



ISAA LAB ASSIGNMENT - 4

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REGISTRATION NUMBER	19BCE2196

Network Packet using Wireshark

A) Interfaces

B) Apply a filter which shows the packet which belong to any one of the categories (ICMP, ARP, TCP, UDP)

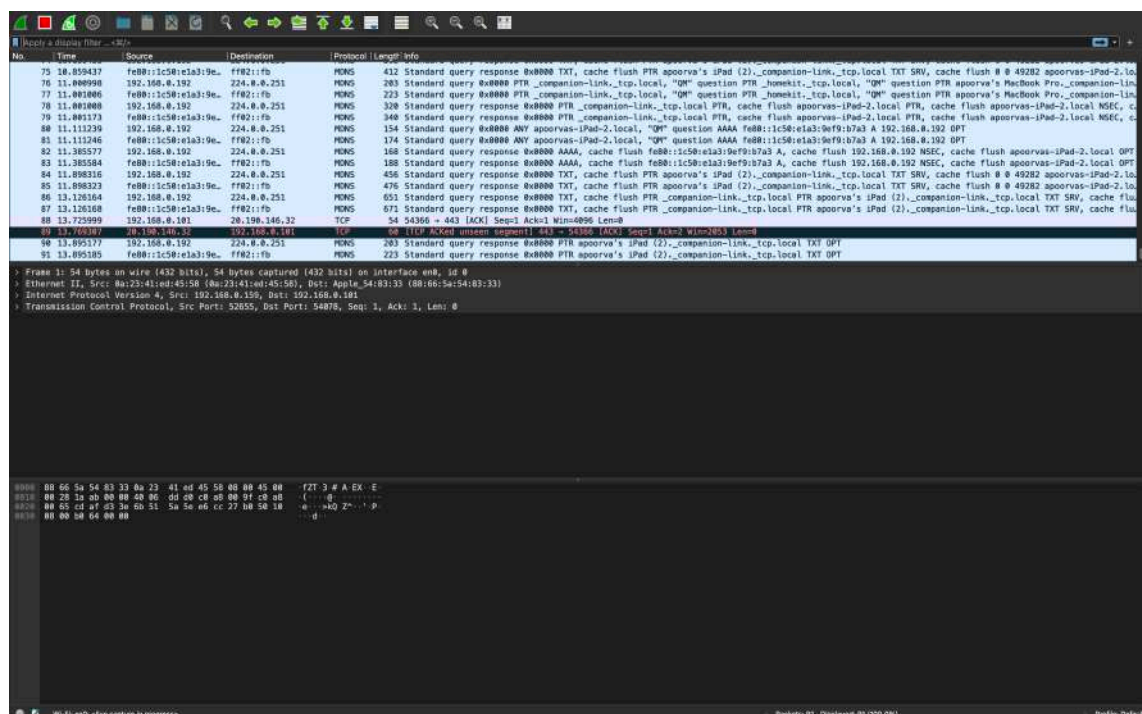
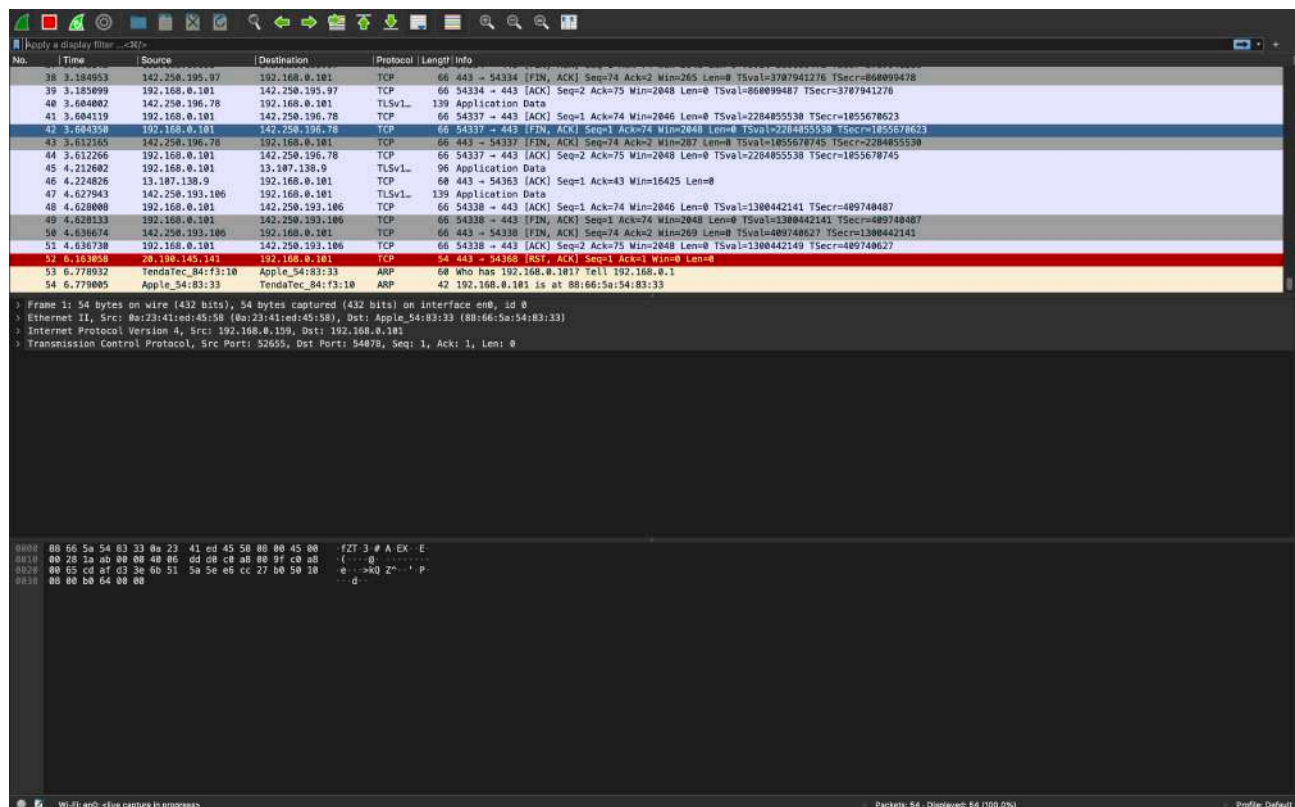
C) Receive the packets which belong to HTTP

D) You have to apply a filter which is able to capture the packets from a particular website

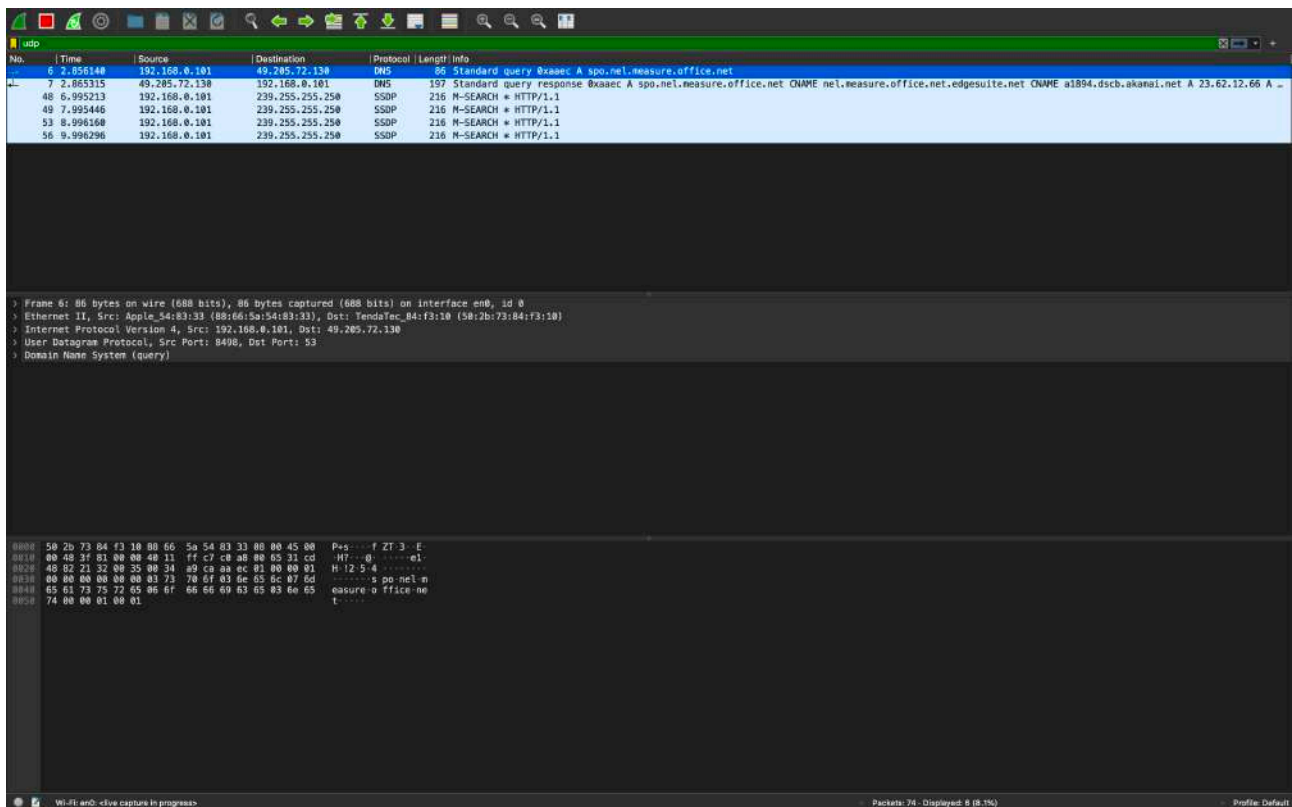
E) Receive the packet which belong to ICMP

SCREENSHOT

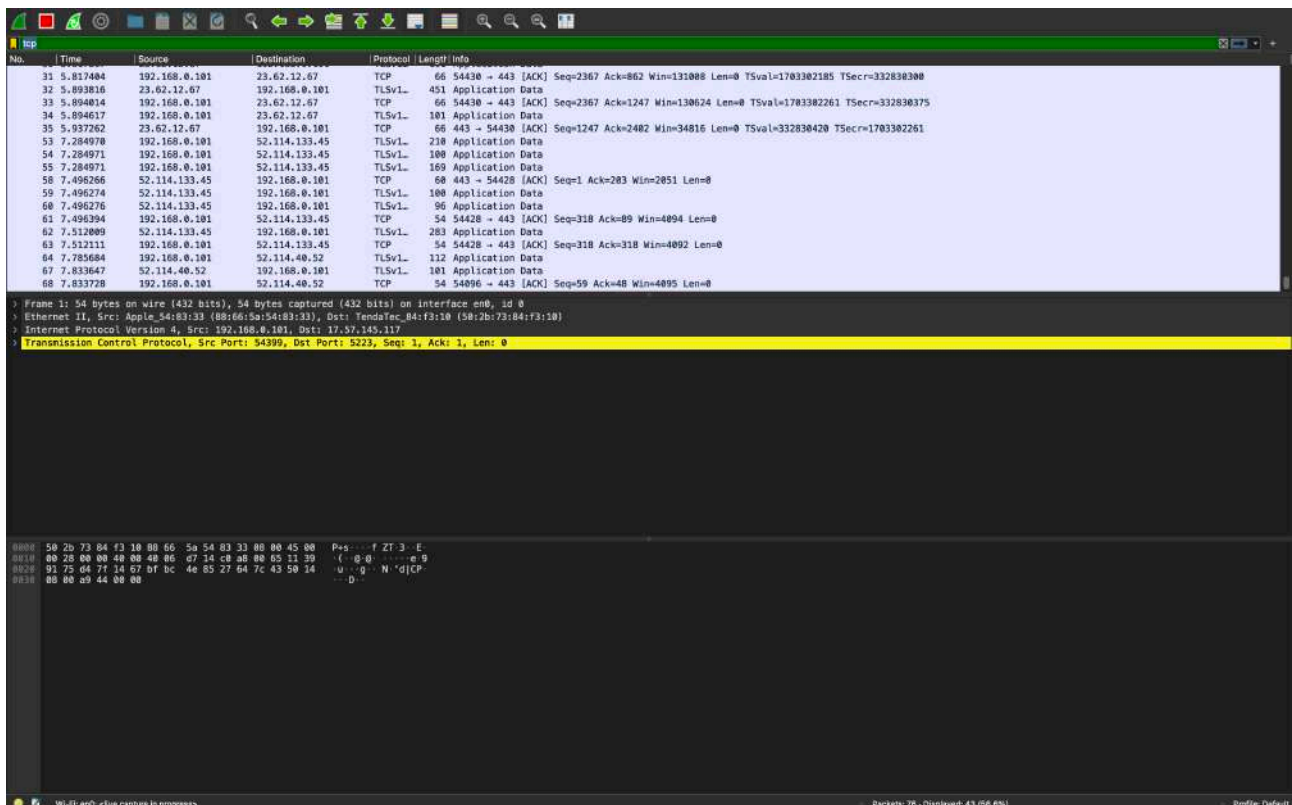
A)



B)
UDP



TCP



C)

File Edit Options View Help

Packet List Packet Details Packet Bytes

Filter: http

No.	Time	Source	Destination	Protocol	Length	Info
322	7.743804	192.168.0.101	151.101.2.132	HTTP	623	GET / HTTP/1.1
327	7.762063	151.101.2.132	192.168.0.101	HTTP	414	HTTP/1.1 304 Not Modified
351	7.888229	192.168.0.101	142.250.195.142	HTTP	418	GET /cse.js?cc=8578343832241778421:5ngshgrgx2u HTTP/1.1
364	7.879733	142.250.195.142	192.168.0.101	HTTP	464	HTTP/1.1 404 Not Found (text/html)
445	7.975960	192.168.0.101	142.250.182.110	HTTP	453	GET /generate_204 HTTP/1.1
451	7.985804	142.250.182.110	192.168.0.101	HTTP	149	HTTP/1.1 204 No Content
472	8.123545	192.168.0.101	151.101.2.132	HTTP	499	GET /favicons/favicon.ico HTTP/1.1
477	8.148651	151.101.2.132	192.168.0.101	HTTP	797	HTTP/1.1 200 OK (PNG)
2011	14.395457	192.168.0.101	142.250.71.35	HTTP	425	GET /gts164/HTPwKADAgEAMcEwS2BJMAGBSdAwZaBQAEFtWUOpT081610ZTduSGPQhW1B8014hg0s1eRlCr1f2Gk1PeU704kgIQ0d0Pi2N2Fv8rgKAAAAAxyag3DA3D HTTP/1.1
2123	14.411484	142.250.71.35	192.168.0.101	DCSP	779	Response

Frame 322: 623 bytes on wire (4984 bits), 623 bytes captured (4984 bits) on interface en0, id 0

Ethernet II, Src: Apple_S4:83:33 (88:66:5a:54:83:33), Dst: DantaTec_84:f3:10 (58:2b:73:84:f3:10)

Internet Protocol Version 4, Src: 192.168.0.101, Dst: 151.101.2.132

Transmission Control Protocol, Src Port: 55072, Dst Port: 80, Seq: 1, Ack: 1, Len: 557

HyperText Transfer Protocol

0040 e7 08 47 45 54 28 2f 20 48 54 54 56 2f 31 2e 31 - GET / HTTP/1.1

0050 8d 8a 48 6f 73 74 3a 20 77 77 77 2e 61 70 81 63 - Host: www.apac

0060 68 05 2e 0f 72 67 8d 8a 43 6f 68 6e 65 63 74 69 - he.org - Connecti

0070 6f 6e 3a 20 0b 05 05 78 2d 01 6c 09 76 05 8d 8a - on: keep-alive

0080 a3 81 83 68 05 2d 43 6f 6e 74 72 6f 6c 3a 20 8d - Cache-Control: n

0090 61 78 2d 61 67 65 3d 38 0d 6e 55 78 67 72 61 64 - aa-agent= Upgrad

00a0 43 24 6f 73 63 73 72 65 2d 05 71 75 65 - x-Inspec re-que

00b0 73 74 3a 28 31 9d 8a 55 73 65 72 20 41 67 65 - sts: 1" User-Age

00c0 6e 74 3a 28 4d 6f 7a 69 6c 6e 61 2f 35 3e 38 20 - mti: Mozil lla/5.8

00d0 78 46 63 63 69 6e 74 6f 73 68 3a 28 49 6a 74 65 - Macinto sh; Inte

00e0 6c 20 4d 61 63 28 4f 53 20 58 28 31 30 5f 31 35 - t Mac OS X 10.15

00f0 5f 37 29 28 41 78 78 6c 65 57 65 62 4b 69 74 2f - 71 Appl eweKit/

0100 5a 32 77 2f 33 28 28 2e 4b 48 54 46 4e 2c 30 6c - 527.36 i HTML, t

0110 69 65 65 28 47 65 63 6b 6f 20 28 43 88 72 6f 6d - ike Geck o/ Chron

0120 65 2f 39 33 2e 38 2e 34 35 37 37 2e 38 32 20 53 - e/93.0.4.577.82.5

0130 63 6e 61 72 69 2f 35 33 37 2e 33 38 6b 6b 41 63 - #fari/53.7.36 - Ac

0140 63 65 78 74 3a 28 74 65 78 74 2f 68 74 6d 6c 2c - cempt: te xt/html

0150 61 78 78 6c 69 63 61 74 69 6f 6e 2f 78 68 74 6d - applicat ion/xhtm

0160 6c 2b 78 6d 6c 2c 63 78 78 6c 69 63 61 74 69 6f - text/xml, mp licatio

0170 6e 2f 78 6d 6c 6b 71 3d 38 2e 39 2c 69 6d 61 67 - n/xml;q= 0.9, imag

0180 65 2f 61 76 69 6e 2c 69 6d 61 67 65 2f 77 65 62 - e/avif, i mage/web

0190 70 2c 69 6d 61 67 65 2f 61 78 6e 67 2c 2a 2f 2a - n; image/ avif; w

01a0 3b 71 34 38 2a 38 2c 61 78 78 6c 69 63 61 74 69 - iqn8.8 a applicati

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D)

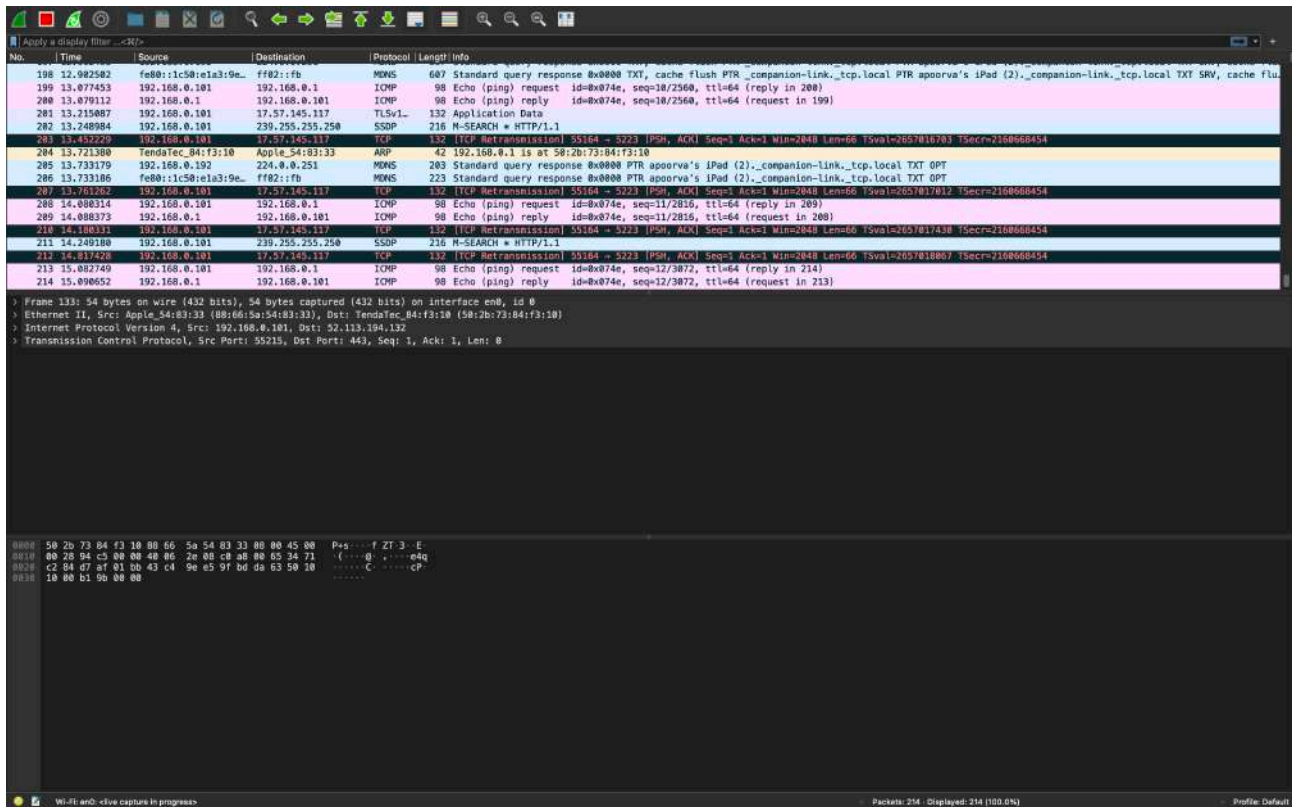
Apply a display filter: <OK>

No.	Time	Source	Destination	Protocol	Length	Info
23	6.955498	142.250.196.78	192.168.0.101	QUIC	125	Protected Payload (KPB)
24	6.955611	142.250.196.78	192.168.0.101	QUIC	71	Protected Payload (KPB)
25	6.957818	192.168.0.101	142.250.196.78	QUIC	75	Protected Payload (KPB), DCID=a46173f4564fb9a7
26	7.019854	192.168.0.101	142.250.196.78	ICMP	98	Echo (ping) request id=8xdd4d, seq=30/7680, ttl=64 (reply in 27)
27	7.028988	142.250.196.78	192.168.0.101	ICMP	98	Echo (ping) reply id=8xdd4d, seq=30/7680, ttl=58 (request in 26)
28	7.035211	142.250.196.78	192.168.0.101	QUIC	1059	Protected Payload (KPB)
29	7.035721	192.168.0.101	142.250.196.78	QUIC	77	Protected Payload (KPB), DCID=a46173f4564fb9a7
30	7.036433	192.168.0.101	142.250.196.78	QUIC	75	Protected Payload (KPB), DCID=a46173f4564fb9a7
31	7.036433	192.168.0.101	142.250.196.78	QUIC	78	Protected Payload (KPB), DCID=a46173f4564fb9a7
32	7.036993	142.250.196.78	192.168.0.101	QUIC	67	Protected Payload (KPB)
33	7.044718	142.250.196.78	192.168.0.101	QUIC	67	Protected Payload (KPB)
34	7.063439	192.168.0.101	142.250.196.78	QUIC	75	Protected Payload (KPB), DCID=a46173f4564fb9a7
35	7.070891	142.250.196.78	192.168.0.101	QUIC	67	Protected Payload (KPB)
36	8.021883	192.168.0.101	142.250.196.78	ICMP	98	Echo (ping) request id=8xdd4d, seq=31/7936, ttl=64 (reply in 37)
37	8.031221	142.250.196.78	192.168.0.101	ICMP	98	Echo (ping) reply id=8xdd4d, seq=31/7936, ttl=58 (request in 36)
38	9.023953	192.168.0.101	142.250.196.78	ICMP	98	Echo (ping) request id=8xdd4d, seq=32/8192, ttl=64 (reply in 39)
39	9.033231	142.250.196.78	192.168.0.101	ICMP	98	Echo (ping) reply id=8xdd4d, seq=32/8192, ttl=58 (request in 38)

Frame 1: 98 bytes on wire (784 bits), 98 bytes captured (784 bits) on interface enb, id 0
Ethernet II, Src: Apple_S4:83:33 (08:06:1a:14:18:33), Dst: TendaTc_R4:f3:10 (58:2b:73:84:f3:10)
Internet Protocol Version 4, Src: 192.168.0.101, Dst: 142.250.196.78
Internet Control Message Protocol

0000 50 2b 73 84 f3 10 08 66 5a 54 83 33 08 00 45 00 P...f.T.3..E
0010 00 54 55 c7 00 00 40 01 20 8c c9 08 03 8e fa T...0...e
0020 c4 4e 09 00 05 09 00 40 00 17 61 49 04 04 09 08 N...M...a1...
0030 43 08 09 0a 0a 0c 0d 0e 0f 10 11 12 13 14 15 C...P...S
0040 16 17 18 19 1a 1b 1c 1d 1e 1f 20 21 22 23 24 25 ...P...S
0050 26 27 28 29 2a 2b 2c 2d 2e 2f 30 31 32 33 34 35 6'()++.../012345
0060 36 37 67

Wi-Fi and eSNI capture in progress Packets: 39 - Displayed: 39 (100.0%) Profile: Default



E)

