

Ethernet

Wireshark packet capture showing HTTP traffic on interface wlo1. The packet list shows four packets: 542 (GET /wireshark-labs/HTTP-ethereal-lab-fi), 553 (200 OK), 564 (GET /favicon.ico), and 573 (404 Not Found). Packet 542 is selected, showing details for Ethernet II, Internet Protocol Version 4, and Hypertext Transfer Protocol.

No.	Time	Source	Destination	Protocol	Length	Info
542	9.358792...	192.168.0.10	128.119.245.12	HTTP	535	GET /wireshark-labs/HTTP-ethereal-lab-fi
553	9.507154...	128.119.245.12	192.168.0.10	HTTP	49...	HTTP/1.1 200 OK (text/html)
564	9.658382...	192.168.0.10	128.119.245.12	HTTP	481	GET /favicon.ico HTTP/1.1
573	9.814921...	128.119.245.12	192.168.0.10	HTTP	550	HTTP/1.1 404 Not Found (text/html)

Frame 542: 535 bytes on wire (4280 bits), 535 bytes captured (4280 bits) on interface wlo1, id 0

Ethernet II, Src: IntelCor_6a:45:a5 (98:3b:8f:6a:45:a5), Dst: Shenzhen_05:27:69 (20:98:d8:05:27:69)

Internet Protocol Version 4, Src: 192.168.0.10, Dst: 128.119.245.12

- 0100 = Version: 4
- 0101 = Header Length: 20 bytes (5)
- Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
- Total Length: 521
- Identification: 0x0496 (1174)
- Flags: 0x40, Don't fragment
- ...0 0000 0000 0000 = Fragment Offset: 0
- Time to Live: 64
- Protocol: TCP (6)
- Header Checksum: 0xfe22 [validation disabled]
- [Header checksum status: Unverified]
- Source Address: 192.168.0.10
- Destination Address: 128.119.245.12

Transmission Control Protocol, Src Port: 56646, Dst Port: 80, Seq: 1, Ack: 1, Len: 469

Hypertext Transfer Protocol

0000 20 98 d8 05 27 69 98 3b 8f 6a 45 a5 08 00 45 00 ...'i.;.jE...E.
0010 02 09 04 96 40 00 40 06 fe 22 c0 a8 00 0a 80 77@.@"....w

wireshark_wlo1OTICN1.pcapng Packets: 715 · Displayed: 4 (0.6%) · Dropped: 0 (0.0%) Profile: Default

Wireshark packet capture showing Ethernet II traffic on interface wlo1. The packet list shows several packets, with packet 542 selected. The details pane shows Ethernet II, Destination: Shenzhen_05:27:69 (20:98:d8:05:27:69), Source: IntelCor_6a:45:a5 (98:3b:8f:6a:45:a5), and Type: IPv4 (0x0800).

No.	Time	Source	Destination	Protocol	Length	Info
539	9.354884...	Shenzhen_05:27...	IntelCor_6a:45...	0x08...	255	IPv4
540	9.358220...	Shenzhen_05:27...	IntelCor_6a:45...	0x08...	74	IPv4
541	9.358286...	IntelCor_6a:45...	Shenzhen_05:27...	0x08...	66	IPv4
542	9.358792...	IntelCor_6a:45...	Shenzhen_05:27...	0x08...	535	IPv4
543	9.359974...	Shenzhen_05:27...	IntelCor_6a:45...	0x08...	74	IPv4
544	9.360022...	IntelCor_6a:45...	Shenzhen_05:27...	0x08...	66	IPv4
545	9.377136...	Shenzhen_05:27...	IntelCor_6a:45...	0x08...	247	IPv4
546	9.398324...	Shenzhen_05:27...	IntelCor_6a:45...	0x08...	225	IPv4

Frame 542: 535 bytes on wire (4280 bits), 535 bytes captured (4280 bits) on interface wlo1, id 0

Ethernet II, Src: IntelCor_6a:45:a5 (98:3b:8f:6a:45:a5), Dst: Shenzhen_05:27:69 (20:98:d8:05:27:69)

- Destination: Shenzhen_05:27:69 (20:98:d8:05:27:69)
- Source: IntelCor_6a:45:a5 (98:3b:8f:6a:45:a5)
- Type: IPv4 (0x0800)

0000 20 98 d8 05 27 69 98 3b 8f 6a 45 a5 08 00 45 00 ...'i.;.jE...E.
0010 02 09 04 96 40 00 40 06 fe 22 c0 a8 00 0a 80 77@.@"....w

wireshark_wlo1OTICN1.pcapng Packets: 715 · Displayed: 715 (100.0%) · Dropped: 0 (0.0%) Profile: Default

1. 98:3b:8f:6a:45:a5
2. IntelCor_6a (мой компьютер)
3. 20:98:d8:05:27:69, мой роутер
4. 98:3b:8f:6a:45:a5, да

ARP

Apply a display filter ... <Ctrl-/>

No.	Time	Source	Destination	Protocol	Length	Info
233	10.81177...	IntelCor_6a:45...	Shenzhen_05:27...	0x08...	243	IPv4
234	10.81946...	IntelCor_6a:45...	Shenzhen_05:27...	0x08...	140	IPv4
235	10.82743...	IntelCor_6a:45...	Shenzhen_05:27...	0x08...	243	IPv4
236	10.84806...	IntelCor_6a:45...	Broadcast	ARP	42	Who has 192.168.0.1? Tell 192.168.0.10
237	10.85047...	Shenzhen_05:27...	IntelCor_6a:45...	ARP	42	192.168.0.1 is at 20:98:d8:05:27:69
238	10.85048...	IntelCor_6a:45...	Shenzhen_05:27...	0x08...	243	IPv4

Frame 236: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface wlo1, id 0

Ethernet II, Src: IntelCor_6a:45:a5 (98:3b:8f:6a:45:a5), Dst: Broadcast (ff:ff:ff:ff:ff:ff)

- Destination: Broadcast (ff:ff:ff:ff:ff:ff)
- Source: IntelCor_6a:45:a5 (98:3b:8f:6a:45:a5)
- Type: ARP (0x0806)
- Address Resolution Protocol (request)

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0000  ff ff ff ff ff ff 98 3b 8f 6a 45 a5 08 06 00 01  .....;..jE.....
0010  08 00 06 04 00 01 98 3b 8f 6a 45 a5 c0 a8 00 0a  .....;..jE.....
0020  00 00 00 00 00 00 c0 a8 00 01  .....
  
```

wireshark_wlo1L2F4M1.pcapng Packets: 500 · Displayed: 500 (100.0%) · Dropped: 0 (0.0%) Profile: Default

1. IntelCor_6a (98:3b:8f:6a:45:a5)
Broadcast (ff:ff:ff:ff:ff:ff)
2. Да

Hardware type: Ethernet (1)

Protocol type: IPv4 (0x0800)

Hardware size: 6

Protocol size: 4

Opcode: request (1)

Sender MAC address: IntelCor_6a:45:a5 (98:3b:8f:6a:45:a5)

Sender IP address: 192.168.0.10

Target MAC address: 00:00:00:00:00:00 (00:00:00:00:00:00)

Target IP address: 192.168.0.1

3. ADP request, Target Mac address
4. ADP reply, Sender Mac address

Apply a display filter ... <Ctrl-/>

No.	Time	Source	Destination	Protocol	Length	Info
235	10.82743...	IntelCor_6a:45...	Shenzhen_05:27...	0x08...	243	IPv4
236	10.84806...	IntelCor_6a:45...	Broadcast	ARP	42	Who has 192.168.0.1? Tell 192.168.0.10
237	10.85047...	Shenzhen_05:27...	IntelCor_6a:45...	ARP	42	192.168.0.1 is at 20:98:d8:05:27:69
238	10.85048...	IntelCor_6a:45...	Shenzhen_05:27...	0x08...	243	IPv4

Hardware type: Ethernet (1)

Protocol type: IPv4 (0x0800)

Hardware size: 6

Protocol size: 4

Opcode: reply (2)

Sender MAC address: Shenzhen_05:27:69 (20:98:d8:05:27:69)

Sender IP address: 192.168.0.1

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0000  98 3b 8f 6a 45 a5 20 98 d8 05 27 69 08 06 00 01  .;..jE...'.i....
0010  08 00 06 04 00 02 20 98 d8 05 27 69 c0 a8 00 01  .....'.i....
0020  98 3b 8f 6a 45 a5 c0 a8 00 0a  .....;..jE....
  
```

Sender MAC address (arp.src.hw_mac), 6 bytes Packets: 500 · Displayed: 500 (100.0%) · Dropped: 0 (0.0%) Profile: Default