

No.	Time	Source	Destination	Protocol	Length	Info
705	14.711827	202.141.180.194	128.119.245.12	HTTP	678	GET /wireshark-labs/HTTP-wireshark-

file2.html HTTP/1.1

Frame 705: 678 bytes on wire (5424 bits), 678 bytes captured (5424 bits) on interface \Device\NPF\_{8F4CCA7D-037E-4F4A-A903-982EA39577AF}, id 0

Section number: 1

Interface id: 0 (\Device\NPF\_{8F4CCA7D-037E-4F4A-A903-982EA39577AF})

Interface name: \Device\NPF\_{8F4CCA7D-037E-4F4A-A903-982EA39577AF}

Interface description: WLAN

Encapsulation type: Ethernet (1)

Arrival Time: Oct 5, 2023 13:55:58.888340000 中国标准时间

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1696485358.888340000 seconds

[Time delta from previous captured frame: 0.001826000 seconds]

[Time delta from previous displayed frame: 2.058373000 seconds]

[Time since reference or first frame: 14.711827000 seconds]

Frame Number: 705

Frame Length: 678 bytes (5424 bits)

Capture Length: 678 bytes (5424 bits)

[Frame is marked: False]

[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: LiteonTe\_9d:af:b3 (74:4c:a1:9d:af:b3), Dst: VMware\_9f:00:7f (00:50:56:9f:00:7f)

Destination: VMware\_9f:00:7f (00:50:56:9f:00:7f)

Address: VMware\_9f:00:7f (00:50:56:9f:00:7f)

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

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

Source: LiteonTe\_9d:af:b3 (74:4c:a1:9d:af:b3)

Address: LiteonTe\_9d:af:b3 (74:4c:a1:9d:af:b3)

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

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

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 202.141.180.194, 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)

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

Total Length: 664

Identification: 0xc4f7 (50423)

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: 0x3e94 [validation disabled]

[Header checksum status: Unverified]

Source Address: 202.141.180.194

Destination Address: 128.119.245.12

Transmission Control Protocol, Src Port: 50392, Dst Port: 80, Seq: 971, Ack: 1215, Len: 624

Source Port: 50392

Destination Port: 80

[Stream index: 10]

[Conversation completeness: Incomplete, DATA (15)]

[TCP Segment Len: 624]

Sequence Number: 971 (relative sequence number)

Sequence Number (raw): 4144068955

[Next Sequence Number: 1595 (relative sequence number)]

Acknowledgment Number: 1215 (relative ack number)

Acknowledgment number (raw): 2273302469

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: 508
[Calculated window size: 130048]
[Window size scaling factor: 256]
Checksum: 0xb5e1 [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
[Time since first frame in this TCP stream: 3.017795000 seconds]
[Time since previous frame in this TCP stream: 2.017178000 seconds]
[SEQ/ACK analysis]
[iRTT: 0.275452000 seconds]
[Bytes in flight: 624]
[Bytes sent since last PSH flag: 624]
TCP payload (624 bytes)
Hypertext Transfer Protocol
GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n
[Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n]
[GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n]
[Severity level: Chat]
[Group: Sequence]
Request Method: GET
Request URI: /wireshark-labs/HTTP-wireshark-file2.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/117.0.0.0
Safari/537.36 Edg/117.0.2045.47\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: zh-CN,zh;q=0.9,en;q=0.8,en-GB;q=0.7,en-US;q=0.6\r\n
If-None-Match: "173-606f1c3d0b269"\r\n
If-Modified-Since: Thu, 05 Oct 2023 05:55:02 GMT\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html]
[HTTP request 3/3]
[Prev request in frame: 574]
[Response in frame: 715]
No.      Time      Source      Destination      Protocol Length Info
 715 14.987979 128.119.245.12 202.141.180.194 HTTP 293 HTTP/1.1 304 Not Modified
Frame 715: 293 bytes on wire (2344 bits), 293 bytes captured (2344 bits) on interface \Device\NPF_{8F4CCA7D-037E-4F4A-A903-982EA39577AF}, id 0
Section number: 1
Interface id: 0 (\Device\NPF_{8F4CCA7D-037E-4F4A-A903-982EA39577AF})
Interface name: \Device\NPF_{8F4CCA7D-037E-4F4A-A903-982EA39577AF}
Interface description: WLAN
Encapsulation type: Ethernet (1)
Arrival Time: Oct 5, 2023 13:55:59.164492000 中国标准时间
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1696485359.164492000 seconds
[Time delta from previous captured frame: 0.011281000 seconds]
[Time delta from previous displayed frame: 0.276152000 seconds]
[Time since reference or first frame: 14.987979000 seconds]
Frame Number: 715
Frame Length: 293 bytes (2344 bits)
Capture Length: 293 bytes (2344 bits)
[Frame is marked: False]
[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: VMware_9f:00:7f (00:50:56:9f:00:7f), Dst: LiteonTe_9d:af:b3 (74:4c:a1:9d:af:b3)
Destination: LiteonTe_9d:af:b3 (74:4c:a1:9d:af:b3)
Address: LiteonTe_9d:af:b3 (74:4c:a1:9d:af:b3)
.... ..0. .... = LG bit: Globally unique address (factory default)
.... ..0 .... = IG bit: Individual address (unicast)
Source: VMware_9f:00:7f (00:50:56:9f:00:7f)
Address: VMware_9f:00:7f (00:50:56:9f:00:7f)
.... ..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: 202.141.180.194

0100 .... = Version: 4

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

Differentiated Services Field: 0x04 (DSCP: LE, ECN: Not-ECT)

0000 01.. = Differentiated Services Codepoint: Lower Effort (1)

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

Total Length: 279

Identification: 0x125f (4703)

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: 34

Protocol: TCP (6)

Header Checksum: 0x50aa [validation disabled]

[Header checksum status: Unverified]

Source Address: 128.119.245.12

Destination Address: 202.141.180.194

Transmission Control Protocol, Src Port: 80, Dst Port: 50392, Seq: 1215, Ack: 1595, Len: 239

Source Port: 80

Destination Port: 50392

[Stream index: 10]

[Conversation completeness: Incomplete, DATA (15)]

[TCP Segment Len: 239]

Sequence Number: 1215 (relative sequence number)

Sequence Number (raw): 2273302469

[Next Sequence Number: 1454 (relative sequence number)]

Acknowledgment Number: 1595 (relative ack number)

Acknowledgment number (raw): 4144069579

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: 255

[Calculated window size: 32640]

[Window size scaling factor: 128]

Checksum: 0x0190 [unverified]

[Checksum Status: Unverified]

Urgent Pointer: 0

[Timestamps]

[Time since first frame in this TCP stream: 3.293947000 seconds]

[Time since previous frame in this TCP stream: 0.276152000 seconds]

[SEQ/ACK analysis]

[This is an ACK to the segment in frame: 705]

[The RTT to ACK the segment was: 0.276152000 seconds]

[iRTT: 0.275452000 seconds]

[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\r\n]

[HTTP/1.1 304 Not Modified\r\n\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: Thu, 05 Oct 2023 05:55:58 GMT\r\n\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\r\n

Connection: Keep-Alive\r\n\r\n

Keep-Alive: timeout=5, max=98\r\n\r\n

ETag: "173-606f1c3d0b269"\r\n\r\n

\r\n\r\n

[HTTP response 3/3]  
[Time since request: 0.276152000 seconds]  
[Prev request in frame: 574]  
[Prev response in frame: 591]  
[Request in frame: 705]  
[Request URI: <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html>]