

No.	Time	Source	Destination	Protocol	Length	Info
42	2023-02-12 22:46:11.165668	10.162.31.137	128.119.245.12	HTTP	637	GET /wireshark-labs/HTTP-wireshark-file1.html

HTTP/1.1

Frame 42: 637 bytes on wire (5096 bits), 637 bytes captured (5096 bits) on interface \Device\NPF\_{1DD7923C-13AB-467D-9439-E2A4D71AF3BC}, id 0

Section number: 1

Interface id: 0 (\Device\NPF\_{1DD7923C-13AB-467D-9439-E2A4D71AF3BC})

Encapsulation type: Ethernet (1)

Arrival Time: Feb 12, 2023 22:46:11.165668000 Eastern Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1676259971.165668000 seconds

[Time delta from previous captured frame: 0.000283000 seconds]

[Time delta from previous displayed frame: 0.000000000 seconds]

[Time since reference or first frame: 4.840050000 seconds]

Frame Number: 42

Frame Length: 637 bytes (5096 bits)

Capture Length: 637 bytes (5096 bits)

[Frame is marked: True]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:tcp:http]

[Coloring Rule Name: HTTP]

[Coloring Rule String: http || tcp.port == 80 || http2]

Ethernet II, Src: Micro-St\_06:51:9e (00:d8:61:06:51:9e), Dst: Routerbo\_eb:56:c3 (08:55:31:eb:56:c3)

Destination: Routerbo\_eb:56:c3 (08:55:31:eb:56:c3)

Address: Routerbo\_eb:56:c3 (08:55:31:eb:56:c3)

.... 0. .... = LG bit: Globally unique address (factory default)

.... 0. .... = IG bit: Individual address (unicast)

Source: Micro-St\_06:51:9e (00:d8:61:06:51:9e)

Address: Micro-St\_06:51:9e (00:d8:61:06:51:9e)

.... 0. .... = LG bit: Globally unique address (factory default)

.... 0. .... = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 10.162.31.137, Dst: 128.119.245.12

0100 .... = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... 0.0 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 623

Identification: 0x66b8 (26296)

010. .... = Flags: 0x2, Don't fragment

0... .... = Reserved bit: Not set

.1.. .... = Don't fragment: Set

..0. .... = More fragments: Not set

...0 0000 0000 0000 = Fragment Offset: 0

Time to Live: 128

Protocol: TCP (6)

Header Checksum: 0x0000 [validation disabled]

[Header checksum status: Unverified]

Source Address: 10.162.31.137

Destination Address: 128.119.245.12

Transmission Control Protocol, Src Port: 57629, Dst Port: 80, Seq: 1, Ack: 1, Len: 583

Source Port: 57629

Destination Port: 80

[Stream index: 4]

[Conversation completeness: Incomplete (12)]

[TCP Segment Len: 583]

Sequence Number: 1 (relative sequence number)

Sequence Number (raw): 311770680

[Next Sequence Number: 584 (relative sequence number)]

Acknowledgment Number: 1 (relative ack number)

Acknowledgment number (raw): 2935686137

0101 .... = Header Length: 20 bytes (5)

Flags: 0x018 (PSH, ACK)

000. .... = Reserved: Not set

...0 .... = Accurate ECN: Not set

.... 0... = Congestion Window Reduced: Not set

.... .0.. = ECN-Echo: Not set

.... ..0. = Urgent: Not set

.... ...1 = Acknowledgment: Set

.... .... 1.. = Push: Set

.... .... .0.. = Reset: Not set

.... .... ..0. = Syn: Not set

.... .... ...0 = Fin: Not set

[TCP Flags: .....AP...]

Window: 1026

[Calculated window size: 1026]

[Window size scaling factor: -1 (unknown)]

Checksum: 0xa210 [unverified]

[Checksum Status: Unverified]

Urgent Pointer: 0

[Timestamps]

[Time since first frame in this TCP stream: 0.000000000 seconds]

[Time since previous frame in this TCP stream: 0.000000000 seconds]

[SEQ/ACK analysis]

[Bytes in flight: 583]

[Bytes sent since last PSH flag: 583]

TCP payload (583 bytes)

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Hypertext Transfer Protocol
GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1\r\n
[Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1\r\n]
[GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1\r\n]
[Severity level: Chat]
[Group: Sequence]
Request Method: GET
Request URI: /wireshark-labs/HTTP-wireshark-file1.html
Request Version: HTTP/1.1
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
Cache-Control: max-age=0\r\n
Upgrade-Insecure-Requests: 1\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/109.0.0.0 Safari/537.36\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: en-US,en;q=0.9\r\n
If-None-Match: "80-5f47b43f5b3ce"\r\n
If-Modified-Since: Sun, 12 Feb 2023 06:59:01 GMT\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html]
[HTTP request 1/1]
[Response in frame: 45]

No.      Time                               Source                               Destination                         Protocol Length Info
    45  2023-02-12 22:46:11.189923      128.119.245.12                       10.162.31.137                       HTTP      293      HTTP/1.1 304 Not Modified

Frame 45: 293 bytes on wire (2344 bits), 293 bytes captured (2344 bits) on interface \Device\NPF_{1DD7923C-13AB-467D-9439-E2A4D71AF3BC}, id 0
Section number: 1
Interface id: 0 (\Device\NPF_{1DD7923C-13AB-467D-9439-E2A4D71AF3BC})
Encapsulation type: Ethernet (1)
Arrival Time: Feb 12, 2023 22:46:11.189923000 Eastern Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1676259971.189923000 seconds
[Time delta from previous captured frame: 0.001568000 seconds]
[Time delta from previous displayed frame: 0.024255000 seconds]
[Time since reference or first frame: 4.864305000 seconds]
Frame Number: 45
Frame Length: 293 bytes (2344 bits)
Capture Length: 293 bytes (2344 bits)
[Frame is marked: True]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:tcp:http]
[Coloring Rule Name: HTTP]
[Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: Routerbo_eb:56:c3 (08:55:31:eb:56:c3), Dst: Micro-St_06:51:9e (00:d8:61:06:51:9e)
Destination: Micro-St_06:51:9e (00:d8:61:06:51:9e)
Address: Micro-St_06:51:9e (00:d8:61:06:51:9e)
.... 0. .... = LG bit: Globally unique address (factory default)
.... 0. .... = IG bit: Individual address (unicast)
Source: Routerbo_eb:56:c3 (08:55:31:eb:56:c3)
Address: Routerbo_eb:56:c3 (08:55:31:eb:56:c3)
.... 0. .... = LG bit: Globally unique address (factory default)
.... 0. .... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.162.31.137
0100 .... = Version: 4
... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 279
Identification: 0x8275 (33397)
010. .... = Flags: 0x2, Don't fragment
0... .... = Reserved bit: Not set
.1.. .... = Don't fragment: Set
..0. .... = More fragments: Not set
...0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 51
Protocol: TCP (6)
Header Checksum: 0x24bd [validation disabled]
[Header checksum status: Unverified]
Source Address: 128.119.245.12
Destination Address: 10.162.31.137
Transmission Control Protocol, Src Port: 80, Dst Port: 57629, Seq: 1, Ack: 584, Len: 239
Source Port: 80
Destination Port: 57629
[Stream index: 4]
[Conversation completeness: Incomplete (12)]
[TCP Segment Len: 239]
Sequence Number: 1 (relative sequence number)
Sequence Number (raw): 2935686137
[Next Sequence Number: 240 (relative sequence number)]
Acknowledgment Number: 584 (relative ack number)
Acknowledgment number (raw): 311771263
0101 .... = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
000. .... = Reserved: Not set
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...0 .... = Accurate ECN: Not set
.... 0... = Congestion Window Reduced: Not set
.... .0.. = ECN-Echo: Not set
.... ..0. = Urgent: Not set
.... ...1 = Acknowledgment: Set
.... .... 1... = Push: Set
.... ..... .0.. = Reset: Not set
.... ..... ..0. = Syn: Not set
.... ..... ...0 = Fin: Not set
[TCP Flags: .....AP...]
Window: 238
[Calculated window size: 238]
[Window size scaling factor: -1 (unknown)]
Checksum: 0xf972 [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
[Time since first frame in this TCP stream: 0.024255000 seconds]
[Time since previous frame in this TCP stream: 0.001568000 seconds]
[SEQ/ACK analysis]
[Bytes in flight: 239]
[Bytes sent since last PSH flag: 239]
TCP payload (239 bytes)
Hypertext Transfer Protocol
HTTP/1.1 304 Not Modified\r\n
[Expert Info (Chat/Sequence): HTTP/1.1 304 Not Modified\r\n]
[HTTP/1.1 304 Not Modified\r\n]
[Severity level: Chat]
[Group: Sequence]
Response Version: HTTP/1.1
Status Code: 304
[Status Code Description: Not Modified]
Response Phrase: Not Modified
Date: Mon, 13 Feb 2023 03:46:10 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod_perl/2.0.11 Perl/v5.16.3\r\n
Connection: Keep-Alive\r\n
Keep-Alive: timeout=5, max=100\r\n
ETag: "80-5f47b43f5b3ce"\r\n
\r\n
[HTTP response 1/1]
[Time since request: 0.024255000 seconds]
[Request in frame: 42]
[Request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html]
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