

No.	Time	Source	Destination	Protocol	Length	Info
72	5.531343525	192.168.1.140	128.119.245.12	HTTP	530	GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1

Frame 72: 530 bytes on wire (4240 bits), 530 bytes captured (4240 bits) on interface wlo1, id 0  
 Ethernet II, Src: IntelCor\_a9:ef:50 (8c:70:5a:a9:ef:50), Dst: Tp-LinkT\_5c:d1:ff (f8:d1:11:5c:d1:ff)  
 Internet Protocol Version 4, Src: 192.168.1.140, Dst: 128.119.245.12  
 Transmission Control Protocol, Src Port: 36364, Dst Port: 80, Seq: 1, Ack: 1, Len: 464  
 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 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/81.0.4044.138 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;q=0.9\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: en-US,en;q=0.9,ru;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: 74]
[Next request in frame: 76]

```

No.	Time	Source	Destination	Protocol	Length	Info
74	5.659664505	128.119.245.12	192.168.1.140	HTTP	1139	HTTP/1.1 200 OK (text/html)

Frame 74: 1139 bytes on wire (9112 bits), 1139 bytes captured (9112 bits) on interface wlo1, id 0  
 Ethernet II, Src: Tp-LinkT\_5c:d1:ff (f8:d1:11:5c:d1:ff), Dst: IntelCor\_a9:ef:50 (8c:70:5a:a9:ef:50)  
 Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.140  
 Transmission Control Protocol, Src Port: 80, Dst Port: 36364, Seq: 1, Ack: 465, Len: 1073  
 Hypertext Transfer Protocol

```

HTTP/1.1 200 OK\r\n
Date: Sat, 16 May 2020 05:51:12 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.11 Perl/v5.16.3\r\n
Last-Modified: Sat, 16 May 2020 05:51:03 GMT\r\n
ETag: "2ca-5a5bd83e67576"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 714\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: 0.128320980 seconds]
[Request in frame: 72]
[Next request in frame: 76]
[Next response in frame: 82]
[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
76	5.709506675	192.168.1.140	128.119.245.12	HTTP	462	GET /pearson.png HTTP/1.1

Frame 76: 462 bytes on wire (3696 bits), 462 bytes captured (3696 bits) on interface wlo1, id 0  
 Ethernet II, Src: IntelCor\_a9:ef:50 (8c:70:5a:a9:ef:50), Dst: Tp-LinkT\_5c:d1:ff (f8:d1:11:5c:d1:ff)  
 Internet Protocol Version 4, Src: 192.168.1.140, Dst: 128.119.245.12  
 Transmission Control Protocol, Src Port: 36364, Dst Port: 80, Seq: 465, Ack: 1074, Len: 396

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 (X11; Linux x86\_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/  
81.0.4044.138 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: en-US,en;q=0.9,ru;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: 72]  
[Response in frame: 82]

No.	Time	Source	Destination	Protocol	Length	Info
82	5.838587147	128.119.245.12	192.168.1.140	HTTP	781	HTTP/1.1 200 OK (PNG)

Frame 82: 781 bytes on wire (6248 bits), 781 bytes captured (6248 bits) on interface wlo1, id 0  
Ethernet II, Src: Tp-LinkT\_5c:d1:ff (f8:d1:11:5c:d1:ff), Dst: IntelCor\_a9:ef:50 (8c:70:5a:a9:ef:50)  
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.140  
Transmission Control Protocol, Src Port: 80, Dst Port: 36364, Seq: 3970, Ack: 861, Len: 715  
[3 Reassembled TCP Segments (3611 bytes): #78(1448), #80(1448), #82(715)]

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n  
Date: Sat, 16 May 2020 05:51:12 GMT\r\n  
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 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: 0.129080472 seconds]  
[Prev request in frame: 72]  
[Prev response in frame: 74]  
[Request in frame: 76]  
[Request URI: http://gaia.cs.umass.edu/pearson.png]  
File Data: 3267 bytes

Portable Network Graphics

No.	Time	Source	Destination	Protocol	Length	Info
90	5.962950312	192.168.1.140	128.119.245.12	HTTP	476	GET ~/kurose/ cover_5th_ed.jpg HTTP/1.1

Frame 90: 476 bytes on wire (3808 bits), 476 bytes captured (3808 bits) on interface wlo1, id 0  
Ethernet II, Src: IntelCor\_a9:ef:50 (8c:70:5a:a9:ef:50), Dst: Tp-LinkT\_5c:d1:ff (f8:d1:11:5c:d1:ff)  
Internet Protocol Version 4, Src: 192.168.1.140, Dst: 128.119.245.12  
Transmission Control Protocol, Src Port: 36366, Dst Port: 80, Seq: 1, Ack: 1, Len: 410

Hypertext Transfer Protocol

GET ~/kurose/cover\_5th\_ed.jpg HTTP/1.1\r\n  
Host: manic.cs.umass.edu\r\n  
Connection: keep-alive\r\n  
User-Agent: Mozilla/5.0 (X11; Linux x86\_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/  
81.0.4044.138 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: en-US,en;q=0.9,ru;q=0.8\r\n  
\r\n  
[Full request URI: http://manic.cs.umass.edu/~kurose/cover\_5th\_ed.jpg]  
[HTTP request 1/1]  
[Response in frame: 216]

No.	Time	Source	Destination	Protocol	Length	Info
216	6.368248177	128.119.245.12	192.168.1.140	HTTP	1472	HTTP/1.1 200 OK (JPEG JFIF image)

Frame 216: 1472 bytes on wire (11776 bits), 1472 bytes captured (11776 bits) on interface wlo1, id 0  
Ethernet II, Src: Tp-LinkT\_5c:d1:ff (f8:d1:11:5c:d1:ff), Dst: IntelCor\_a9:ef:50 (8c:70:5a:a9:ef:50)  
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.140  
Transmission Control Protocol, Src Port: 80, Dst Port: 36366, Seq: 99913, Ack: 411, Len: 1406  
[70 Reassembled TCP Segments (101318 bytes): #92(1448), #94(1448), #96(1448), #98(1448), #100(1448),  
#102(1448), #104(1448), #106(1448), #108(1448), #110(1448), #112(1448), #114(1448), #116(1448),  
#118(1448), #120(1448), #122(1448), #124(14)]

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n  
Date: Sat, 16 May 2020 05:51:13 GMT\r\n

```
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.11 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-Length: 100968\r\n
Keep-Alive: timeout=5, max=100\r\n
Connection: Keep-Alive\r\n
Content-Type: image/jpeg\r\n
\r\n
[HTTP response 1/1]
[Time since request: 0.405297865 seconds]
[Request in frame: 90]
[Request URI: http://manic.cs.umass.edu/~kurose/cover_5th_ed.jpg]
File Data: 100968 bytes
```

JPEG File Interchange Format