

No.	Time	Source	Destination	Protocol	Length	Info
4111	58.481229	10.16.146.82	128.119.245.12	HTTP	527	GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1

Frame 4111: 527 bytes on wire (4216 bits), 527 bytes captured (4216 bits) on interface \Device\NPF\_{FD213752-A3E0-4C1B-9250-FEC8C7E7DCBB}, id 0  
Ethernet II, Src: HP\_22:12:1e (48:9e:bd:22:12:1e), Dst: ArubaaHe\_de:46:00 (ec:02:73:de:46:00)  
Internet Protocol Version 4, Src: 10.16.146.82, Dst: 128.119.245.12  
Transmission Control Protocol, Src Port: 64236, Dst Port: 80, Seq: 1, Ack: 1, Len: 473  
Source Port: 64236  
Destination Port: 80  
[Stream index: 17]  
[Conversation completeness: Complete, WITH\_DATA (31)]  
[TCP Segment Len: 473]  
Sequence Number: 1 (relative sequence number)  
Sequence Number (raw): 3045703753  
[Next Sequence Number: 474 (relative sequence number)]  
Acknowledgment Number: 1 (relative ack number)  
Acknowledgment number (raw): 572797370  
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: 262656]  
[Window size scaling factor: 256]  
Checksum: 0x13da [unverified]  
[Checksum Status: Unverified]  
Urgent Pointer: 0  
[Timestamps]  
[Time since first frame in this TCP stream: 0.062134000 seconds]  
[Time since previous frame in this TCP stream: 0.045230000 seconds]  
[SEQ/ACK analysis]  
[iRTT: 0.016904000 seconds]  
[Bytes in flight: 473]  
[Bytes sent since last PSH flag: 473]  
TCP payload (473 bytes)  
Hypertext Transfer Protocol  
GET /wireshark-labs/INTRO-wireshark-file1.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/117.0.0.0 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=0.7\r\n  
Accept-Encoding: gzip, deflate\r\n  
Accept-Language: en-US,en;q=0.9\r\n  
\r\n  
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]  
[HTTP request 1/1]  
[Response in frame: 4129]

No.	Time	Source	Destination	Protocol	Length	Info
4129	58.502830	128.119.245.12	10.16.146.82	HTTP	492	HTTP/1.1 200 OK (text/html)

Frame 4129: 492 bytes on wire (3936 bits), 492 bytes captured (3936 bits) on interface \Device\NPF\_{FD213752-A3E0-4C1B-9250-FEC8C7E7DCBB}, id 0  
Ethernet II, Src: ArubaaHe\_de:46:00 (ec:02:73:de:46:00), Dst: HP\_22:12:1e (48:9e:bd:22:12:1e)  
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.16.146.82  
Transmission Control Protocol, Src Port: 80, Dst Port: 64236, Seq: 1, Ack: 474, Len: 438  
Source Port: 80  
Destination Port: 64236  
[Stream index: 17]  
[Conversation completeness: Complete, WITH\_DATA (31)]  
[TCP Segment Len: 438]  
Sequence Number: 1 (relative sequence number)  
Sequence Number (raw): 572797370  
[Next Sequence Number: 439 (relative sequence number)]  
Acknowledgment Number: 474 (relative ack number)  
Acknowledgment number (raw): 3045704226  
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: 237

[Calculated window size: 30336]

[Window size scaling factor: 128]

Checksum: 0x856c [unverified]

[Checksum Status: Unverified]

Urgent Pointer: 0

[Timestamps]

[Time since first frame in this TCP stream: 0.083735000 seconds]

[Time since previous frame in this TCP stream: 0.002504000 seconds]

[SEQ/ACK analysis]

[iRTT: 0.016904000 seconds]

[Bytes in flight: 438]

[Bytes sent since last PSH flag: 438]

TCP payload (438 bytes)

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n

Date: Sat, 23 Sep 2023 15:06:04 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

Last-Modified: Sat, 23 Sep 2023 05:59:01 GMT\r\n

ETag: "51-606006bf9439a"\r\n

Accept-Ranges: bytes\r\n

Content-Length: 81\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 1/1]

[Time since request: 0.021601000 seconds]

[Request in frame: 4111]

[Request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]

File Data: 81 bytes

Line-based text data: text/html (3 lines)