

No.	Time	Source	Destination	Protocol	Length	Info
95	1.552538	77.47.196.43	128.119.245.12	HTTP	535	GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1

Frame 95: 535 bytes on wire (4280 bits), 535 bytes captured (4280 bits) on interface \Device\NPF_{954891DB-91AE-47BD-AFB8-40AC2A021D56}, id 0
Ethernet II, Src: ASUSTekC_86:a9:bb (24:4b:fe:86:a9:bb), Dst: Hangzhou_9d:38:c8 (00:0f:e2:9d:38:c8)
Internet Protocol Version 4, Src: 77.47.196.43, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 57649, Dst Port: 80, Seq: 1, Ack: 1, Len: 481
Source Port: 57649
Destination Port: 80
[Stream index: 5]
[Conversation completeness: Incomplete, DATA (15)]
[TCP Segment Len: 481]
Sequence Number: 1 (relative sequence number)
Sequence Number (raw): 378214607
[Next Sequence Number: 482 (relative sequence number)]
Acknowledgment Number: 1 (relative ack number)
Acknowledgment number (raw): 4181028650
0101 = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window: 513
[Calculated window size: 131328]
[Window size scaling factor: 256]
Checksum: 0x88da [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
[SEQ/ACK analysis]
TCP payload (481 bytes)
Hypertext Transfer Protocol
GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1\r\n
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\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/106.0.0.0 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,uk;q=0.8\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html]
[HTTP request 1/2]
[Response in frame: 100]
[Next request in frame: 101]

No.	Time	Source	Destination	Protocol	Length	Info
100	1.671848	128.119.245.12	77.47.196.43	HTTP	1355	HTTP/1.1 200 OK (text/html)

Frame 100: 1355 bytes on wire (10840 bits), 1355 bytes captured (10840 bits) on interface \Device\NPF_{954891DB-91AE-47BD-AFB8-40AC2A021D56}, id 0

Ethernet II, Src: Hangzhou_9d:38:c8 (00:0f:e2:9d:38:c8), Dst: ASUSTekC_86:a9:bb (24:4b:fe:86:a9:bb)

Internet Protocol Version 4, Src: 128.119.245.12, Dst: 77.47.196.43

Transmission Control Protocol, Src Port: 80, Dst Port: 57649, Seq: 1, Ack: 482, Len: 1301

Source Port: 80

Destination Port: 57649

[Stream index: 5]

[Conversation completeness: Incomplete, DATA (15)]

[TCP Segment Len: 1301]

Sequence Number: 1 (relative sequence number)

Sequence Number (raw): 4181028650

[Next Sequence Number: 1302 (relative sequence number)]

Acknowledgment Number: 482 (relative ack number)

Acknowledgment number (raw): 378215088

0101 = Header Length: 20 bytes (5)

Flags: 0x018 (PSH, ACK)

Window: 237

[Calculated window size: 30336]

[Window size scaling factor: 128]

Checksum: 0xba64 [unverified]

[Checksum Status: Unverified]

Urgent Pointer: 0

[Timestamps]

[SEQ/ACK analysis]

TCP payload (1301 bytes)

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n

Date: Mon, 03 Oct 2022 21:05:54 GMT\r\n

Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.30 mod_perl/2.0.11 Perl/v5.16.3\r\n

Last-Modified: Mon, 03 Oct 2022 05:59:02 GMT\r\n

ETag: "3ae-5ea1b0a57f0e0"\r\n

Accept-Ranges: bytes\r\n

Content-Length: 942\r\n

Keep-Alive: timeout=5, max=100\r\n

Connection: Keep-Alive\r\n

Content-Type: text/html; charset=UTF-8\r\n

\r\n

[HTTP response 1/2]

[Time since request: 0.119310000 seconds]

[Request in frame: 95]

[Next request in frame: 101]

[Next response in frame: 107]

[Request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html]

File Data: 942 bytes

Line-based text data: text/html (23 lines)

No.	Time	Source	Destination	Protocol	Length	Info
101	1.717665	77.47.196.43	128.119.245.12	HTTP	481	GET /pearson.png HTTP/1.1

Frame 101: 481 bytes on wire (3848 bits), 481 bytes captured (3848 bits) on interface \Device\NPF_{954891DB-91AE-47BD-AFB8-40AC2A021D56}, id 0
Ethernet II, Src: ASUSTekC_86:a9:bb (24:4b:fe:86:a9:bb), Dst: Hangzhou_9d:38:c8 (00:0f:e2:9d:38:c8)
Internet Protocol Version 4, Src: 77.47.196.43, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 57649, Dst Port: 80, Seq: 482, Ack: 1302, Len: 427
Source Port: 57649
Destination Port: 80
[Stream index: 5]
[Conversation completeness: Incomplete, DATA (15)]
[TCP Segment Len: 427]
Sequence Number: 482 (relative sequence number)
Sequence Number (raw): 378215088
[Next Sequence Number: 909 (relative sequence number)]
Acknowledgment Number: 1302 (relative ack number)
Acknowledgment number (raw): 4181029951
0101 = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window: 508
[Calculated window size: 130048]
[Window size scaling factor: 256]
Checksum: 0x88a4 [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
[SEQ/ACK analysis]
TCP payload (427 bytes)
Hypertext Transfer Protocol
GET /pearson.png HTTP/1.1\r\n
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/106.0.0.0 Safari/537.36\r\n
Accept: image/avif,image/webp,image/apng,image/svg+xml,image/*,*/*;q=0.8\r\n
Referer: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: en-US,en;q=0.9,uk;q=0.8\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/pearson.png]
[HTTP request 2/2]
[Prev request in frame: 95]
[Response in frame: 107]

No.	Time	Source	Destination	Protocol	Length	Info
107	1.837147	128.119.245.12	77.47.196.43	HTTP	745	HTTP/1.1 200 OK (PNG)

Frame 107: 745 bytes on wire (5960 bits), 745 bytes captured (5960 bits) on interface \Device\NPF_{954891DB-91AE-47BD-AFB8-40AC2A021D56}, id 0
 Ethernet II, Src: Hangzhou_9d:38:c8 (00:0f:e2:9d:38:c8), Dst: ASUSTekC_86:a9:bb (24:4b:fe:86:a9:bb)
 Internet Protocol Version 4, Src: 128.119.245.12, Dst: 77.47.196.43
 Transmission Control Protocol, Src Port: 80, Dst Port: 57649, Seq: 4222, Ack: 909, Len: 691
 Source Port: 80
 Destination Port: 57649
 [Stream index: 5]
 [Conversation completeness: Incomplete, DATA (15)]
 [TCP Segment Len: 691]
 Sequence Number: 4222 (relative sequence number)
 Sequence Number (raw): 4181032871
 [Next Sequence Number: 4913 (relative sequence number)]
 Acknowledgment Number: 909 (relative ack number)
 Acknowledgment number (raw): 378215515
 0101 = Header Length: 20 bytes (5)
 Flags: 0x018 (PSH, ACK)
 Window: 245
 [Calculated window size: 31360]
 [Window size scaling factor: 128]
 Checksum: 0x839d [unverified]
 [Checksum Status: Unverified]
 Urgent Pointer: 0
 [Timestamps]
 [SEQ/ACK analysis]
 TCP payload (691 bytes)
 TCP segment data (691 bytes)
 [3 Reassembled TCP Segments (3611 bytes): #105(1460), #106(1460), #107(691)]
 Hypertext Transfer Protocol
 HTTP/1.1 200 OK\r\n
 Date: Mon, 03 Oct 2022 21:05:54 GMT\r\n
 Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.30 mod_perl/2.0.11 Perl/v5.16.3\r\n
 Last-Modified: Sat, 06 Aug 2016 10:08:14 GMT\r\n
 ETag: "cc3-539645c7f1ee7"\r\n
 Accept-Ranges: bytes\r\n
 Content-Length: 3267\r\n
 Keep-Alive: timeout=5, max=99\r\n
 Connection: Keep-Alive\r\n
 Content-Type: image/png\r\n
 \r\n
 [HTTP response 2/2]
 [Time since request: 0.119482000 seconds]
 [Prev request in frame: 95]
 [Prev response in frame: 100]
 [Request in frame: 101]
 [Request URI: http://gaia.cs.umass.edu/pearson.png]
 File Data: 3267 bytes
 Portable Network Graphics

No.	Time	Source	Destination	Protocol	Length	Info
114	1.999330	77.47.196.43	178.79.137.164	HTTP	448	GET /8E_cover_small.jpg HTTP/1.1

Frame 114: 448 bytes on wire (3584 bits), 448 bytes captured (3584 bits) on interface \Device\NPF_{954891DB-91AE-47BD-AFB8-40AC2A021D56}, id 0
Ethernet II, Src: ASUSTekC_86:a9:bb (24:4b:fe:86:a9:bb), Dst: Hangzhou_9d:38:c8 (00:0f:e2:9d:38:c8)
Internet Protocol Version 4, Src: 77.47.196.43, Dst: 178.79.137.164
Transmission Control Protocol, Src Port: 57650, Dst Port: 80, Seq: 1, Ack: 1, Len: 394
Source Port: 57650
Destination Port: 80
[Stream index: 7]
[Conversation completeness: Incomplete, DATA (15)]
[TCP Segment Len: 394]
Sequence Number: 1 (relative sequence number)
Sequence Number (raw): 2525968777
[Next Sequence Number: 395 (relative sequence number)]
Acknowledgment Number: 1 (relative ack number)
Acknowledgment number (raw): 3455444487
0101 = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window: 513
[Calculated window size: 131328]
[Window size scaling factor: 256]
Checksum: 0x4ef3 [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
[SEQ/ACK analysis]
TCP payload (394 bytes)
Hypertext Transfer Protocol
GET /8E_cover_small.jpg HTTP/1.1\r\n
Host: kurose.cslash.net\r\n
Connection: keep-alive\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/106.0.0.0 Safari/537.36\r\n
Accept: image/avif,image/webp,image/apng,image/svg+xml,image/*,*/*;q=0.8\r\n
Referer: http://gaia.cs.umass.edu/\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: en-US,en;q=0.9,uk;q=0.8\r\n
\r\n
[Full request URI: http://kurose.cslash.net/8E_cover_small.jpg]
[HTTP request 1/1]
[Response in frame: 118]

No.	Time	Source	Destination	Protocol	Length	Info
118	2.045037	178.79.137.164	77.47.196.43	HTTP	225	HTTP/1.1 301 Moved Permanently

Frame 118: 225 bytes on wire (1800 bits), 225 bytes captured (1800 bits) on interface \Device\NPF_{954891DB-91AE-47BD-AFB8-40AC2A021D56}, id 0
Ethernet II, Src: Hangzhou_9d:38:c8 (00:0f:e2:9d:38:c8), Dst: ASUSTekC_86:a9:bb (24:4b:fe:86:a9:bb)
Internet Protocol Version 4, Src: 178.79.137.164, Dst: 77.47.196.43
Transmission Control Protocol, Src Port: 80, Dst Port: 57650, Seq: 1, Ack: 395, Len: 171
Source Port: 80
Destination Port: 57650
[Stream index: 7]
[Conversation completeness: Incomplete, DATA (15)]
[TCP Segment Len: 171]
Sequence Number: 1 (relative sequence number)
Sequence Number (raw): 3455444487
[Next Sequence Number: 172 (relative sequence number)]
Acknowledgment Number: 395 (relative ack number)
Acknowledgment number (raw): 2525969171
0101 = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window: 501
[Calculated window size: 64128]
[Window size scaling factor: 128]
Checksum: 0x0322 [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
[SEQ/ACK analysis]
TCP payload (171 bytes)
Hypertext Transfer Protocol
HTTP/1.1 301 Moved Permanently\r\n
Location: https://kurose.cslash.net/8E_cover_small.jpg\r\n
Content-Length: 0\r\n
Date: Mon, 03 Oct 2022 21:05:54 GMT\r\n
Server: lighttpd/1.4.47\r\n
\r\n
[HTTP response 1/1]
[Time since request: 0.045707000 seconds]
[Request in frame: 114]
[Request URI: http://kurose.cslash.net/8E_cover_small.jpg]