

No.	Time	Source	Destination	Protocol	Length	Info
281	3.229370	114.214.227.222	128.119.245.12	HTTP	566	GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1

Frame 281: 566 bytes on wire (4528 bits), 566 bytes captured (4528 bits) on interface \Device\NPF_{493C4AC5-6E7E-4816-B4CB-6B8F87A64AB6}, id 0
Ethernet II, Src: IntelCor_3e:5e:86 (a4:b1:c1:3e:5e:86), Dst: Hangzhou_35:8a:e2 (ac:74:09:35:8a:e2)
Internet Protocol Version 4, Src: 114.214.227.222, 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: 552
Identification: 0x9f1d (40733)
Flags: 0x40, Don't fragment
...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: 114.214.227.222
Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 64185, Dst Port: 80, Seq: 1, Ack: 1, Len: 512
Hypertext Transfer Protocol
GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1\r\n
[Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1\r\n]
Request Method: GET
Request URI: /wireshark-labs/HTTP-wireshark-file4.html
Request Version: HTTP/1.1
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/105.0.0.0 Safari/537.36 Edg/105.0.1343.33\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=0.9\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
\r\n
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html]
[HTTP request 1/2]
[Response in frame: 309]
[Next request in frame: 316]

No.	Time	Source	Destination	Protocol	Length	Info
309	3.484561	128.119.245.12	114.214.227.222	HTTP	1355	HTTP/1.1 200 OK (text/html)

Frame 309: 1355 bytes on wire (10840 bits), 1355 bytes captured (10840 bits) on interface \Device\NPF_{493C4AC5-6E7E-4816-B4CB-6B8F87A64AB6}, id 0
Ethernet II, Src: Hangzhou_35:8a:e2 (ac:74:09:35:8a:e2), Dst: IntelCor_3e:5e:86 (a4:b1:c1:3e:5e:86)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 114.214.227.222
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 1341
Identification: 0x4e01 (19969)
Flags: 0x40, Don't fragment
...0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 34
Protocol: TCP (6)
Header Checksum: 0x3981 [validation disabled]
[Header checksum status: Unverified]
Source Address: 128.119.245.12
Destination Address: 114.214.227.222
Transmission Control Protocol, Src Port: 80, Dst Port: 64185, Seq: 1, Ack: 513, Len: 1301
Hypertext Transfer Protocol
HTTP/1.1 200 OK\r\n
[Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
Response Version: HTTP/1.1
Status Code: 200
[Status Code Description: OK]
Response Phrase: OK
Date: Fri, 16 Sep 2022 13:04:04 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: Fri, 16 Sep 2022 05:59:02 GMT\r\n
ETag: "3ae-5e8c50f0c06e1"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 942\r\n
[Content length: 942]
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: 0.255191000 seconds]
[Request in frame: 281]
[Next request in frame: 316]
[Next response in frame: 347]
[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)
<html>\n
<head>\n
<title>Lab2-4 file: Embedded URLs</title>\n
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">\n
</head>\n
\n
<body bgcolor="#FFFFFF" text="#000000">\n
\n
<p>\n
 </p>\n
<p>This little HTML file is being served by gaia.cs.umass.edu. \n
It contains two embedded images. The image above, also served from the \n
gaia.cs.umass.edu web site, is the logo of our publisher, Pearson. \n
The image of our 8th edition book cover below is stored at, and served from,\n
    a WWW server kurose.cslash.net in France:</p>\n
<p align="left"></p>\n
And while we have your attention, you might want to take time to check out the\n
\t\t available open resources for this book at\n
\t\t <a href="http://gaia.cs.umass.edu/kurose_ross"> http://gaia.cs.umass.edu/kurose_ross</a>.\n
\n
</body>\n
</html>\n
No.      Time      Source      Destination      Protocol Length Info
  316 3.492039    114.214.227.222 128.119.245.12   HTTP      512    GET /pearson.png HTTP/1.1
Frame 316: 512 bytes on wire (4096 bits), 512 bytes captured (4096 bits) on interface \Device\NPF_{493C4AC5-6E7E-4816-B4CB-6B8F87A64AB6}, id 0
Ethernet II, Src: IntelCor_3e:5e:86 (a4:b1:c1:3e:5e:86), Dst: Hangzhou_35:8a:e2 (ac:74:09:35:8a:e2)
Internet Protocol Version 4, Src: 114.214.227.222, 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: 498
Identification: 0x9f20 (40736)
Flags: 0x40, Don't fragment
...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: 114.214.227.222
Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 64185, Dst Port: 80, Seq: 513, Ack: 1302, Len: 458
Hypertext Transfer Protocol
GET /pearson.png HTTP/1.1\r\n
[Expert Info (Chat/Sequence): GET /pearson.png HTTP/1.1\r\n]
Request Method: GET
Request URI: /pearson.png
Request Version: HTTP/1.1
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/105.0.0.0 Safari/537.36 Edg/105.0.1343.33\r\n
Accept: 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: zh-CN,zh;q=0.9,en;q=0.8,en-GB;q=0.7,en-US;q=0.6\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/pearson.png]
[HTTP request 2/2]
[Prev request in frame: 281]
[Response in frame: 347]
No.      Time      Source      Destination      Protocol Length Info
  347 3.744162    128.119.245.12 114.214.227.222   HTTP      745    HTTP/1.1 200 OK (PNG)
Frame 347: 745 bytes on wire (5960 bits), 745 bytes captured (5960 bits) on interface \Device\NPF_{493C4AC5-6E7E-4816-B4CB-6B8F87A64AB6}, id 0
Ethernet II, Src: Hangzhou_35:8a:e2 (ac:74:09:35:8a:e2), Dst: IntelCor_3e:5e:86 (a4:b1:c1:3e:5e:86)
```

Internet Protocol Version 4, Src: 128.119.245.12, Dst: 114.214.227.222

0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 731
Identification: 0x4e04 (19972)
Flags: 0x40, Don't fragment
...0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 34
Protocol: TCP (6)
Header Checksum: 0x3be0 [validation disabled]
[Header checksum status: Unverified]
Source Address: 128.119.245.12
Destination Address: 114.214.227.222

Transmission Control Protocol, Src Port: 80, Dst Port: 64185, Seq: 4222, Ack: 971, Len: 691

[3 Reassembled TCP Segments (3611 bytes): #344(1460), #345(1460), #347(691)]

[Frame: 344, payload: 0-1459 (1460 bytes)]
[Frame: 345, payload: 1460-2919 (1460 bytes)]
[Frame: 347, payload: 2920-3610 (691 bytes)]
[Segment count: 3]
[Reassembled TCP length: 3611]
[Reassembled TCP Data: 485454502f312e3120323030204f4b0d0a446174653a204672692c203136205365702032...]

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n
[Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n\r\n]
Response Version: HTTP/1.1
Status Code: 200
[Status Code Description: OK]
Response Phrase: OK
Date: Fri, 16 Sep 2022 13:04:04 GMT\r\n\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\r\n
Last-Modified: Sat, 06 Aug 2016 10:08:14 GMT\r\n\r\n
ETag: "cc3-539645c7f1ee7"\r\n\r\n
Accept-Ranges: bytes\r\n\r\n
Content-Length: 3267\r\n\r\n
[Content length: 3267]
Keep-Alive: timeout=5, max=99\r\n\r\n
Connection: Keep-Alive\r\n\r\n
Content-Type: image/png\r\n\r\n
\r\n\r\n
[HTTP response 2/2]
[Time since request: 0.252123000 seconds]
[Prev request in frame: 281]
[Prev response in frame: 309]
[Request in frame: 316]
[Request URI: http://gaia.cs.umass.edu/pearson.png]
File Data: 3267 bytes

Portable Network Graphics

No.	Time	Source	Destination	Protocol	Length	Info
399	4.336112	114.214.227.222	178.79.137.164	HTTP	479	GET /8E_cover_small.jpg HTTP/1.1

Frame 399: 479 bytes on wire (3832 bits), 479 bytes captured (3832 bits) on interface \Device\NPF_{493C4AC5-6E7E-4816-B4CB-6B8F87A64AB6}, id 0

Ethernet II, Src: IntelCor_3e:5e:86 (a4:b1:c1:3e:5e:86), Dst: Hangzhou_35:8a:e2 (ac:74:09:35:8a:e2)

Internet Protocol Version 4, Src: 114.214.227.222, Dst: 178.79.137.164

0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 465
Identification: 0xdf77 (57207)
Flags: 0x40, Don't fragment
...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: 114.214.227.222
Destination Address: 178.79.137.164

Transmission Control Protocol, Src Port: 64190, Dst Port: 80, Seq: 1, Ack: 1, Len: 425

Hypertext Transfer Protocol

GET /8E_cover_small.jpg HTTP/1.1\r\n\r\n
[Expert Info (Chat/Sequence): GET /8E_cover_small.jpg HTTP/1.1\r\n\r\n]
Request Method: GET
Request URI: /8E_cover_small.jpg
Request Version: HTTP/1.1
Host: kurose.cslash.net\r\n\r\n
Connection: keep-alive\r\n\r\n

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/105.0.0.0 Safari/537.36 Edg/105.0.1343.33\r\nAccept: image/webp,image/apng,image/svg+xml,image/*,*/*;q=0.8\r\nReferer: http://gaia.cs.umass.edu/\r\nAccept-Encoding: gzip, deflate\r\nAccept-Language: zh-CN,zh;q=0.9,en;q=0.8,en-GB;q=0.7,en-US;q=0.6\r\n\r\n[Full request URI: http://kurose.cslash.net/8E_cover_small.jpg]\n[HTTP request 1/1]\n[Response in frame: 427]\n

No.	Time	Source	Destination	Protocol	Length	Info
427	4.615050	178.79.137.164	114.214.227.222	HTTP	225	HTTP/1.1 301 Moved Permanently

Frame 427: 225 bytes on wire (1800 bits), 225 bytes captured (1800 bits) on interface \\Device\\NPF_{493C4AC5-6E7E-4816-B4CB-6B8F87A64AB6}, id 0
Ethernet II, Src: Hangzhou_35:8a:e2 (ac:74:09:35:8a:e2), Dst: IntelCor_3e:5e:86 (a4:b1:c1:3e:5e:86)
Internet Protocol Version 4, Src: 178.79.137.164, Dst: 114.214.227.222
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 211
Identification: 0x5291 (21137)
Flags: 0x40, Don't fragment
...0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 38
Protocol: TCP (6)
Header Checksum: 0x6eeb [validation disabled]
[Header checksum status: Unverified]
Source Address: 178.79.137.164
Destination Address: 114.214.227.222
Transmission Control Protocol, Src Port: 80, Dst Port: 64190, Seq: 1, Ack: 426, Len: 171
Hypertext Transfer Protocol
HTTP/1.1 301 Moved Permanently\r\n[Expert Info (Chat/Sequence): HTTP/1.1 301 Moved Permanently\r\nResponse Version: HTTP/1.1
Status Code: 301
[Status Code Description: Moved Permanently]
Response Phrase: Moved Permanently
Location: https://kurose.cslash.net/8E_cover_small.jpg\r\nContent-Length: 0\r\n[Content length: 0]
Date: Fri, 16 Sep 2022 13:04:05 GMT\r\nServer: lighttpd/1.4.47\r\n\r\n[HTTP response 1/1]\n[Time since request: 0.278938000 seconds]\n[Request in frame: 399]\n[Request URI: http://kurose.cslash.net/8E_cover_small.jpg]