

1a. I used portal.Odu.edu

1b.

source Ip: 10.254.22.254 Destination Ip :10.254.176.10

Source port: 63254 destination port: 7680

1c.

Source ip: 34.203.181.163 destination ip: 10:254.176.10

Source port:443 destination port:50823

1d.

Source ip: 10.254.22.254 destination ip:10.254.176.10

Source port:63254 destination port:7680

2.

The image shows a Wireshark packet capture analysis. The top pane displays a list of captured packets. The bottom pane shows the details of the selected packet (No. 1, Time 0.000000, Source 10.254.176.10, Destination 52.111.230.4, Protocol TLSv1.2, Length 89).

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	10.254.176.10	52.111.230.4	TLSv1.2	89	Application Data
2	0.058666	52.111.230.4	10.254.176.10	TCP	56	443 → 50183 [ACK] Seq=1 Ack=36 Win=16387 Len=0
3	11.226242	10.254.176.10	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
4	12.235354	10.254.176.10	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
5	13.238793	10.254.176.10	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
6	14.241358	10.254.176.10	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
7	17.673837	10.254.176.10	128.82.95.20	DNS	74	Standard query 0x0bf4 A www.google.com
8	17.674204	10.254.176.10	128.82.95.20	DNS	74	Standard query 0xad56 HTTPS www.google.com
9	17.677835	128.82.95.20	10.254.176.10	DNS	99	Standard query response 0xad56 HTTPS www.google.com HTTPS
10	17.677835	128.82.95.20	10.254.176.10	DNS	170	Standard query response 0x0bf4 A www.google.com A 142.251.163.103 A 142.251.163.104 A 142.251.163.99 A ...
11	17.680777	10.254.176.10	142.251.163.103	QUIC	1292	Initial, DCID=d38ea030c497dba0, PKN: 1, CRYPTO, CRYPTO, CRYPTO, PADDING, CRYPTO, CRYPTO, PADDIN...
12	17.681595	10.254.176.10	142.251.163.103	QUIC	123	0-RTT, DCID=d38ea030c497dba0
13	17.687396	10.254.176.10	128.82.95.20	DNS	77	Standard query 0x1979 A wpad.wlan.odu.edu
14	17.690960	142.251.163.103	10.254.176.10	QUIC	1292	Handshake, SCID=f38ea030c497dba0
15	17.690960	142.251.163.103	10.254.176.10	QUIC	845	Protected Payload (KP0)
16	17.690960	142.251.163.103	10.254.176.10	QUIC	203	Protected Payload (KP0)
17	17.691790	128.82.95.20	10.254.176.10	DNS	126	Standard query response 0x1979 No such name A wpad.wlan.odu.edu SOA ns1.odu.edu
18	17.691911	10.254.176.10	142.251.163.103	QUIC	120	Handshake, DCID=f38ea030c497dba0
19	17.692183	10.254.176.10	142.251.163.103	QUIC	160	Protected Payload (KP0), DCID=f38ea030c497dba0

Frame 1: 89 bytes on wire (712 bits), 89 bytes captured (712 bits) on interface \Device\NPF...
> Ethernet II, Src: Intel_b9:4d:0d (78:2b:46:b9:4d:0d), Dst: All-HSRP-routers_01 (00:00:0c:07:00:00)
> Internet Protocol Version 4, Src: 10.254.176.10, Dst: 52.111.230.4
> Transmission Control Protocol, Src Port: 50183, Dst Port: 443, Seq: 1, Ack: 1, Len: 35
> Transport Layer Security

0000 00 00 0c 07 ac 01 78 2b 46 b9 4d 0d 08 00 45 00x+ F.M...E-
0010 00 4b af 49 40 00 80 06 00 00 0a fe b0 0a 34 6f ...K.I@...4o
0020 e6 04 c4 07 01 bb 71 37 b8 88 02 21 14 32 50 18q7...l.2P-
0030 03 07 d5 b9 00 00 17 03 03 00 1e 00 00 00 00B...
0040 00 00 ef 29 5c 4a a2 ac 8b a3 1f c4 42 8c 9e c2 ...}...B...
0050 e9 07 76 99 66 a8 ac 84 e9 ...v.f... ..