

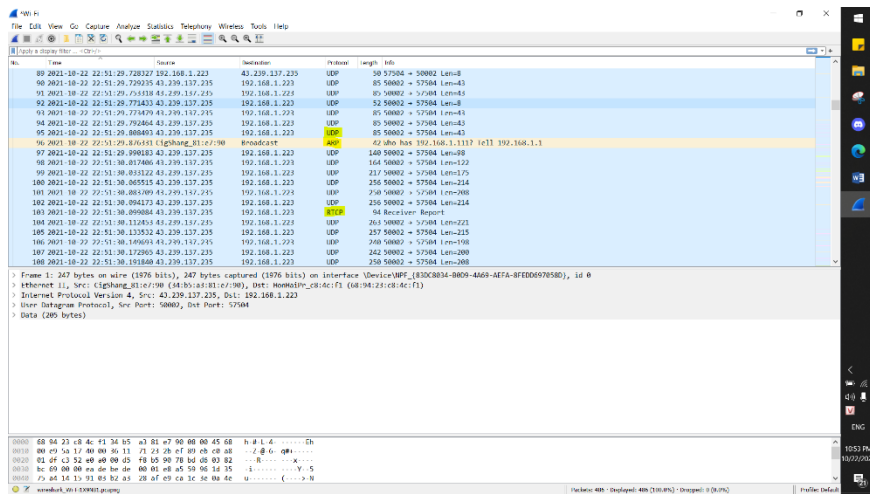
COMPUTER NETWORK LAB

LAB 1B

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Lab 1B

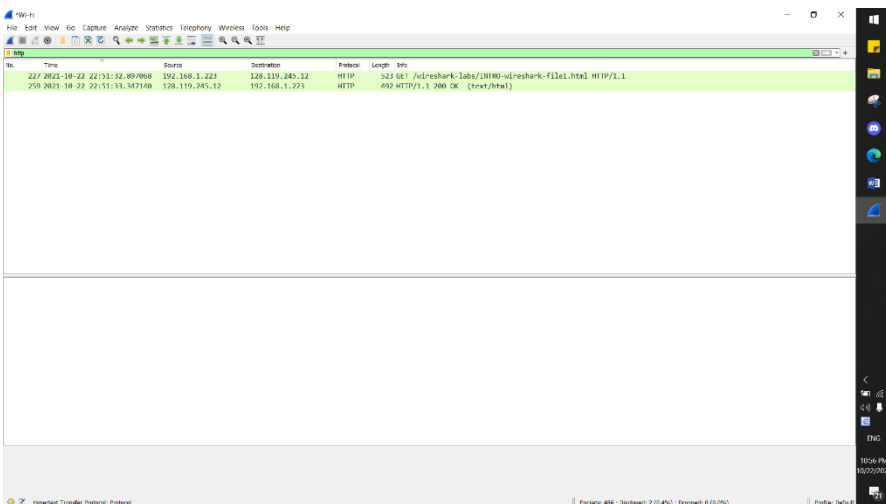


No.	Time	Source	Destination	Protocol	Length	Info
89	2021-10-22 22:51:29.720327	192.168.1.223	43.239.137.235	UDP	30	57504 → 50002 Len=8
90	2021-10-22 22:51:29.720335	43.239.137.235	192.168.1.223	UDP	85	50002 → 57504 Len=43
91	2021-10-22 22:51:29.720343	43.239.137.235	192.168.1.224	UDP	85	50002 → 57504 Len=43
92	2021-10-22 22:51:29.774433	43.239.137.235	192.168.1.223	UDP	52	50002 → 57504 Len=8
93	2021-10-22 22:51:29.774439	43.239.137.235	192.168.1.224	UDP	85	50002 → 57504 Len=43
94	2021-10-22 22:51:29.774443	43.239.137.235	192.168.1.223	UDP	85	50002 → 57504 Len=43
95	2021-10-22 22:51:29.808403	43.239.137.235	192.168.1.223	UDP	85	50002 → 57504 Len=43
96	2021-10-22 22:51:29.808413	43.239.137.235	192.168.1.223	UDP	85	50002 → 57504 Len=43
97	2021-10-22 22:51:29.990333	43.239.137.235	192.168.1.223	UDP	140	50002 → 57504 Len=39
98	2021-10-22 22:51:30.017400	43.239.137.235	192.168.1.223	UDP	140	50002 → 57504 Len=39
99	2021-10-22 22:51:30.017412	43.239.137.235	192.168.1.223	UDP	237	50002 → 57504 Len=175
100	2021-10-22 22:51:30.045515	43.239.137.235	192.168.1.223	UDP	256	50002 → 57504 Len=244
101	2021-10-22 22:51:30.045527	43.239.137.235	192.168.1.223	UDP	256	50002 → 57504 Len=244
102	2021-10-22 22:51:30.094273	43.239.137.235	192.168.1.223	UDP	256	50002 → 57504 Len=244
103	2021-10-22 22:51:30.094284	43.239.137.235	192.168.1.223	UDP	94	Receiver Report
104	2021-10-22 22:51:30.112019	43.239.137.235	192.168.1.223	UDP	263	50002 → 57504 Len=221
105	2021-10-22 22:51:30.133532	43.239.137.235	192.168.1.223	UDP	257	50002 → 57504 Len=245
106	2021-10-22 22:51:30.149614	43.239.137.235	192.168.1.223	UDP	240	50002 → 57504 Len=198
107	2021-10-22 22:51:30.172003	43.239.137.235	192.168.1.223	UDP	242	50002 → 57504 Len=200
108	2021-10-22 22:51:30.191840	43.239.137.235	192.168.1.223	UDP	250	50002 → 57504 Len=208

Frame 1: 247 bytes on wire (1976 bits), 247 bytes captured (1976 bits) on interface DeviceWPF {83C8B34-B069-4A68-AE7A-8FED0697658D}, id 0
Ethernet II, Src: Gigabyte_82:57:70 (48:63:83:82:57:70), Dst: Homelink_92:4c:f2 (14:34:35:c8:4c:f2)
Internet Protocol Version 4, Src: 43.239.137.235, Dst: 192.168.1.223
User Datagram Protocol, Src Port: 50002, Dst Port: 57504
Data (UDP bytes)

0000 68 04 23 c8 4c f2 34 35 a3 81 e7 90 00 00 45 68 h 8 L 4h
0010 00 e7 9a 17 00 00 86 11 71 23 2b e7 00 c8 c8 88 ..L 8 0 .qm.....
0020 01 ef 13 54 e9 e9 00 05 f9 05 00 78 0a 00 03 82 ...R.....A....
0030 bc 69 00 00 ea de be de 00 01 e8 a5 58 06 14 35 iY..5
0040 f2 a4 14 13 71 02 02 a5 28 a7 c8 3c 56 0a 4e up N

1. 3 different protocols: UDP, ARP, RTCP



No.	Time	Source	Destination	Protocol	Length	Info
227	2021-10-22 22:51:32.897908	192.168.1.223	128.119.245.12	HTTP	323	GET /refreshark-labs/INRO-ul-resark-file1.html HTTP/1.1
250	2021-10-22 22:51:33.347140	128.119.245.12	192.168.1.223	HTTP	492	HTTP/1.1 200 OK (text/html)

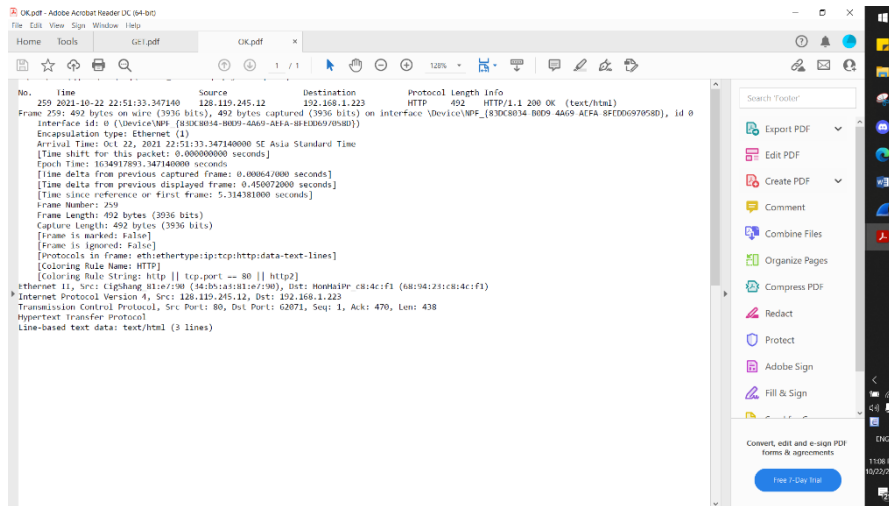
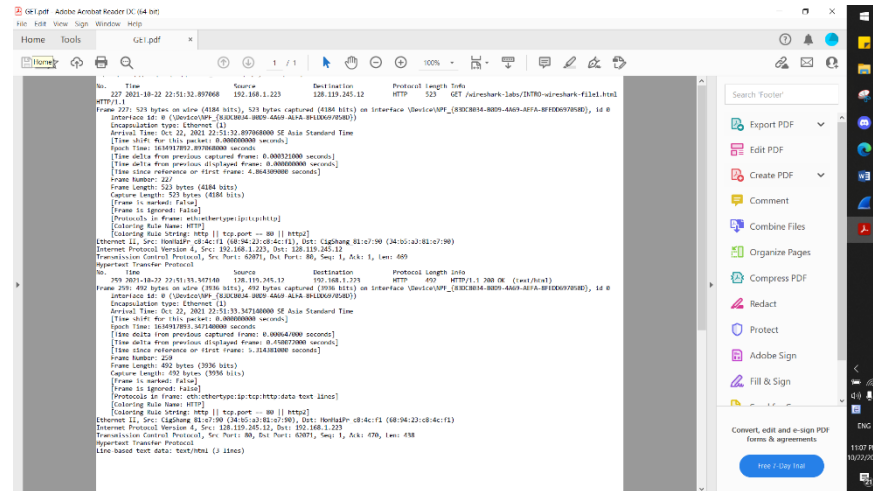
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Internet Protocol Version 4, Src: 43.239.137.235, Dst: 192.168.1.223
User Datagram Protocol, Src Port: 50002, Dst Port: 57504
Data (UDP bytes)

0000 68 04 23 c8 4c f2 34 35 a3 81 e7 90 00 00 45 68 h 8 L 4h
0010 00 e7 9a 17 00 00 86 11 71 23 2b e7 00 c8 c8 88 ..L 8 0 .qm.....
0020 01 ef 13 54 e9 e9 00 05 f9 05 00 78 0a 00 03 82 ...R.....A....
0030 bc 69 00 00 ea de be de 00 01 e8 a5 58 06 14 35 iY..5
0040 f2 a4 14 13 71 02 02 a5 28 a7 c8 3c 56 0a 4e up N

2. From 22:51:32.897 to 22:51:33.3471: It take 0.45 second

3. Internet address of gaia.cs.umass.edu: 128.119.245.12

Internet address of my computer: 192.168.1.223



4. As I show, the first capture of GET request, the second capture of OK response

LAB 1C