

```
No.      Time      Source      Destination      Protocol Length Info
 36 13:54:24.351544 192.168.42.67 128.119.245.12  HTTP      533      GET /wireshark-labs/HTTP-
wireshark-file4.html HTTP/1.1
Frame 36: 533 bytes on wire (4264 bits), 533 bytes captured (4264 bits) on interface 0
Ethernet II, Src: 3e:e4:9f:48:ac:23 (3e:e4:9f:48:ac:23), Dst: 6a:e5:7a:50:f2:78 (6a:e5:7a:50:f2:78)
Internet Protocol Version 4, Src: 192.168.42.67, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 49627, Dst Port: 80, Seq: 1, Ack: 1, Len: 479
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/
73.0.3683.86 Safari/537.36\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\r\n
  Accept-Encoding: gzip, deflate\r\n
  Accept-Language: ko-KR,ko;q=0.9,en-US;q=0.8,en;q=0.7\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: 42]
[Next request in frame: 43]
No.      Time      Source      Destination      Protocol Length Info
 42 13:54:24.870946 128.119.245.12 192.168.42.67  HTTP      1103      HTTP/1.1 200 OK (text/
html)
Frame 42: 1103 bytes on wire (8824 bits), 1103 bytes captured (8824 bits) on interface 0
Ethernet II, Src: 6a:e5:7a:50:f2:78 (6a:e5:7a:50:f2:78), Dst: 3e:e4:9f:48:ac:23 (3e:e4:9f:48:ac:23)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.42.67
Transmission Control Protocol, Src Port: 80, Dst Port: 49627, Seq: 1, Ack: 480, Len: 1049
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: Mon, 01 Apr 2019 04:54:24 GMT\r\n
  Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n
  Last-Modified: Sun, 31 Mar 2019 05:59:01 GMT\r\n
  ETag: "2ca-5855d99bc059e"\r\n
  Accept-Ranges: bytes\r\n
  Content-Type: text/html; charset=UTF-8\r\n
  Content-Length: 714\r\n
  Connection: Keep-Alive\r\n
  Age: 0\r\n
\r\n
[HTTP response 1/2]
[Time since request: 0.519402000 seconds]
[Request in frame: 36]
[Next request in frame: 43]
[Next response in frame: 60]
[Request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html]
File Data: 714 bytes
Line-based text data: text/html (17 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. <br> The image above, also served from the \n
gaia.cs.umass.edu web site, is the logo of our publisher, Pearson. <br>\n
The image of our 5th edition book cover below is stored at, and served from, the www server
caite.cs.umass.edu:</p>\n
<p align="left"></p>\n
</body>\n
</html>\n
No.      Time      Source      Destination      Protocol Length Info
 43 13:54:24.884017 192.168.42.67 128.119.245.12  HTTP      471      GET /pearson.png HTTP/1.1
```

Frame 43: 471 bytes on wire (3768 bits), 471 bytes captured (3768 bits) on interface 0
Ethernet II, Src: 3e:e4:9f:48:ac:23 (3e:e4:9f:48:ac:23), Dst: 6a:e5:7a:50:f2:78 (6a:e5:7a:50:f2:78)
Internet Protocol Version 4, Src: 192.168.42.67, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 49627, Dst Port: 80, Seq: 480, Ack: 1050, Len: 417
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/
73.0.3683.86 Safari/537.36\r\n
Accept: image/webp,image/apng,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: ko-KR,ko;q=0.9,en-US;q=0.8,en;q=0.7\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/pearson.png]
[HTTP request 2/2]
[Prev request in frame: 36]
[Response in frame: 60]

No.	Time	Source	Destination	Protocol	Length	Info
49	13:54:25.072416	192.168.42.67	128.119.245.12	HTTP	485	GET /~kurose/ cover_5th_ed.jpg HTTP/1.1

Frame 49: 485 bytes on wire (3880 bits), 485 bytes captured (3880 bits) on interface 0
Ethernet II, Src: 3e:e4:9f:48:ac:23 (3e:e4:9f:48:ac:23), Dst: 6a:e5:7a:50:f2:78 (6a:e5:7a:50:f2:78)
Internet Protocol Version 4, Src: 192.168.42.67, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 49628, Dst Port: 80, Seq: 1, Ack: 1, Len: 431
Hypertext Transfer Protocol
GET /~kurose/cover_5th_ed.jpg HTTP/1.1\r\n
[Expert Info (Chat/Sequence): GET /~kurose/cover_5th_ed.jpg HTTP/1.1\r\n]
Request Method: GET
Request URI: /~kurose/cover_5th_ed.jpg
Request Version: HTTP/1.1
Host: manic.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/
73.0.3683.86 Safari/537.36\r\n
Accept: image/webp,image/apng,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: ko-KR,ko;q=0.9,en-US;q=0.8,en;q=0.7\r\n
\r\n
[Full request URI: http://manic.cs.umass.edu/~kurose/cover_5th_ed.jpg]
[HTTP request 1/1]
[Response in frame: 192]

No.	Time	Source	Destination	Protocol	Length	Info
60	13:54:25.274376	128.119.245.12	192.168.42.67	HTTP	769	HTTP/1.1 200 OK (PNG)

Frame 60: 769 bytes on wire (6152 bits), 769 bytes captured (6152 bits) on interface 0
Ethernet II, Src: 6a:e5:7a:50:f2:78 (6a:e5:7a:50:f2:78), Dst: 3e:e4:9f:48:ac:23 (3e:e4:9f:48:ac:23)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.42.67
Transmission Control Protocol, Src Port: 80, Dst Port: 49627, Seq: 3923, Ack: 897, Len: 715
[5 Reassembled TCP Segments (3588 bytes): #55(1400), #56(25), #58(1400), #59(48), #60(715)]
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: Mon, 01 Apr 2019 04:54:25 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 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-Type: image/png\r\n
Content-Length: 3267\r\n
Connection: Keep-Alive\r\n
Age: 0\r\n
\r\n
[HTTP response 2/2]
[Time since request: 0.390359000 seconds]
[Prev request in frame: 36]
[Prev response in frame: 42]
[Request in frame: 43]
[Request URI: http://gaia.cs.umass.edu/pearson.png]
File Data: 3267 bytes

Portable Network Graphics

No.	Time	Source	Destination	Protocol	Length	Info
192	13:54:26.686579	128.119.245.12	192.168.42.67	HTTP	398	HTTP/1.1 200 OK (JPEG JFIF image)

Frame 192: 398 bytes on wire (3184 bits), 398 bytes captured (3184 bits) on interface 0
Ethernet II, Src: 6a:e5:7a:50:f2:78 (6a:e5:7a:50:f2:78), Dst: 3e:e4:9f:48:ac:23 (3e:e4:9f:48:ac:23)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.42.67
Transmission Control Protocol, Src Port: 80, Dst Port: 49628, Seq: 100951, Ack: 432, Len: 344
[88 Reassembled TCP Segments (101294 bytes): #63(1400), #64(1400), #65(1400), #66(180), #68(1400), #69(1400), #70(1400), #71(627), #73(1400), #74(1400), #76(1400), #77(1033), #79(1400), #80(1400), #81(1400), #82(1400), #83(7), #85(1400), #8]

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: Mon, 01 Apr 2019 04:54:25 GMT\r\n

Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n

Last-Modified: Tue, 15 Sep 2009 18:23:27 GMT\r\n

ETag: "18a68-473a1e0e6e5c0"\r\n

Accept-Ranges: bytes\r\n

Content-Type: image/jpeg\r\n

Content-Length: 100968\r\n

Connection: Keep-Alive\r\n

Age: 0\r\n

\r\n

[HTTP response 1/1]

[Time since request: 1.614163000 seconds]

[Request in frame: 49]

[Request URI: http://manic.cs.umass.edu/~kurose/cover_5th_ed.jpg]

File Data: 100968 bytes

JPEG File Interchange Format