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://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]](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

<img src=["http://gaia.cs.umass.edu/pearson.pn](http://gaia.cs.umass.edu/pearson.png)g" WIDTH="70" HEIGHT="41" > </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"><img src=["http://manic.cs.umass.edu/~kurose/cover\_5th\_ed.jp](http://manic.cs.umass.edu/%7Ekurose/cover_5th_ed.jpg)g" width="168" height="220"></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://manic.cs.umass.edu/%7Ekurose/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](http://manic.cs.umass.edu/%7Ekurose/cover_5th_ed.jpg)] File Data: 100968 bytes

JPEG File Interchange Format