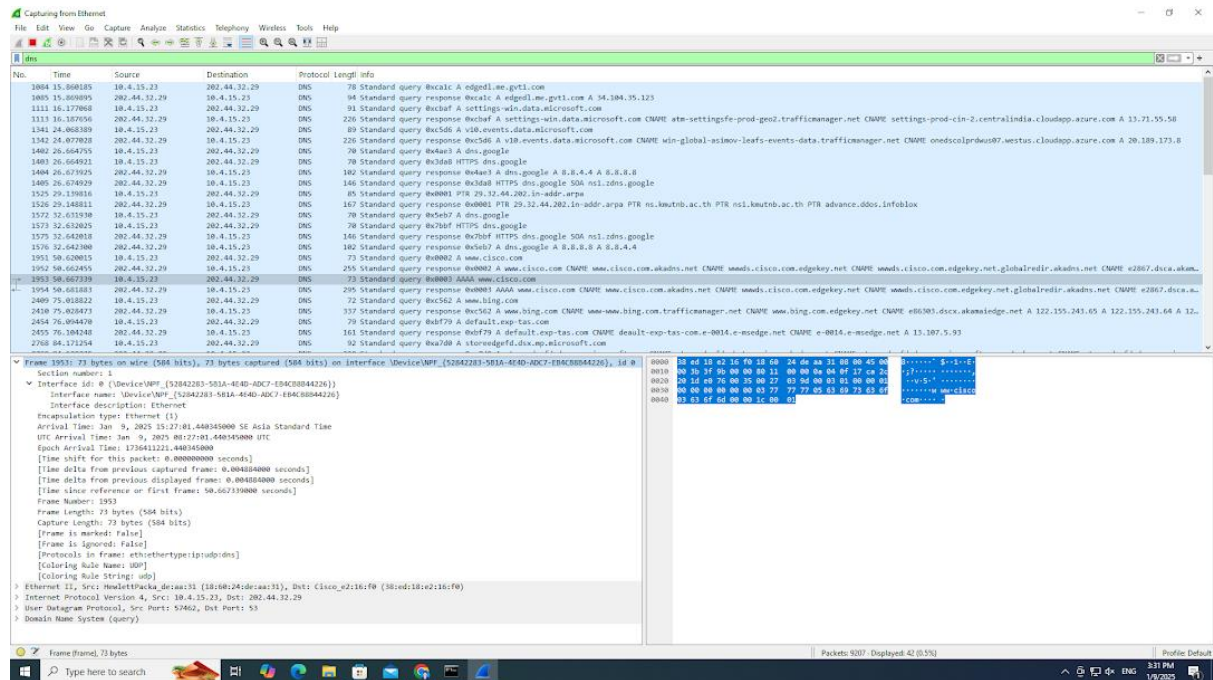
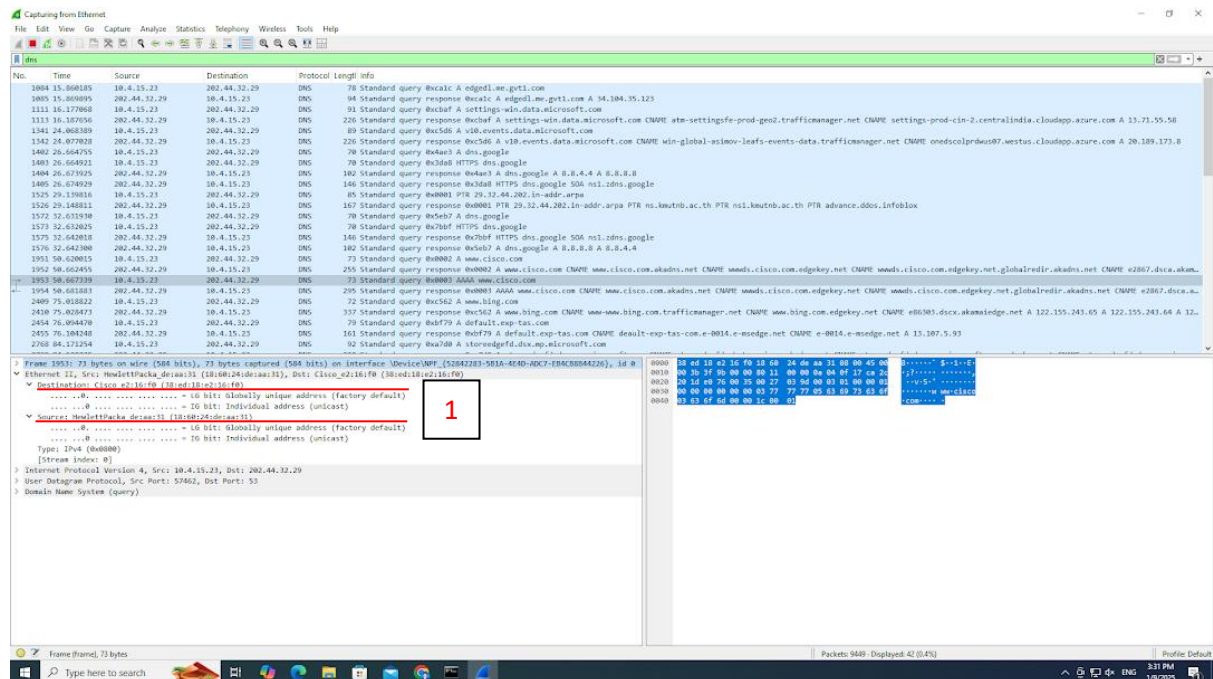


1. ลอง ping www.cisco.com แล้วใช้ wireshark ดักจับ packet โดยการ filter เฉพาะ DNS protocol



2. ลองขยายในส่วนของ Ethernet II ดู mac address ปลายทางและต้นทาง



3.ลองขยายในส่วนของ IPv4 ดู ip ต้นทางและปลายทาง

Wireshark packet capture showing an Internet Protocol Version 4 packet. The packet list shows a packet from 10.4.15.23 to 202.44.32.29. The packet details pane shows the IP header with Source Address: 10.4.15.23 and Destination Address: 202.44.32.29. A red box highlights the Destination Address field.

4.ลองขยายในส่วนของ UDP ดู port ต้นทางและปลายทาง

Wireshark packet capture showing a User Datagram Protocol (UDP) packet. The packet list shows a packet from 10.4.15.23 to 202.44.32.29. The packet details pane shows the UDP header with Source Port: 57462 and Destination Port: 53. A red box highlights the Destination Port field.

DNS (query)

```

Domain Name System (query)
Transaction ID: 0xe1cb
Flags: 0x0100 Standard query
 0... .. = Response: Message is a query
.000 0... .. = Opcode: Standard query (0)
... ..0... .. = Truncated: Message is not truncated
... ..1... .. = Recursion desired: Do query recursively
... ..0... .. = Z: reserved (0)
... ..0... .. = Non-authenticated data: Unacceptable
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
  www.cisco.com: type A, class IN
    Name: www.cisco.com
    [Name Length: 13]
    [Label Count: 3]
    Type: A (Host Address) (1)
    Class: IN (0x0001)
[Response In: 6154]

```

DNS (response)

```

Domain Name System (response)
Transaction ID: 0xe1cb
Flags: 0x8100 Standard query response, No error
 1... .. = Response: Message is a response
.000 0... .. = Opcode: Standard query (0)
... ..0... .. = Authoritative: Server is not an authority for domain
... ..0... .. = Truncated: Message is not truncated
... ..1... .. = Recursion desired: Do query recursively
... ..1... .. = Recursion available: Server can do recursive queries
... ..0... .. = Z: reserved (0)
... ..0... .. = Answer authenticated: Answer/authority portion was not authenticated by the server
... ..0... .. = Non-authenticated data: Unacceptable
... ..0000 = Reply code: No error (0)
Questions: 1
Answer RRs: 5
Authority RRs: 0
Additional RRs: 0
Queries
  www.cisco.com: type A, class IN
    Name: www.cisco.com
    [Name Length: 13]
    [Label Count: 3]
    Type: A (Host Address) (1)
    Class: IN (0x0001)
Answers
  > www.cisco.com: type CNAME, class IN, cname www.cisco.com.akadns.net
  > www.cisco.com.akadns.net: type CNAME, class IN, cname wwds.cisco.com.edgekey.net
  > wwds.cisco.com.edgekey.net: type CNAME, class IN, cname wwds.cisco.com.edgekey.net.globalredir.akadns.net
  > wwds.cisco.com.edgekey.net.globalredir.akadns.net: type CNAME, class IN, cname e2867.dsca.akamaiedge.net
  > e2867.dsca.akamaiedge.net: type A, class IN, addr 122.155.245.137
[Request In: 6153]
[Time: 0.011745000 seconds]

```