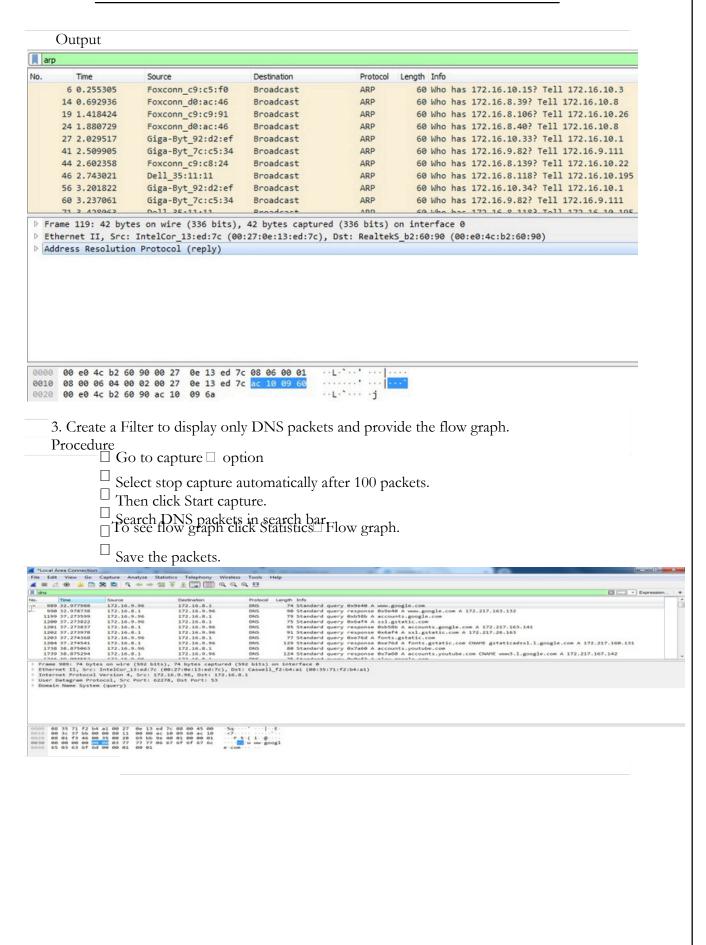


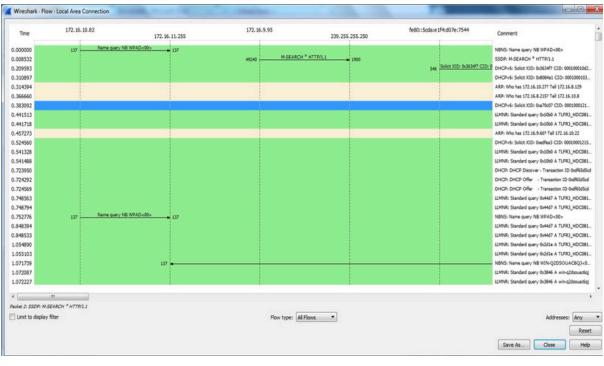
Flow Graph



2. Create a Filter to display only ARP packets and inspect the packets. Procedure

Proced	ure
	☐ Go to capture ☐ option
	Select stop capture automatically after 100 packets.
	Then click Start capture.
	☐ Search ARP packets in search bar.
	Save the packets.





4. Create a Filter to display only HTTP packets and inspect the packets

Procedure

Select Local Area Connection in Wireshark.

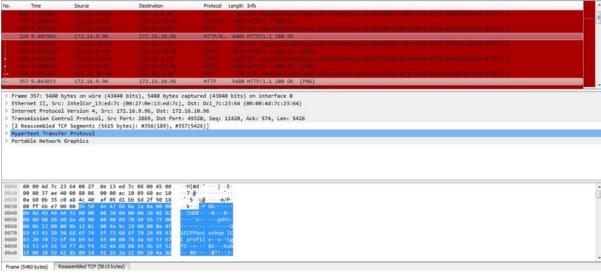
Go to capture option

Select stop capture automatically after 100 packets.

Then click Start capture.

Search HTTP packets in search bar.

Save the packets.



5. Create a	Filter to display only	IP/ICMP packets and inspect the packets.						
Procedu <u>r</u> e								
	Select Local Area Con so to capture 🗆 optio	nnection in Wireshark.						
	Select stop capture automatically after 100 packets.							
	Then click Start capture.							
	Search ICMP/IP pack	rets in search har						
	Save the packets	acts in scarcii bai.						
	save the packets		Expression +					
No. Time Source		Length Info	A Capresson					
1 0.000000 172.1 2 0.008532 172.1	0.05 230 255 256 250 5500	92 Name query NB WPAD<88> 216 M-SEARCH * HTTP/1.1						
	.9.91 224.0.0.252 LLMNR .9.91 224.0.0.252 LLMNR	75 Standard query 9x1999 A TLFR3_HDC981397						
14 0.723950 0.0.0	8 255.255.255 DHCP	590 DHCP Discover - Transaction ID 0xdf65d5cd						
15 0.724292 172.1 16 0.724569 172.1	.8.1 255.255.255.255 DHCP .11.180 255.255.255.255 DHCP	342 DHCP Offer - Transaction ID 0xdf65d5cd 342 DHCP Offer - Transaction ID 0xdf65d5cd						
18 0.748794 172.1 19 0.752776 172.1	.9.91 224.0.0.252 LLMNR	75 Standard query 0x44d7 A TLFR3_MDC081307 92 Name query NB WPAD<00>						
21 8.848533 172.1	.9.91 224.0.0.252 LLMNR	75 Standard query 8x44d7 A TLFR3_HDC981397	= -					
Ethernet II, Src: Dci_7c:	(736 bits), 92 bytes captured (736 bits) on 3:ad (00:00:44:7c:23:ad), Dst: Broadcast (fi 4, Src: 172.16:10:83, Dst: 172.16:11.255 c Port: 137, Dst Port: 137	<pre>interface 0 f:ff:ff:ff:ff)</pre>						
6. Create a Filter to display only DHCP packets and inspect the packets. Procedure Select Local Area Connection in Wireshark. Select stop capture automatically after 100 packets. Then click Start capture. Search DHCP packets in search bar.								
	Save the packets	s in scarch bar.						
Outpu	1							
Outpu		© □ ° Egreson. +						
> fr:	To Source Desiration Desiration To Source Desiration Desiration	TPv6mcast 01:00:02 (33:33:00:01:00:02)						
66000 66000 66000 66000 66000 66000 66000	23 23 00 41 00 42 00 18 44 7c 6d 3a 86 4d 6d 60 33 13 100 60 60 13 1 27 6 10 10 00 00 00 12 6d	PC7						