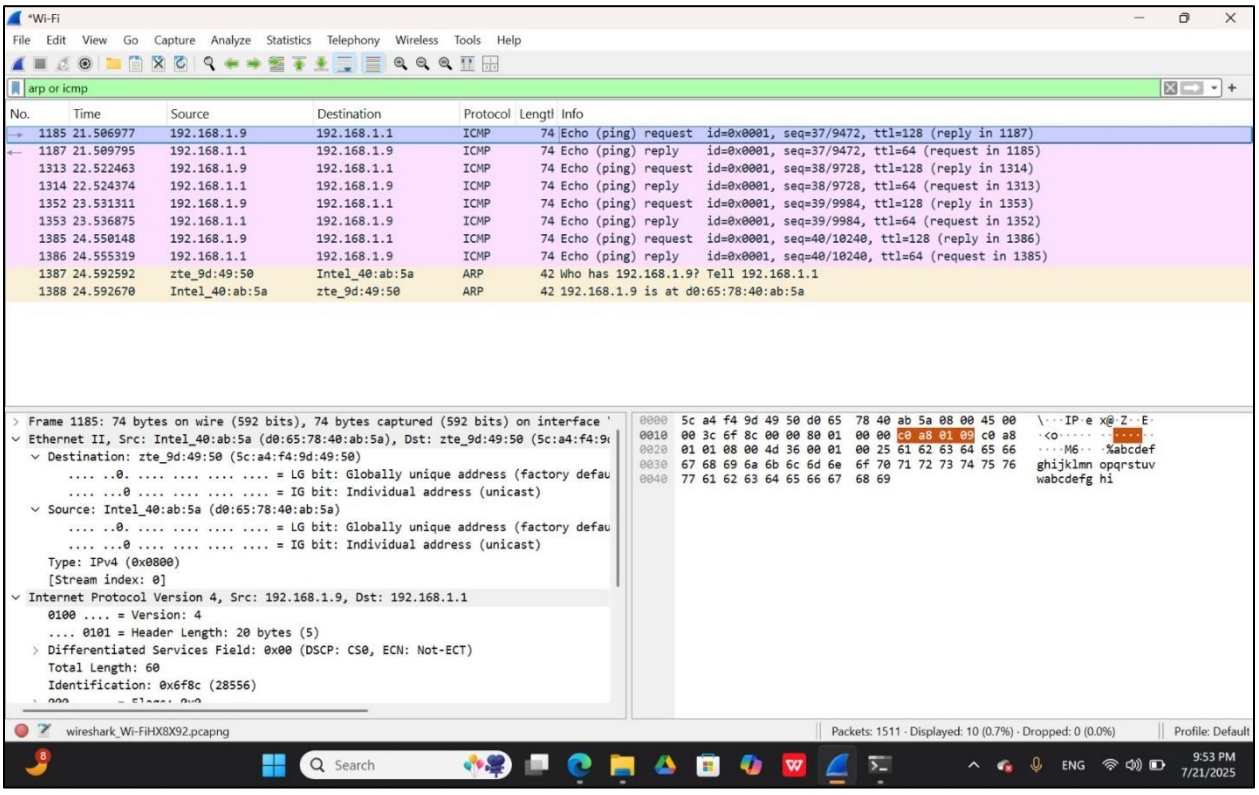
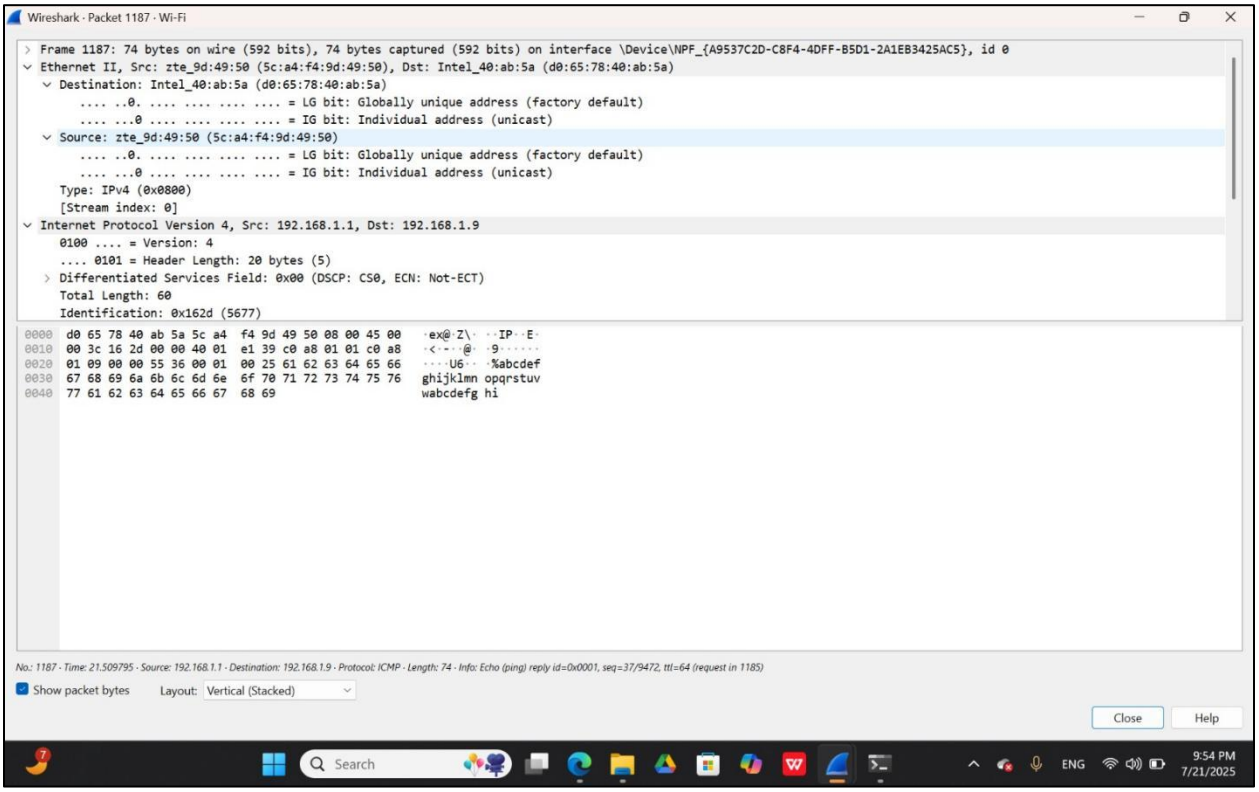
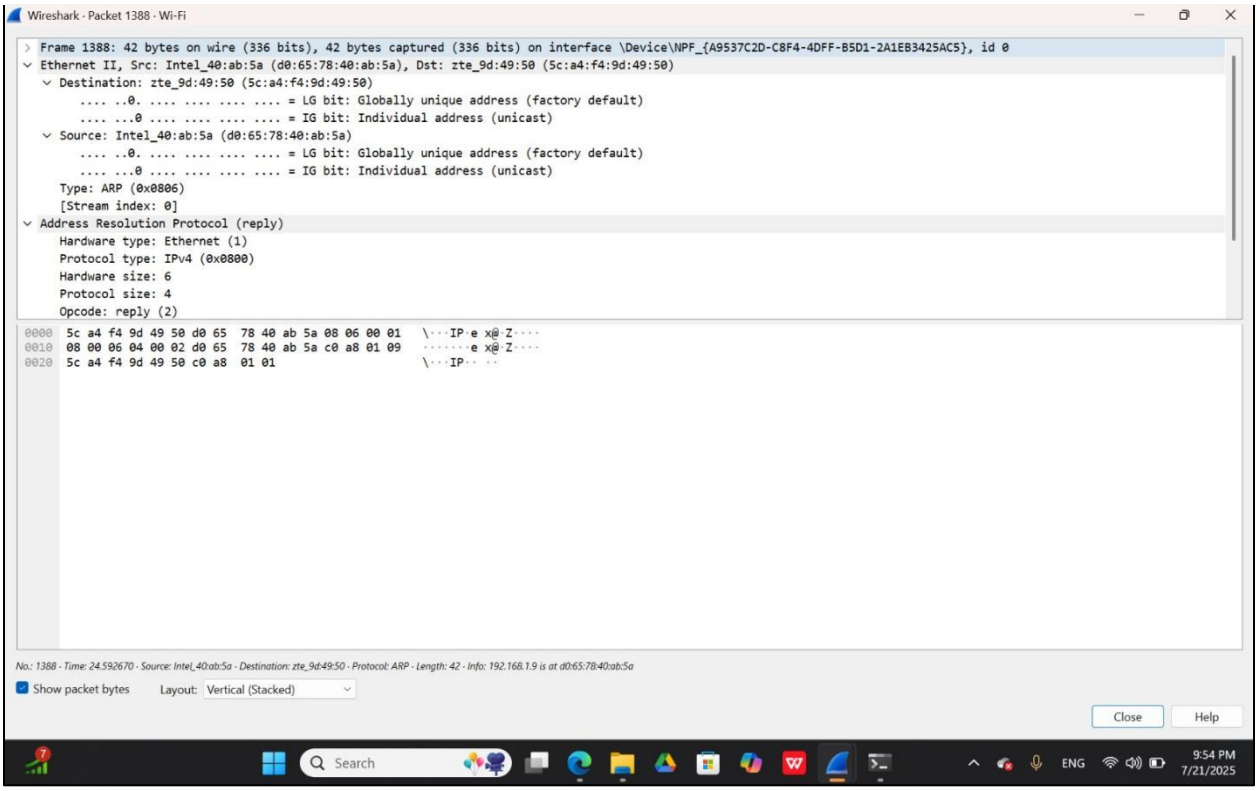
By : Mennat Allah Kamal Kamel

Wireshark Lab

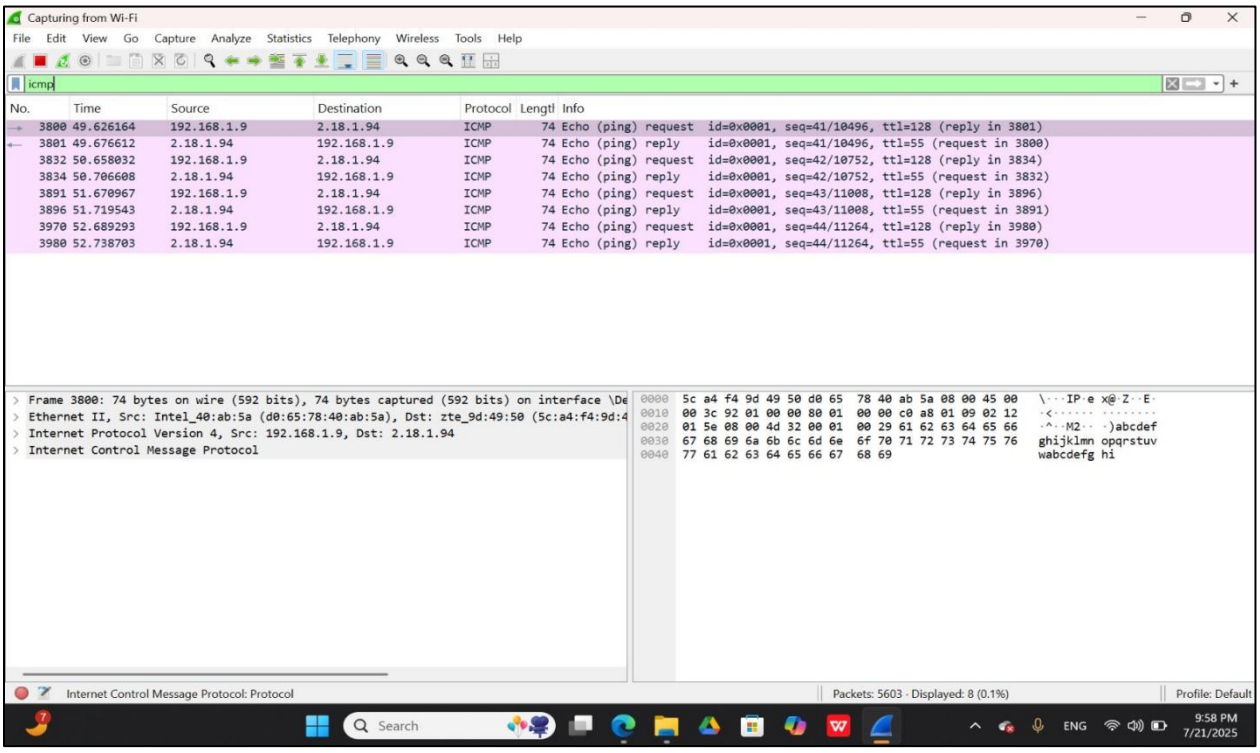
Ping gateway 192.168.1.1

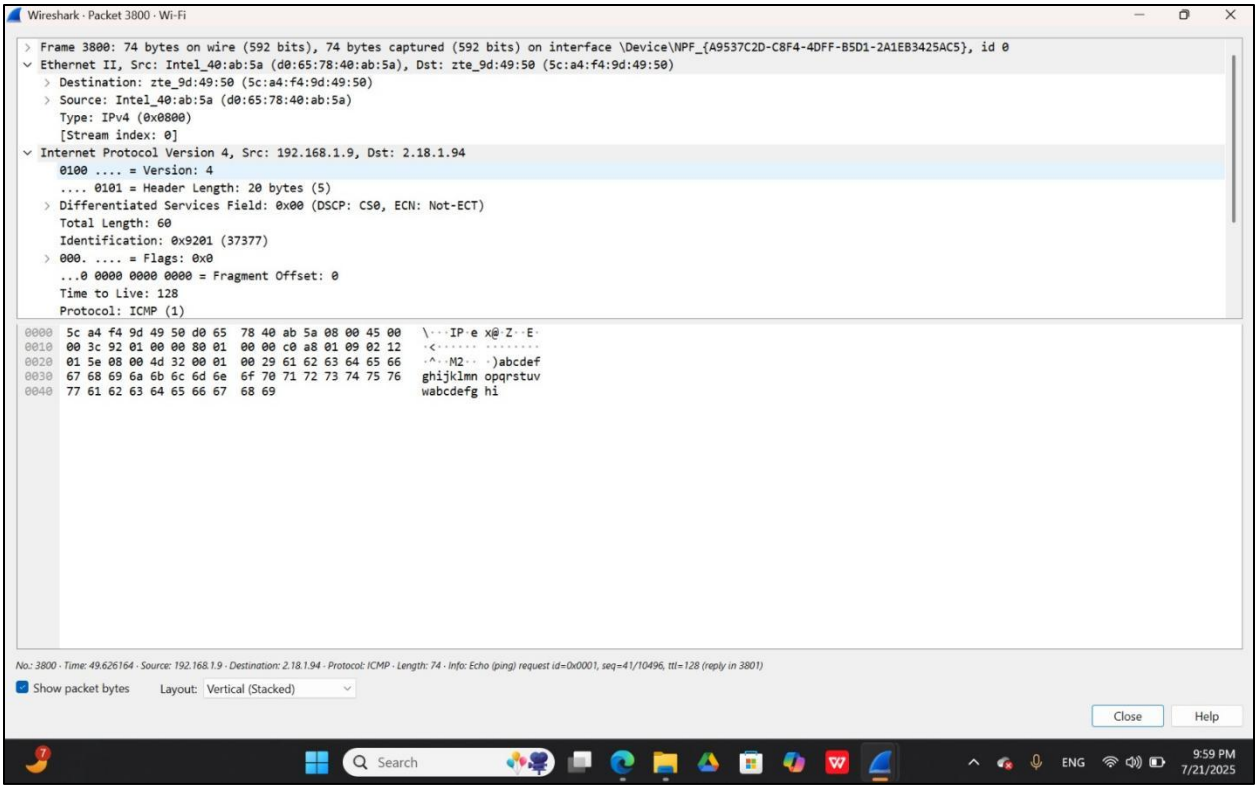


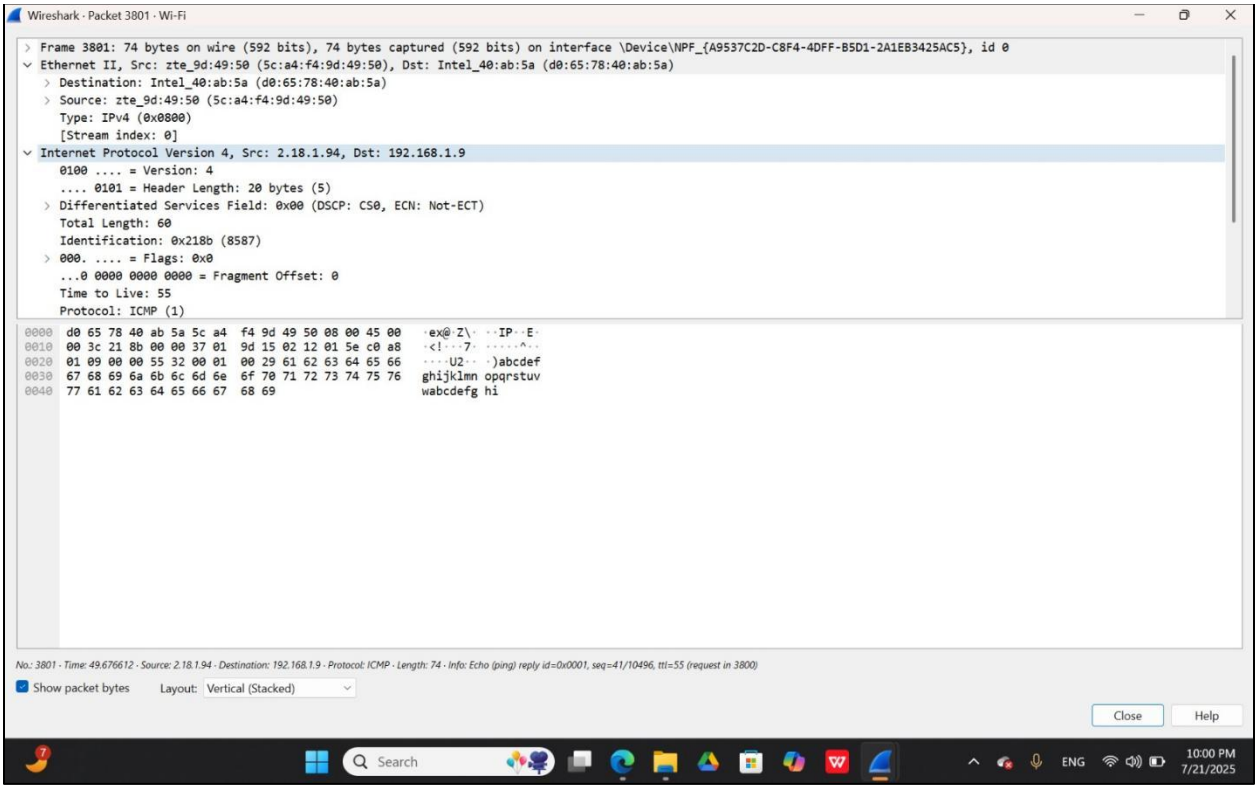




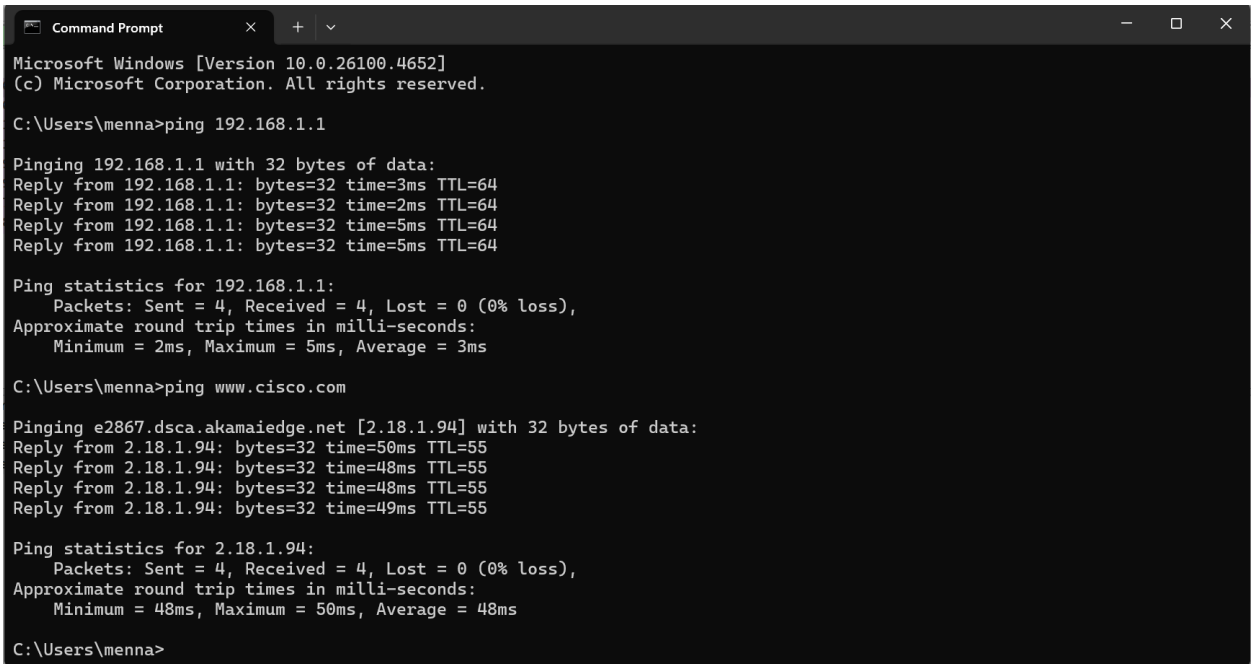
PING WWW.cisco.com:




Wireshark · Packet 3800 · Wi-Fi
Frame 3800: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface \Device\NPF_{A9537C2D-C8F4-4DFF-B5D1-2A1EB3425AC5}, id 0
Ethernet II, Src: Intel_40:ab:5a (d0:65:78:40:ab:5a), Dst: zte_9d:49:50 (5c:a4:f4:9d:49:50)
Destination: zte_9d:49:50 (5c:a4:f4:9d:49:50)
Source: Intel_40:ab:5a (d0:65:78:40:ab:5a)
Type: IPv4 (0x0800)
[Stream index: 0]
Internet Protocol Version 4, Src: 192.168.1.9, Dst: 2.18.1.94
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 60
Identification: 0x9201 (37377)
000. .... = Flags: 0x0
...0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 128
Protocol: ICMP (1)
0000 5c a4 f4 9d 49 50 d0 65 78 40 ab 5a 08 00 45 00
0010 00 3c 92 01 00 00 80 01 00 00 c0 a8 01 09 02 12
0020 01 5e 08 00 4d 32 00 01 00 29 61 62 63 64 65 66
0030 67 68 69 6a 6b 6c 6d 6e 6f 70 71 72 73 74 75 76
0040 77 61 62 63 64 65 66 67 68 69
No.: 3800 · Time: 49.626164 · Source: 192.168.1.9 · Destination: 2.18.1.94 · Protocol: ICMP · Length: 74 · Info: Echo (ping) request id=0x0001, seq=41/10496, ttl=128 (reply in 3801)
Show packet bytes
Layout: Vertical (Stacked)
Close
Help
Search
ENG
9:59 PM
7/21/2025


Wireshark · Packet 3801 · Wi-Fi
Frame 3801: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface \Device\NPF_{A9537C2D-C8F4-4DFF-B5D1-2A1EB3425AC5}, id 0
Ethernet II, Src: zte_9d:49:50 (5c:a4:f4:9d:49:50), Dst: Intel_40:ab:5a (d0:65:78:40:ab:5a)
Destination: Intel_40:ab:5a (d0:65:78:40:ab:5a)
Source: zte_9d:49:50 (5c:a4:f4:9d:49:50)
Type: IPv4 (0x0800)
[Stream index: 0]
Internet Protocol Version 4, Src: 2.18.1.94, Dst: 192.168.1.9
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 60
Identification: 0x218b (8587)
000. .... = Flags: 0x0
...0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 55
Protocol: ICMP (1)
0000 d0 65 78 40 ab 5a 5c a4 f4 9d 49 50 08 00 45 00
0010 00 3c 21 8b 00 00 37 01 9d 15 02 12 01 5e c0 a8
0020 01 09 00 00 55 32 00 01 00 29 61 62 63 64 65 66
0030 67 68 69 6a 6b 6c 6d 6e 6f 70 71 72 73 74 75 76
0040 77 61 62 63 64 65 66 67 68 69
No.: 3801 · Time: 49.676612 · Source: 2.18.1.94 · Destination: 192.168.1.9 · Protocol: ICMP · Length: 74 · Info: Echo (ping) reply id=0x0001, seq=41/10496, ttl=55 (request in 3800)
Show packet bytes
Layout: Vertical (Stacked)
Close
Help
Search
ENG
10:00 PM
7/21/2025

CMD:


Command Prompt
Microsoft Windows [Version 10.0.26100.4652]
(c) Microsoft Corporation. All rights reserved.
C:\Users\menna>ping 192.168.1.1
Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time=3ms TTL=64
Reply from 192.168.1.1: bytes=32 time=2ms TTL=64
Reply from 192.168.1.1: bytes=32 time=5ms TTL=64
Reply from 192.168.1.1: bytes=32 time=5ms TTL=64
Ping statistics for 192.168.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 5ms, Average = 3ms
C:\Users\menna>ping www.cisco.com
Pinging e2867.dsca.akamaiedge.net [2.18.1.94] with 32 bytes of data:
Reply from 2.18.1.94: bytes=32 time=50ms TTL=55
Reply from 2.18.1.94: bytes=32 time=48ms TTL=55
Reply from 2.18.1.94: bytes=32 time=48ms TTL=55
Reply from 2.18.1.94: bytes=32 time=49ms TTL=55
Ping statistics for 2.18.1.94:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 48ms, Maximum = 50ms, Average = 48ms
C:\Users\menna>