

| No. | Time | Source | Destination | Protocol |
|---|----------------------------|----------------|----------------|-----------|
| Length Info | | | | |
| 89 | 2021-02-25 22:43:42.406557 | 192.168.95.64 | 128.119.245.12 | HTTP 547 |
| GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1 | | | | |
| Frame 89: 547 bytes on wire (4376 bits), 547 bytes captured (4376 bits) on interface en0, id 0 | | | | |
| Ethernet II, Src: Apple_23:bd:8b (38:f9:d3:23:bd:8b), Dst: PaloAlto_e5:00:53 (b4:0c:25:e5:00:53) | | | | |
| Internet Protocol Version 4, Src: 192.168.95.64, Dst: 128.119.245.12 | | | | |
| Transmission Control Protocol, Src Port: 61314, Dst Port: 80, Seq: 1, Ack: 1, Len: 481 | | | | |
| 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] | | | | |
| [GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1\r\n] | | | | |
| [Severity level: Chat] | | | | |
| [Group: Sequence] | | | | |
| 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 (Macintosh; Intel Mac OS X 11_2_1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/88.0.4324.182 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=0.9\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/HTTP-wireshark-file4.html] | | | | |
| [HTTP request 1/2] | | | | |
| [Response in frame: 91] | | | | |
| [Next request in frame: 93] | | | | |
| No. | Time | Source | Destination | Protocol |
| Length Info | | | | |
| 91 | 2021-02-25 22:43:42.440534 | 128.119.245.12 | 192.168.95.64 | HTTP 1367 |
| HTTP/1.1 200 OK (text/html) | | | | |
| Frame 91: 1367 bytes on wire (10936 bits), 1367 bytes captured (10936 bits) on interface en0, id 0 | | | | |
| Ethernet II, Src: PaloAlto_e5:00:53 (b4:0c:25:e5:00:53), Dst: Apple_23:bd:8b (38:f9:d3:23:bd:8b) | | | | |
| Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.95.64 | | | | |
| Transmission Control Protocol, Src Port: 80, Dst Port: 61314, Seq: 1, Ack: 482, Len: 1301 | | | | |
| Hypertext Transfer Protocol | | | | |
| HTTP/1.1 200 OK\r\n | | | | |
| [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n] | | | | |
| [HTTP/1.1 200 OK\r\n] | | | | |
| [Severity level: Chat] | | | | |
| [Group: Sequence] | | | | |
| Response Version: HTTP/1.1 | | | | |
| Status Code: 200 | | | | |
| [Status Code Description: OK] | | | | |
| Response Phrase: OK | | | | |
| Date: Fri, 26 Feb 2021 03:43:42 GMT\r\n | | | | |
| Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.14 mod_perl/2.0.11 Perl/v5.16.3\r\n | | | | |
| Last-Modified: Thu, 25 Feb 2021 06:59:01 GMT\r\n | | | | |
| ETag: "3ae-5bc23afbdc21d"\r\n | | | | |
| Accept-Ranges: bytes\r\n | | | | |
| Content-Length: 942\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: 0.033977000 seconds]
[Request in frame: 89]
[Next request in frame: 93]
[Next response in frame: 96]
[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)

| No. | Time | Source | Destination | Protocol |
|-----|------|--------|-------------|----------|
|-----|------|--------|-------------|----------|

| | | | | |
|-------------|----------------------------|---------------|----------------|----------|
| Length Info | | | | |
| 93 | 2021-02-25 22:43:42.547156 | 192.168.95.64 | 128.119.245.12 | HTTP 493 |

GET /pearson.png HTTP/1.1
Frame 93: 493 bytes on wire (3944 bits), 493 bytes captured (3944 bits) on interface en0, id 0
Ethernet II, Src: Apple_23:bd:8b (38:f9:d3:23:bd:8b), Dst: PaloAlto_e5:00:53 (b4:0c:25:e5:00:53)

Internet Protocol Version 4, Src: 192.168.95.64, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 61314, Dst Port: 80, Seq: 482, Ack: 1302, Len: 427
Hypertext Transfer Protocol

GET /pearson.png HTTP/1.1\r\n
[Expert Info (Chat/Sequence): GET /pearson.png HTTP/1.1\r\n]
[GET /pearson.png HTTP/1.1\r\n]
[Severity level: Chat]
[Group: Sequence]
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 (Macintosh; Intel Mac OS X 11_2_1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/88.0.4324.182 Safari/537.36\r\n
Accept: image/avif,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: en-US,en;q=0.9\r\n
\r\n

[Full request URI: http://gaia.cs.umass.edu/pearson.png]
[HTTP request 2/2]
[Prev request in frame: 89]
[Response in frame: 96]

| No. | Time | Source | Destination | Protocol |
|-----|------|--------|-------------|----------|
|-----|------|--------|-------------|----------|

| | | | | |
|-------------|----------------------------|----------------|---------------|-----------|
| Length Info | | | | |
| 96 | 2021-02-25 22:43:42.582781 | 128.119.245.12 | 192.168.95.64 | HTTP 1440 |

HTTP/1.1 200 OK (PNG) [Malformed Packet]
Frame 96: 1440 bytes on wire (11520 bits), 1440 bytes captured (11520 bits) on interface en0, id 0
Ethernet II, Src: PaloAlto_e5:00:53 (b4:0c:25:e5:00:53), Dst: Apple_23:bd:8b (38:f9:d3:23:bd:8b)

Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.95.64
Transmission Control Protocol, Src Port: 80, Dst Port: 61314, Seq: 1302, Ack: 909, Len: 1374
Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n
[Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
[HTTP/1.1 200 OK\r\n]
[Severity level: Chat]
[Group: Sequence]
Response Version: HTTP/1.1
Status Code: 200
[Status Code Description: OK]

Response Phrase: OK
Date: Fri, 26 Feb 2021 03:43:42 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.14 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: 0.035625000 seconds]
[Prev request in frame: 89]
[Prev response in frame: 91]
[Request in frame: 93]
[Request URI: http://gaia.cs.umass.edu/pearson.png]
File Data: 1030 bytes
Portable Network Graphics
[Malformed Packet: PNG]
[Expert Info (Error/Malformed): Malformed Packet (Exception occurred)]
[Malformed Packet (Exception occurred)]
[Severity level: Error]
[Group: Malformed]

| No. | Time | Source | Destination | Protocol | |
|--|---|-------------------|---------------|----------|------|
| Length Info | | | | | |
| 98 | 2021-02-25 22:43:42.582946 | 128.119.245.12 | 192.168.95.64 | HTTP | 1440 |
| Continuation | | | | | |
| Frame 98: 1440 bytes on wire (11520 bits), 1440 bytes captured (11520 bits) on interface en0, id 0 | | | | | |
| Ethernet II, Src: PaloAlto_e5:00:53 (b4:0c:25:e5:00:53), Dst: Apple_23:bd:8b (38:f9:d3:23:bd:8b) | | | | | |
| Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.95.64 | | | | | |
| Transmission Control Protocol, Src Port: 80, Dst Port: 61314, Seq: 2676, Ack: 909, Len: 1374 | | | | | |
| Hypertext Transfer Protocol | | | | | |
| Data (1374 bytes) | | | | | |
| 0000 | f4 6c 12 d9 09 95 6b 51 49 fb 49 57 0a 6a 3e e6 | .l....kQI.IW.j>. | | | |
| 0010 | ff 23 99 ea 23 a1 91 7a 91 ca 84 b4 eb 0b 7a 2f | .##...z.....z/ | | | |
| 0020 | f3 26 23 e7 93 3c 1e 16 75 a2 ba 8e 02 9c 5d 2a | .&#...<..u.....]* | | | |
| 0030 | 8b b9 dc c7 aa b8 34 f5 b0 a8 13 e5 da 9a 6c e2 |4.....l. | | | |
| 0040 | 6d b6 40 2e 68 4b 7b 9b e5 fb 68 df f6 28 49 b5 | m.@.hK{...h..(I. | | | |
| 0050 | cf 6f 2a b1 d9 65 56 7d 31 93 5e e9 39 4b 7d 14 | .o*..eV}1.^.9K}. | | | |
| 0060 | ce 5f 5f 53 a6 73 b5 ff 68 d7 f9 2d 3f 05 bb 0c | .__S.s..h..-?... | | | |
| 0070 | f5 a9 93 79 ef 19 97 82 4e 7b a6 56 3f 52 fd 66 | ...y....N{.V?R.f | | | |
| 0080 | bf e5 5b cc 5a a7 c4 16 6c 71 f5 49 4d fa 69 c2 | ..[.Z...lq.IM.i. | | | |
| 0090 | e3 0b 65 f9 ec 66 9f 88 8f f4 ee c6 de 9e dd de | ..e..f..... | | | |
| 00a0 | ce ca 49 f7 78 0a 1b f8 b1 86 65 8a fa e9 74 f9 | ..I.x.....e...t. | | | |
| 00b0 | f5 00 7f a7 91 fc 61 b5 b0 0f ed 65 6c 73 c4 75 |a.....els.u | | | |
| 00c0 | f8 99 5d 0d fe 38 e5 12 1f 5a db a5 a7 bd e8 be | ..]..8...Z..... | | | |
| 00d0 | 74 56 0b a4 5c d8 52 07 91 31 ef b1 fa ac a2 a0 | tV..\.R..1..... | | | |
| 00e0 | 5c ec 27 37 ee d3 e5 e3 88 ce 2a 08 8b da d6 09 | \.'7.....*..... | | | |
| 00f0 | 59 a6 4b c3 9d eb 59 d6 af 74 0a ba b9 c5 a4 4f | Y.K...Y..t.....0 | | | |
| 0100 | ea b0 7a 3f e0 fa 62 de c5 c1 c4 1f d3 a4 7c ff | ..z?...b..... . | | | |
| 0110 | b6 29 ed b6 eb ec 9c 57 e4 59 5f ca 0e 7d 49 4d | .).....W.Y...}IM | | | |
| 0120 | 7a 32 97 11 5f cc db 97 84 cc 59 7d e8 87 3a c5 | z2...Y}.... | | | |
| 0130 | 5d eb 43 32 ca 3d b9 fc fe 98 19 f8 b5 82 3e b5 |].C2.=.....>. | | | |
| 0140 | 40 b0 53 f5 49 30 a3 6d 32 c4 5f c2 c3 f9 69 2b | @.S.I0.m2._...i+ | | | |
| 0150 | 5a 58 e8 a7 f7 00 c4 82 76 35 18 d2 9c 8f 9f 5d | ZX.....v5.....] | | | |
| 0160 | 7c 4f9b fb b5 62 36 b4 62 7c a7 ec dd c2 76 56 | 0...b6.bvV | | | |
| 0170 | 5a db5b 2d e6 c3 3a 7b 64 fb 3e a5 18 96 8a 5d | Z.[-...{d.>....] | | | |

| | | |
|------|---|---------------------|
| 0180 | e7 10 9e 13 63 3f 7b de cb 85 7c 60 21 91 87 44 |c?{... \`!...D |
| 0190 | 85 d2 7a ba db a5 dc ea bb 20 f1 69 cf ef 80 62 | ..z.....i...b |
| 01a0 | 2f a5 9f 23 5d 92 78 30 f5 ff e0 d7 d7 47 fe 82 | /..#].x0.....G.. |
| 01b0 | a3 40 d8 e9 ad ab 04 f1 17 f7 5f 4f ec 8e f6 be | ..@....._0.... |
| 01c0 | 28 17 be be dd c7 8e ff d2 2c cd f1 1f 05 7d 20 | (.....,....} |
| 01d0 | fb 00 f7 47 fc 0c 5b 2e e6 23 3a c7 b0 94 0f b8 | ...G...[#:..... |
| 01e0 | 5f ac 5d 58 ba 63 99 65 fd 77 33 72 ed fe 22 2a | _.]X.c.e.w3r.."* |
| 01f0 | fb 74 76 b3 94 76 8e 28 c9 0f 17 ae 1d 62 7f bd | .tv..v.(.....b.. |
| 0200 | c5 07 40 94 25 f5 bd f8 bf 34 3f 92 dd cd 7d b9 | ..@.%....4?....} |
| 0210 | 06 ca 3c 09 a1 4a 1f df 45 bd 47 fd d7 6c a6 37 | ..<..J..E.G..l.7 |
| 0220 | 90 ed e6 32 17 38 0e 87 c3 e1 70 38 85 c3 8e 91 | ...2.8....p8.... |
| 0230 | b7 3d 67 a5 d9 ed de 7a 0a c2 ef 22 6e b5 ab 6a | .=g....z..."n..j |
| 0240 | f3 29 6f bb ce c4 75 67 54 d1 04 80 f6 da ec 00 | .)o....ugT..... |
| 0250 | ac d1 d8 77 4c 65 d5 c9 db b0 b3 31 86 f2 2b 23 | ...wLe.....1..+# |
| 0260 | fc b2 5f 57 04 cd 34 9b 39 5a 74 4e 7a 0e 54 5f | .._W..4.9ZtNz.T_ |
| 0270 | 25 07 26 26 38 a0 54 d3 bf 71 49 f4 dd 98 fa 52 | %.&&8.T..qI....R |
| 0280 | 4f 01 47 9c 51 5e 06 9d 95 7d f5 a5 21 9c 0c 5e | 0.G.Q^....}...!..^ |
| 0290 | 2f 2f 8b ce 49 82 fa 86 01 13 e1 38 2f 8b ce 49 | //..I.....8/..I |
| 02a0 | 82 fa 3e 0c 7d c1 bb cb cb a4 33 92 a0 be 04 7d | ..>..}.....3....} |
| 02b0 | 2f fc 2f f2 7e 92 fa 36 54 af d7 73 b2 e8 9c 24 | /./..~..6T...s...\$ |
| 02c0 | a9 5f c1 b4 a7 2f c2 57 bd c5 d8 f0 f4 f1 a8 11 | .._.../.W..... |
| 02d0 | ff 66 73 31 b8 ba 1a 56 3b 54 71 38 01 25 93 55 | .fs1...V;Tq8.%.U |
| 02e0 | af 8f e0 21 bb 7e d5 6e 8d fa f8 ad e6 a0 ad b8 |!~.n..... |
| 02f0 | ab 39 88 a8 8e 49 9f e6 c9 1a 0a 8a 03 de 20 85 | .9...I..... |
| 0300 | 76 78 92 60 f8 27 d6 fc f5 6a 58 9f fc bb d4 04 | vx.`.'....jX..... |
| 0310 | 0e f9 be d7 f2 6e 87 96 55 d5 5d 47 a3 e7 42 ef |n..U.]G..B. |
| 0320 | d5 ef ea c3 ea 5c f0 4c 6f 1c 99 66 dd fa a6 ae |\..Lo..f.... |
| 0330 | eb 0a a8 16 9b 8a a9 69 9a 6e 04 e9 c3 52 ba f0 |i.n...R.. |
| 0340 | 2c 86 61 38 23 b7 4d 4e 33 19 fa dd 61 bd 63 0d | ,a8#.MN3...a.c. |
| 0350 | 7c c5 ab 86 fa 6d a1 eb 80 93 e8 3e ba bc 62 56 |m.....>..bV |
| 0360 | e0 79 fc f9 4f a8 b7 95 7d f5 15 32 ef 47 5e a5 | .y..0....}..2.G^. |
| 0370 | 1d f8 76 e4 08 ee 20 fa c8 dc ab 8c 83 35 b1 e3 | ..v... ..5.. |
| 0380 | 0a 9a 4f c6 a5 e1 04 df ad fb 2e 1a c4 0a b2 fa | ..0..... |
| 0390 | 55 69 05 41 30 37 84 8a 46 d4 d7 7d b3 15 0c 8f | Ui.A07..F..}.... |
| 03a0 | 3d 30 74 07 87 57 ff 15 46 9f 5b 2a 55 3d d3 51 | =0t..W..F.[*U=.Q |
| 03b0 | 5c 03 be 32 87 27 d5 1d 90 a4 1e e5 7c 05 3a 74 | \..2.'..... :t |
| 03c0 | 08 8c c5 11 39 af 10 0b 5e 4d c1 c1 0e 5f e8 82 |9....^M..... |
| 03d0 | e0 93 c0 ac 56 a0 fa e6 ed 6a d2 30 d1 1e 02 7e |V....j.0...~ |
| 03e0 | d5 34 a3 b3 98 02 51 3f 34 a8 91 a8 ea 82 87 73 | .4....Q?4.....s |
| 03f0 | cd 1d 1c 43 a7 34 70 3c 30 89 fa 8d 16 1a 8c 1f | ...C.4p<0..... |
| 0400 | 48 c3 09 ea 27 f0 d2 da 0a fc 35 30 05 23 ba e6 | H...'......50.#.. |
| 0410 | 1d f8 a4 63 a1 3f 9b 60 ba 68 42 78 1c 2e 90 da | ...c.?.`.hBx.... |
| 0420 | 55 f4 ed 3a 18 8c 4a dd 01 e5 42 d3 08 d5 f7 3c | U.....J...B....< |
| 0430 | b2 91 00 1b 8b 48 f1 d0 14 5c aa a8 6a 6b 82 62 |H...\.jk.b |
| 0440 | d1 56 35 5d 33 1c 55 98 89 b4 d6 49 04 33 24 a8 | .V5]3.U....I.3\$. |
| 0450 | ef e8 70 a4 1b 81 48 81 1c 87 1e 70 91 0f 51 35 | ..p...H....p..Q5 |
| 0460 | e8 5c 63 ab 61 75 10 65 37 a8 5e a8 c0 88 e9 fb | .\c.au.e7.^..... |
| 0470 | e0 2f 03 9c 7a a0 51 cb e7 9d 82 d5 5b 0e ab 08 | ./..z.Q.....[... |
| 0480 | 8e 96 df 23 56 81 ab e1 84 8a 0a 30 72 8d 93 91 | ...#V.....0r... |
| 0490 | a0 1e 0e b4 fe 0a de 72 d8 75 0f c5 34 72 0e 9a |r.u..4r.. |
| 04a0 | 96 06 9e a5 70 2c 0c 3c 14 81 7a e5 3a b0 d9 f5 |p,<..z:.... |
| 04b0 | c1 79 4a 0e 73 1a cb 09 d4 df f9 f8 74 18 70 bd | .yJ.s.....t.p. |
| 04c0 | 70 64 02 f5 0a 59 66 d0 de e3 f4 c5 f7 be fa 3a | pd...Yf.....: |
| 04d0 | 98 ae 3a f4 09 9c d0 f4 15 2d 1d 87 78 1d b8 42 |-..x..B |
| 04e0 | 73 f0 54 1e 54 e8 da 08 aa d7 70 7a 9c c0 94 06 | s.T.T.....pz.... |
| 04f0 | a7 86 4e f9 6d a5 45 5f 73 98 85 6c 00 86 d1 69 | ..N.m.E_s..l...i |
| 0500 | 12 ab 48 92 2d 09 f4 70 9f 8e 3d f5 75 90 c3 5d | ..H.-..p..=.u..] |
| 0510 | 94 dd 60 b4 29 54 bb cb 32 83 44 0c 18 2b 8e 1e | ..`..)T..2.D..+.. |
| 0520 | 19 be af 9e ad 94 ee 60 96 d0 a2 e0 00 45 01 fc |`.....E.. |
| 0530 | b7 ef c1 60 66 6c 41 c3 3b 8e ac 72 a9 5a 1b b6 | ...`fLA.;..r.Z.. |
| 0540 | 21 7e 4c fd 08 1b 66 b5 4d cd 11 d0 65 ae 61 f2 | !~L...f.M...e.a. |

| No. | Time | Source | Destination | Protocol |
|---|---|--------------------|---------------|----------|
| 0550 | a3 a6 3d 32 4e 70 03 27 4e a8 98 38 a4 be | 128.119.245.12 | 192.168.95.64 | HTTP 929 |
| Continuation | | | | |
| Frame 100: 929 bytes on wire (7432 bits), 929 bytes captured (7432 bits) on interface en0, id 0 | | | | |
| Ethernet II, Src: PaloAlto_e5:00:53 (b4:0c:25:e5:00:53), Dst: Apple_23:bd:8b (38:f9:d3:bd:8b) | | | | |
| Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.95.64 | | | | |
| Transmission Control Protocol, Src Port: 80, Dst Port: 61314, Seq: 4050, Ack: 909, Len: 863 | | | | |
| Hypertext Transfer Protocol | | | | |
| Data (863 bytes) | | | | |
| 0000 | e4 a1 39 3c 66 8d 47 63 a9 31 87 82 d9 7d 87 ad | ..9<f.Gc.1...}.. | | |
| 0010 | a2 87 e6 ea e0 8d 10 e0 40 4d f3 f6 db 7e f3 43 |B..9.... | | |
| 0020 | bc 08 0c fc e0 8d 10 e0 40 4d f3 f6 db 7e f3 43 |@M....~.C | | |
| 0030 | ea c7 41 fb cc 70 07 4d 32 01 60 b6 88 6d 24 d1 | ..A..p.M2.`..m\$. | | |
| 0040 | 62 83 16 99 f3 aa 6f 8f 01 57 c3 f9 a2 49 26 22 | b.....o..W...I&" | | |
| 0050 | 4a ec 42 2b 46 3b be f5 b3 d1 6a 9c a9 be 81 9c | J.B+F;....j..... | | |
| 0060 | 0f 07 c0 f4 5e b1 04 78 76 8d ad 60 9e 5c 5c 63 |^..xv...`.\c | | |
| 0070 | 9e 55 3d b5 1c 13 d0 1a 3b 48 78 83 d0 6f 8c 5a | .U=.....;Hx..o.Z | | |
| 0080 | b7 b7 15 e1 80 fa 52 d5 15 30 9a db 0a a2 07 8e |R..0..... | | |
| 0090 | 48 ec f4 77 51 d5 7d 5e f5 49 6d 3c 61 df 39 0c | H..wQ.}^..Im<a.9. | | |
| 00a0 | 4f f5 96 e7 f9 c2 e8 7a 70 c8 f7 b0 cc d7 89 7e | 0.....zp.....~ | | |
| 00b0 | ff 1a 5f 37 a6 be ff 8b d4 b7 51 ab 3b ed 7b 8d | .._7.....Q.;.{. | | |
| 00c0 | b1 a7 1b e6 02 4e 94 83 f3 1e 5e a6 5e 71 74 2d |N.....^..^qt- | | |
| 00d0 | d4 8f 12 5b 82 ef 03 f5 a3 d2 6f 50 0f 73 15 aa | ...[.....oP.s... | | |
| 00e0 | 77 13 78 6a 39 a4 2c 3d 98 f3 03 7a 8b 15 d8 f6 | w.xj9.,=...z.... | | |
| 00f0 | 09 f8 72 e6 fe e0 06 f3 de c2 56 29 d4 5b 67 57 | ..r.....V).[gW | | |
| 0100 | 0f 5d 1a 2e ef 71 9e 14 18 ec 38 41 1e a9 1e 70 | .]...q.....8A...p | | |
| 0110 | 67 b5 51 ed 5f 29 05 7a 62 a5 7b 90 f3 1b a5 df | g.Q._).zb.{..... | | |
| 0120 | a0 be 63 a6 56 97 6d c6 96 43 ea fb 23 ea 45 13 | ..c.V.m..C..#.E. | | |
| 0130 | 2a f4 ec b0 22 66 fa 1c e1 7a 6f 97 7e 83 fa 3b | *..."f...zo.~..; | | |
| 0140 | 4f 48 f1 62 b0 87 8f 5e 1e 52 df eb d2 b7 c6 9e | 0H.b...^..R..... | | |
| 0150 | 80 44 05 2c fb 13 24 90 d9 b8 c0 f1 0e f2 6c fe | .D.,...\$.....l. | | |
| 0160 | ea d1 15 51 90 d2 c0 58 58 e8 4c a1 72 28 eb f5 | ...Q...XX.L.r(.. | | |
| 0170 | 1c 83 be 3d 0c 4a 46 94 cf 5a 7b 82 e0 36 4a e9 | ...=.JF..Z{..6J. | | |
| 0180 | 45 56 e5 ab fe 5a d9 77 7e bd 5b 0a e4 52 f9 f0 | EV...Z.w~.[..R.. | | |
| 0190 | d0 8a d7 73 2a 74 5b 6a e2 04 df bd f6 e2 85 86 | ...s*t[j..... | | |
| 01a0 | 10 35 0a 02 f5 d4 98 9d bd da 01 d5 1e cc 7b cc | .5.....{. | | |
| 01b0 | 4d 9d 4e 17 aa ac 32 f9 10 aa 38 a0 5e f0 c8 1e | M.N...2...8.^... | | |
| 01c0 | 07 a8 0f 1b a6 03 f0 49 83 fa dc c4 8d b6 11 e7 |I..... | | |
| 01d0 | 52 ff e4 ec af bb 18 5b d3 c2 3e 47 48 bd 8b 3e | R.....[...>GH...> | | |
| 01e0 | 88 9a 36 78 6b de eb c2 a5 51 8f a6 76 a2 7a 41 | ..6xk....Q..v.zA | | |
| 01f0 | 27 4a 9a a6 1f ee 15 56 15 c1 a4 3e 09 4a eb b0 | 'J.....V....>.J.. | | |
| 0200 | b9 71 36 f5 c8 8f 82 93 7c e3 e6 0e dd de 77 87 | .q6.....w. | | |
| 0210 | 81 4d d7 63 3f 5c 9f d1 ee cf 85 82 ed 45 b7 de | .M.c?\.....E.. | | |
| 0220 | 33 e8 f1 4b 56 4f 4d 14 c1 c1 bd 72 7b a5 53 a1 | 3..KVOM....r{.S. | | |
| 0230 | d5 74 b5 28 44 ce 33 ef 27 03 33 28 bf f4 4e 62 | .t.(D.3.'.3(..Nb | | |
| 0240 | db c8 1e 3b 70 59 76 8c f1 70 6c b8 3e 4e 0f 0d | ...;pYv..pl.>N.. | | |
| 0250 | d8 b3 12 4c 63 3c f6 c1 54 b0 51 07 6b d1 ec 44 | ...Lc<..T.Q.k..D | | |
| 0260 | 76 b2 eb 38 50 ef e8 15 21 90 39 59 79 54 f5 3c | v..8P...!.9YyT.< | | |
| 0270 | f0 34 37 8c 1a cb 33 da d1 fe 11 35 44 49 bf a8 | .47...3....5DI.. | | |
| 0280 | 64 eb a9 d9 e9 6f 69 b4 7d df 31 43 bc ae b1 4a | d....oi.}.1C...J | | |
| 0290 | ba 63 d0 14 5c 1d 6c 6c 2b ba a1 b4 48 06 68 98 | .c..\ll+...H.h. | | |
| 02a0 | 46 05 1c 34 fc 2b 68 b0 e5 eb 95 8a db 05 aa 9a | F..4.+h..... | | |
| 02b0 | 63 0f 9d d1 b9 6d bd 46 e1 d4 53 b4 c9 02 8c 9d | c....m.F..S..... | | |
| 02c0 | 30 5f 54 57 5d 85 69 66 5d 8f 3d 5f af c2 fb 05 | 0_TW].if].=_.... | | |
| 02d0 | b7 1a 7e c3 be 12 7c 64 d3 6d 3b c8 26 93 95 6f | ..~... d.m;.&..o | | |
| 02e0 | c0 d7 8a d3 3a 5d 73 eb c9 8a 91 dc 35 ec d5 87 |]s.....5... | | |
| 02f0 | ad 76 6b 60 b1 63 d3 ac 52 77 58 7a a3 79 d5 82 | .vk`.c..RwXz.y.. | | |
| 0300 | e3 d0 b3 3a 18 2b 9a b5 3d 01 0e c4 75 7d b8 12 |+...=...u}.. | | |

| | | |
|------|---|------------------|
| 0310 | 5a f3 bd b6 f4 c4 1a ac 74 6d 3c a2 f2 62 a7 19 | Z.....tm<..b.. |
| 0320 | d2 09 ce df 27 07 fe 0f b7 56 39 1c 0e 87 c3 e1 |'....V9..... |
| 0330 | 70 38 1c 0e 87 c3 e1 70 38 1c 0e 87 c3 e1 70 38 | p8.....p8.....p8 |
| 0340 | 1c 0e 87 c3 e1 70 38 9c 42 f2 1f ff 8d ea 68 93 |p8.B.....h. |
| 0350 | cc bc bc 00 00 00 00 49 45 4e 44 ae 42 60 82 |IEND.B`. |

| No. | Time | Source | Destination | Protocol |
|-----|------|--------|-------------|----------|
|-----|------|--------|-------------|----------|

Length Info
110 2021-02-25 22:43:42.717224 192.168.95.64 178.79.137.164 HTTP 460
GET /8E_cover_small.jpg HTTP/1.1
Frame 110: 460 bytes on wire (3680 bits), 460 bytes captured (3680 bits) on interface en0, id 0
Ethernet II, Src: Apple_23:bd:8b (38:f9:d3:23:bd:8b), Dst: PaloAlto_e5:00:53 (b4:0c:25:e5:00:53)
Internet Protocol Version 4, Src: 192.168.95.64, Dst: 178.79.137.164
Transmission Control Protocol, Src Port: 61316, Dst Port: 80, Seq: 1, Ack: 1, Len: 394
Hypertext Transfer Protocol
GET /8E_cover_small.jpg HTTP/1.1\r\n
[Expert Info (Chat/Sequence): GET /8E_cover_small.jpg HTTP/1.1\r\n
[GET /8E_cover_small.jpg HTTP/1.1\r\n
[Severity level: Chat]
[Group: Sequence]
Request Method: GET
Request URI: /8E_cover_small.jpg
Request Version: HTTP/1.1
Host: kurose.cslash.net\r\n
Connection: keep-alive\r\n
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 11_2_1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/88.0.4324.182 Safari/537.36\r\n
Accept: image/avif,image/webp,image/apng,image/svg+xml,image/*,*/*;q=0.8\r\n
Referer: http://gaia.cs.umass.edu/\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: en-US,en;q=0.9\r\n
\r\n
[Full request URI: http://kurose.cslash.net/8E_cover_small.jpg]
[HTTP request 1/1]
[Response in frame: 113]

| No. | Time | Source | Destination | Protocol |
|-----|------|--------|-------------|----------|
|-----|------|--------|-------------|----------|

Length Info
113 2021-02-25 22:43:42.825368 178.79.137.164 192.168.95.64 HTTP 237
HTTP/1.1 301 Moved Permanently
Frame 113: 237 bytes on wire (1896 bits), 237 bytes captured (1896 bits) on interface en0, id 0
Ethernet II, Src: PaloAlto_e5:00:53 (b4:0c:25:e5:00:53), Dst: Apple_23:bd:8b (38:f9:d3:23:bd:8b)
Internet Protocol Version 4, Src: 178.79.137.164, Dst: 192.168.95.64
Transmission Control Protocol, Src Port: 80, Dst Port: 61316, Seq: 1, Ack: 395, Len: 171
Hypertext Transfer Protocol
HTTP/1.1 301 Moved Permanently\r\n
[Expert Info (Chat/Sequence): HTTP/1.1 301 Moved Permanently\r\n
[HTTP/1.1 301 Moved Permanently\r\n
[Severity level: Chat]
[Group: Sequence]
Response 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\n
Content-Length: 0\r\n
Date: Fri, 26 Feb 2021 03:43:43 GMT\r\n
Server: lighttpd/1.4.47\r\n
\r\n
[HTTP response 1/1]
[Time since request: 0.108144000 seconds]

| | | | | | |
|--|----------------------------|----------------|----------------|----------|-----|
| [Request in frame: 110] | | | | | |
| [Request URI: http://kurose.cslash.net/8E_cover_small.jpg] | | | | | |
| No. | Time | Source | Destination | Protocol | |
| Length Info | | | | | |
| 136 | 2021-02-25 22:43:43.137568 | 192.168.95.64 | 131.118.254.46 | HTTP | 361 |
| MFgwVqADAgEAME8wTTBLMAkGBSs0AwIaBQAEFEjayaD7K9MtT%2FDeaNL1Z7c1%2BbPEBBQULrMXt1hWy65QCUDmH6%2Bdix | | | | | |
| HTTP/1.1 | | | | | |
| Frame 136: 361 bytes on wire (2888 bits), 361 bytes captured (2888 bits) on interface en0, id 0 | | | | | |
| Ethernet II, Src: Apple_23:bd:8b (38:f9:d3:23:bd:8b), Dst: PaloAlto_e5:00:53 (b4:0c:25:e5:00:53) | | | | | |
| Internet Protocol Version 4, Src: 192.168.95.64, Dst: 131.118.254.46 | | | | | |
| Transmission Control Protocol, Src Port: 61318, Dst Port: 80, Seq: 1, Ack: 1, Len: 295 | | | | | |
| Hypertext Transfer Protocol | | | | | |
| GET / | | | | | |
| MFgwVqADAgEAME8wTTBLMAkGBSs0AwIaBQAEFEjayaD7K9MtT%2FDeaNL1Z7c1%2BbPEBBQULrMXt1hWy65QCUDmH6%2Bdix | | | | | |
| HTTP/1.1\r\n | | | | | |
| [Expert Info (Chat/Sequence): GET / | | | | | |
| MFgwVqADAgEAME8wTTBLMAkGBSs0AwIaBQAEFEjayaD7K9MtT%2FDeaNL1Z7c1%2BbPEBBQULrMXt1hWy65QCUDmH6%2Bdix | | | | | |
| HTTP/1.1\r\n] | | | | | |
| [GET / | | | | | |
| MFgwVqADAgEAME8wTTBLMAkGBSs0AwIaBQAEFEjayaD7K9MtT%2FDeaNL1Z7c1%2BbPEBBQULrMXt1hWy65QCUDmH6%2Bdix | | | | | |
| HTTP/1.1\r\n] | | | | | |
| [Severity level: Chat] | | | | | |
| [Group: Sequence] | | | | | |
| Request Method: GET | | | | | |
| Request URI: / | | | | | |
| MFgwVqADAgEAME8wTTBLMAkGBSs0AwIaBQAEFEjayaD7K9MtT%2FDeaNL1Z7c1%2BbPEBBQULrMXt1hWy65QCUDmH6%2Bdix | | | | | |
| Request Version: HTTP/1.1 | | | | | |
| Host: r3.o.lencr.org\r\n | | | | | |
| Accept: */*\r\n | | | | | |
| Accept-Language: en-us\r\n | | | | | |
| Connection: keep-alive\r\n | | | | | |
| Accept-Encoding: gzip, deflate\r\n | | | | | |
| User-Agent: com.apple.trustd/2.0\r\n | | | | | |
| \r\n | | | | | |
| [Full request URI: http://r3.o.lencr.org/ | | | | | |
| MFgwVqADAgEAME8wTTBLMAkGBSs0AwIaBQAEFEjayaD7K9MtT%2FDeaNL1Z7c1%2BbPEBBQULrMXt1hWy65QCUDmH6%2Bdix | | | | | |
| [HTTP request 1/1] | | | | | |
| [Response in frame: 144] | | | | | |
| No. | Time | Source | Destination | Protocol | |
| Length Info | | | | | |
| 144 | 2021-02-25 22:43:43.201492 | 131.118.254.46 | 192.168.95.64 | OCSP | 955 |
| Response | | | | | |
| Frame 144: 955 bytes on wire (7640 bits), 955 bytes captured (7640 bits) on interface en0, id 0 | | | | | |
| Ethernet II, Src: PaloAlto_e5:00:53 (b4:0c:25:e5:00:53), Dst: Apple_23:bd:8b (38:f9:d3:23:bd:8b) | | | | | |
| Internet Protocol Version 4, Src: 131.118.254.46, Dst: 192.168.95.64 | | | | | |
| Transmission Control Protocol, Src Port: 80, Dst Port: 61318, Seq: 1, Ack: 296, Len: 889 | | | | | |
| Hypertext Transfer Protocol | | | | | |
| HTTP/1.1 200 OK\r\n | | | | | |
| [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n] | | | | | |
| [HTTP/1.1 200 OK\r\n] | | | | | |
| [Severity level: Chat] | | | | | |
| [Group: Sequence] | | | | | |
| Response Version: HTTP/1.1 | | | | | |
| Status Code: 200 | | | | | |
| [Status Code Description: OK] | | | | | |
| Response Phrase: OK | | | | | |
| Server: nginx\r\n | | | | | |
| Content-Type: application/ocsp-response\r\n | | | | | |

```
Content-Length: 503\r\n
ETag: "D10B630959A1A8B84C9CE68C6E95530AA8DA1366B9110FBC8429D7D4449E73B4"\r\n
Last-Modified: Tue, 23 Feb 2021 14:00:00 UTC\r\n
Cache-Control: public, no-transform, must-revalidate, max-age=43189\r\n
Expires: Fri, 26 Feb 2021 15:43:32 GMT\r\n
Date: Fri, 26 Feb 2021 03:43:43 GMT\r\n
Connection: keep-alive\r\n
\r\n
[HTTP response 1/1]
[Time since request: 0.063924000 seconds]
[Request in frame: 136]
[Request URI: http://r3.o.lencr.org/
MFgwVqADAgEAME8wTTBLMAkGBSs0AwIaBQAEFEjayaD7K9MtT%2FDeaNL1Z7c1%2BbPEBBQULrMXt1hWy65QCUDmH6%2Bdix
File Data: 503 bytes
Online Certificate Status Protocol
```