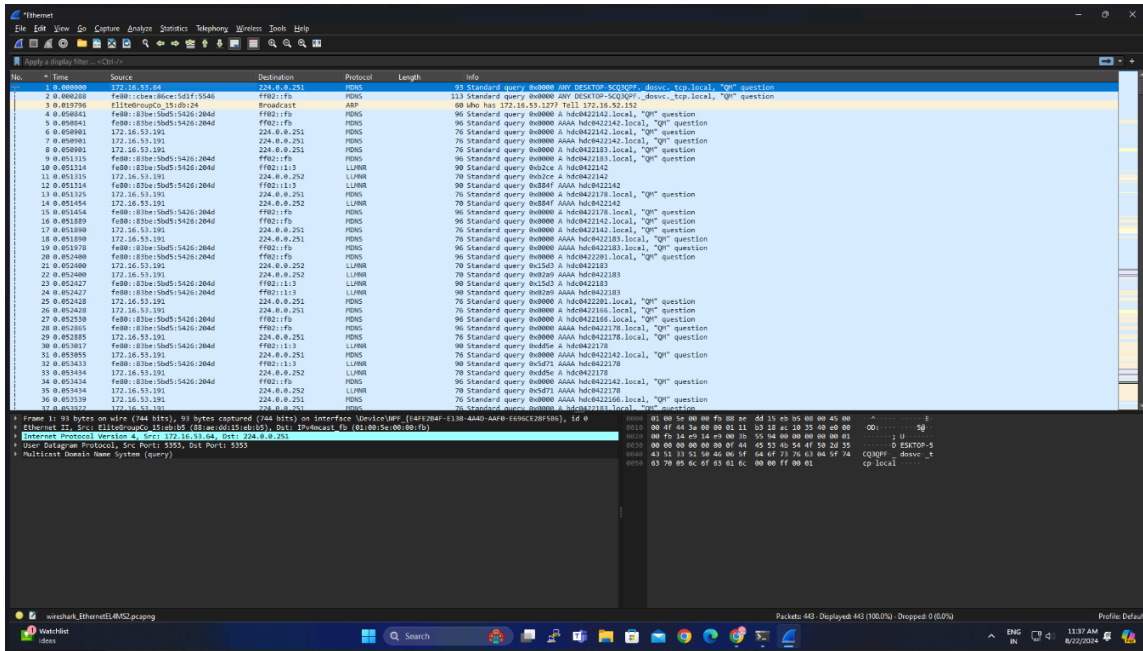


EXPERIMENT – 5

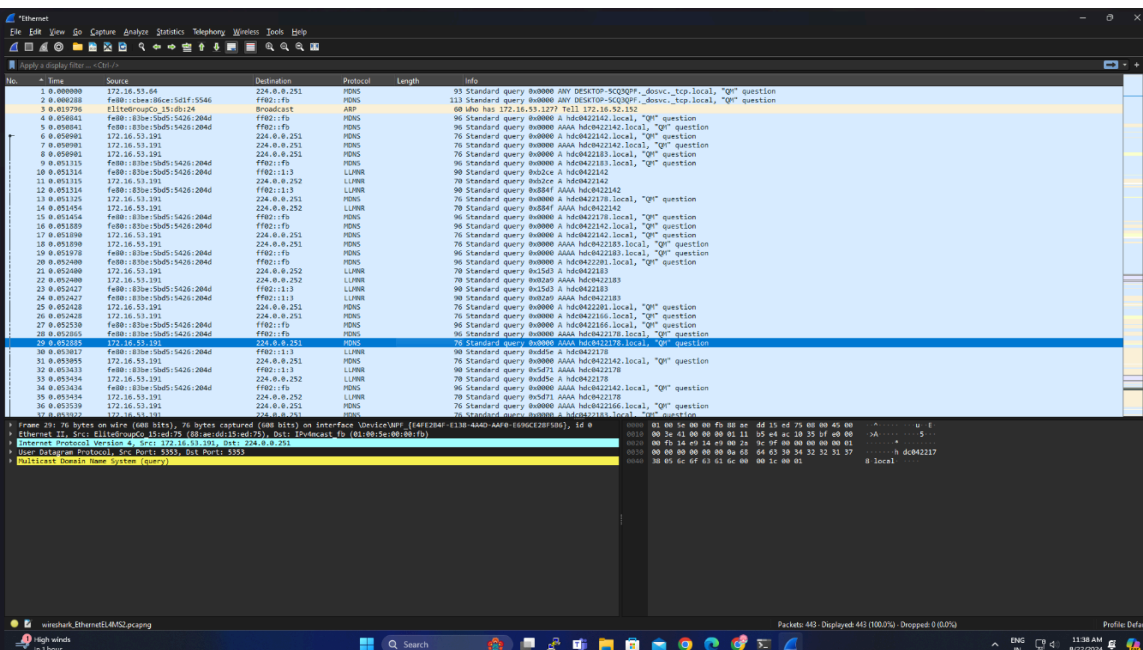
AIM: - Experiments on Packet capture tool: Wireshark

CAPTURING AND ANALYSING PACKETS USING WIRESHARK TOOL:

Packet 1:



Packet 2:



Packet 4:

Ethernet II

File Edit View Go Capture Analyze Statistics Telephony Windows Tools Help

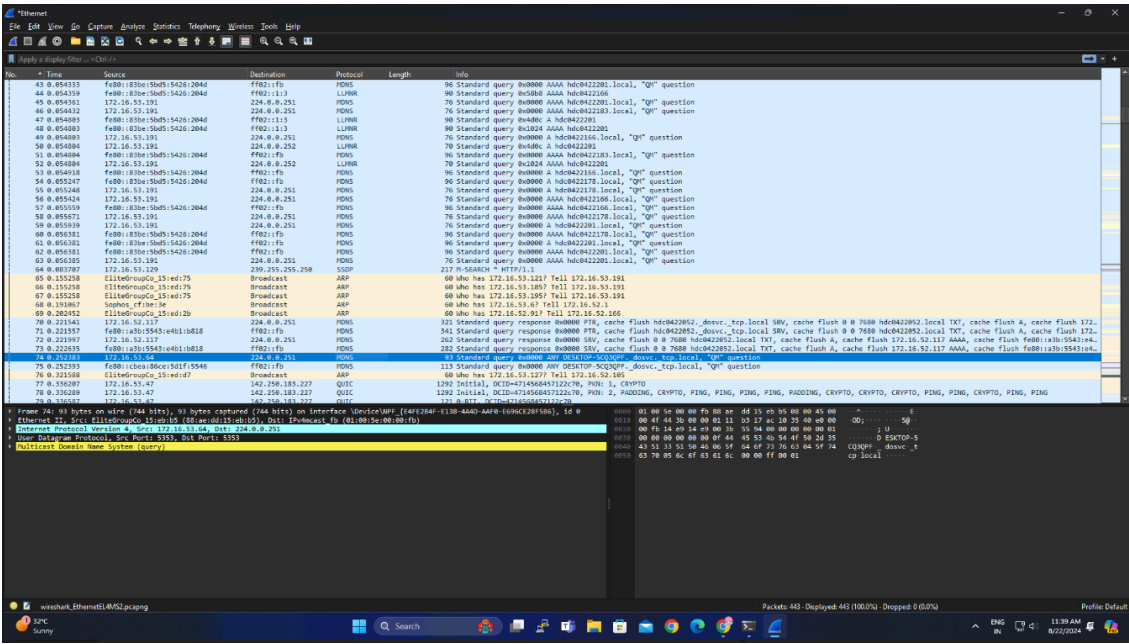
Apply a display filter:

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|----------|---------------------------|-------------|----------|--------|--|
| 28 | 0.652265 | fe8b::830a:50d5:5426:204d | ff02::1:f | PDNS | 96 | Standard query 0x0000 AAAA Hdcc422178.local, "Q" |
| 29 | 0.652805 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAAA Hdcc422178.local, "Q" |
| 30 | 0.653017 | fe8b::830a:50d5:5426:204d | ff02::1:1 | LNNR | 96 | Standard query 0x0000 AAAA Hdcc422178.local, "Q" |
| 31 | 0.653955 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAAA Hdcc422142.local, "Q" |
| 32 | 0.654343 | fe8b::830a:50d5:5426:204d | ff02::1:1 | LNNR | 96 | Standard query 0x0000 AAAA Hdcc422178.local, "Q" |
| 33 | 0.654354 | 172.16.53.191 | 224.0.0.252 | LNNR | 76 | Standard query 0x0000 AAAA Hdcc422142.local, "Q" |
| 34 | 0.654344 | fe8b::830a:50d5:5426:204d | ff02::1:f | PDNS | 96 | Standard query 0x0000 AAAA Hdcc422142.local, "Q" |
| 35 | 0.654354 | 172.16.53.191 | 224.0.0.252 | LNNR | 76 | Standard query 0x0000 AAAA Hdcc422178.local, "Q" |
| 36 | 0.653919 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAAA Hdcc422166.local, "Q" |
| 37 | 0.653922 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAA Hdcc422183.local, "Q" |
| 38 | 0.653933 | fe8b::830a:50d5:5426:204d | ff02::1:f | PDNS | 96 | Standard query 0x0000 AAAA Hdcc422166.local, "Q" |
| 39 | 0.653933 | fe8b::830a:50d5:5426:204d | ff02::1:f | PDNS | 96 | Standard query 0x0000 AAA Hdcc422183.local, "Q" |
| 40 | 0.653933 | 172.16.53.191 | 224.0.0.252 | LNNR | 96 | Standard query 0x0000 AAAA Hdcc422166.local, "Q" |
| 41 | 0.654083 | fe8b::830a:50d5:5426:204d | ff02::1:1 | LNNR | 96 | Standard query 0x0000 AAAA Hdcc422166.local, "Q" |
| 42 | 0.654133 | 172.16.53.191 | 224.0.0.252 | LNNR | 76 | Standard query 0x0000 AAAA Hdcc422166.local, "Q" |
| 43 | 0.654133 | fe8b::830a:50d5:5426:204d | ff02::1:f | PDNS | 96 | Standard query 0x0000 AAAA Hdcc422201.local, "Q" |
| 44 | 0.654139 | fe8b::830a:50d5:5426:204d | ff02::1:1 | LNNR | 96 | Standard query 0x0000 AAAA Hdcc422166.local, "Q" |
| 45 | 0.654561 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAAA Hdcc422201.local, "Q" |
| 46 | 0.654632 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAAA Hdcc422183.local, "Q" |
| 47 | 0.654680 | fe8b::830a:50d5:5426:204d | ff02::1:1 | LNNR | 96 | Standard query 0x0000 AAAA Hdcc422201.local, "Q" |
| 48 | 0.654803 | fe8b::830a:50d5:5426:204d | ff02::1:1 | LNNR | 96 | Standard query 0x0000 AAAA Hdcc422201.local, "Q" |
| 49 | 0.654803 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAAA Hdcc422166.local, "Q" |
| 50 | 0.654804 | 172.16.53.191 | 224.0.0.252 | LNNR | 76 | Standard query 0x0000 AAA Hdcc422201.local, "Q" |
| 51 | 0.654804 | fe8b::830a:50d5:5426:204d | ff02::1:f | PDNS | 96 | Standard query 0x0000 AAAA Hdcc422183.local, "Q" |
| 52 | 0.654804 | 172.16.53.191 | 224.0.0.252 | LNNR | 76 | Standard query 0x0000 AAAA Hdcc422201.local, "Q" |
| 53 | 0.654818 | fe8b::830a:50d5:5426:204d | ff02::1:f | PDNS | 96 | Standard query 0x0000 AAAA Hdcc422166.local, "Q" |
| 54 | 0.655047 | fe8b::830a:50d5:5426:204d | ff02::1:f | PDNS | 96 | Standard query 0x0000 AAAA Hdcc422178.local, "Q" |
| 55 | 0.655248 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAAA Hdcc422178.local, "Q" |
| 56 | 0.655248 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAAA Hdcc422178.local, "Q" |
| 57 | 0.655319 | fe8b::830a:50d5:5426:204d | ff02::1:f | PDNS | 96 | Standard query 0x0000 AAAA Hdcc422178.local, "Q" |
| 58 | 0.655319 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAAA Hdcc422201.local, "Q" |
| 59 | 0.655319 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAAA Hdcc422201.local, "Q" |
| 60 | 0.656181 | fe8b::830a:50d5:5426:204d | ff02::1:f | PDNS | 96 | Standard query 0x0000 AAAA Hdcc422178.local, "Q" |
| 61 | 0.656181 | fe8b::830a:50d5:5426:204d | ff02::1:f | PDNS | 96 | Standard query 0x0000 AAAA Hdcc422183.local, "Q" |
| 62 | 0.656181 | fe8b::830a:50d5:5426:204d | ff02::1:f | PDNS | 96 | Standard query 0x0000 AAAA Hdcc422201.local, "Q" |
| 63 | 0.656181 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAAA Hdcc422201.local, "Q" |
| 64 | 0.656182 | 172.16.53.191 | 224.0.0.251 | PDNS | 76 | Standard query 0x0000 AAAA Hdcc422201.local, "Q" |

```

0.654804 172.16.53.191:53: 60 bytes (60 octets), 76 bytes captured (76 octets) on interface 0 (eth0)
0.6
```

Packet 5:



RESULT: -

Capturing and analysing the packets have been done successfully using Wireshark.