

PART 1

No.	Time	Source	Destination	Protocol	Length	Info
93	8.125239000	155.41.59.11	128.119.245.12	HTTP	513	GET

/wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1

Frame 93: 513 bytes on wire (4104 bits), 513 bytes captured (4104 bits) on interface 0
 Ethernet II, Src: IntelCor_67:9c:0b (e8:b1:fc:67:9c:0b), Dst: Cisco_9f:f0:66 (00:00:0c:9f:f0:66)
 Internet Protocol Version 4, Src: 155.41.59.11 (155.41.59.11), Dst: 128.119.245.12
 (128.119.245.12)
 Transmission Control Protocol, Src Port: 51194 (51194), Dst Port: 80 (80), Seq: 1, Ack: 1, Len: 459

Hypertext Transfer Protocol

```
GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1\r\n
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
Pragma: no-cache\r\n
Cache-Control: no-cache\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8\r\n
Upgrade-Insecure-Requests: 1\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/45.0.2454.101 Safari/537.36\r\n
Accept-Encoding: gzip, deflate, sdch\r\n
Accept-Language: en-US,en;q=0.8\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file1.html]
[HTTP request 1/1]
[Response in frame: 95]
```

No.	Time	Source	Destination	Protocol	Length	Info
95	8.132700000	128.119.245.12	155.41.59.11	HTTP	542	HTTP/1.1 200

OK (text/html)

Frame 95: 542 bytes on wire (4336 bits), 542 bytes captured (4336 bits) on interface 0
 Ethernet II, Src: Cisco_30:a1:c0 (fc:fb:fb:30:a1:c0), Dst: IntelCor_67:9c:0b (e8:b1:fc:67:9c:0b)
 Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 155.41.59.11
 (155.41.59.11)
 Transmission Control Protocol, Src Port: 80 (80), Dst Port: 51194 (51194), Seq: 1, Ack: 460,
 Len: 488

Hypertext Transfer Protocol

```
HTTP/1.1 200 OK\r\n
Date: Tue, 13 Oct 2015 20:21:52 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.1e-fips PHP/5.4.16 mod_perl/2.0.9dev
Perl/v5.16.3\r\n
Last-Modified: Tue, 13 Oct 2015 05:59:01 GMT\r\n
ETag: "80-521f6247d0cb4"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 128\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 1/1]
[Time since request: 0.007461000 seconds]
[Request in frame: 93]
```

Line-based text data: text/html

PART 2

1	0.000000	192.168.2.9	128.119.245.12	HTTP	518	GET
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/wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1

Frame 1: 518 bytes on wire (4144 bits), 518 bytes captured (4144 bits)
 Ethernet II, Src: HonHaiPr_c1:6b:ad (10:08:b1:c1:6b:ad), Dst: BelkinIn_98:a4:90
 (ec:1a:59:98:a4:90)
 Internet Protocol Version 4, Src: 192.168.2.9 (192.168.2.9), Dst: 128.119.245.12 (128.119.245.12)
 Transmission Control Protocol, Src Port: 45012 (45012), Dst Port: 80 (80), Seq: 1, Ack: 1, Len:

452

Hypertext Transfer Protocol

```
GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
Pragma: no-cache\r\n
Cache-Control: no-cache\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8\r\n
User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Ubuntu
Chromium/37.0.2062.120 Chrome/37.0.2062.120 Safari/537.36\r\n
Accept-Encoding: gzip,deflate,sdch\r\n
Accept-Language: en-US,en;q=0.8\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html]
[HTTP request 1/2]
[Response in frame: 2]
[Next request in frame: 3]
```

```
2 0.016372 128.119.245.12 192.168.2.9 HTTP 798 HTTP/1.1 200
OK (text/html)
```

Frame 2: 798 bytes on wire (6384 bits), 798 bytes captured (6384 bits)

Ethernet II, Src: BelkinIn_98:a4:90 (ec:1a:59:98:a4:90), Dst: HonHaiPr_c1:6b:ad (10:08:b1:c1:6b:ad)

Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 192.168.2.9 (192.168.2.9)

Transmission Control Protocol, Src Port: 80 (80), Dst Port: 45012 (45012), Seq: 1, Ack: 453, Len: 732

Hypertext Transfer Protocol

```
HTTP/1.1 200 OK\r\n
Date: Tue, 13 Oct 2015 16:17:17 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.1e-fips PHP/5.4.16 mod_perl/2.0.9dev
Perl/v5.16.3\r\n
Last-Modified: Tue, 13 Oct 2015 05:59:01 GMT\r\n
ETag: "173-521f6247d04e4"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 371\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: 0.016372000 seconds]
[Request in frame: 1]
[Next request in frame: 3]
[Next response in frame: 4]
```

Line-based text data: text/html

```
3 3.001949 192.168.2.9 128.119.245.12 HTTP 587 GET
/wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
```

Frame 3: 587 bytes on wire (4696 bits), 587 bytes captured (4696 bits)

Ethernet II, Src: HonHaiPr_c1:6b:ad (10:08:b1:c1:6b:ad), Dst: BelkinIn_98:a4:90 (ec:1a:59:98:a4:90)

Internet Protocol Version 4, Src: 192.168.2.9 (192.168.2.9), Dst: 128.119.245.12 (128.119.245.12)

Transmission Control Protocol, Src Port: 45012 (45012), Dst Port: 80 (80), Seq: 453, Ack: 733, Len: 521

Hypertext Transfer Protocol

```
GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
Cache-Control: max-age=0\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8\r\n
User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Ubuntu
Chromium/37.0.2062.120 Chrome/37.0.2062.120 Safari/537.36\r\n
Accept-Encoding: gzip,deflate,sdch\r\n
Accept-Language: en-US,en;q=0.8\r\n
```

```
If-None-Match: "173-521f6247d04e4"\r\n
If-Modified-Since: Tue, 13 Oct 2015 05:59:01 GMT\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file2.html]
[HTTP request 2/2]
[Prev request in frame: 1]
[Response in frame: 4]

4 3.014225      128.119.245.12      192.168.2.9      HTTP      307      HTTP/1.1 304
Not Modified
```

```
Frame 4: 307 bytes on wire (2456 bits), 307 bytes captured (2456 bits)
Ethernet II, Src: BelkinIn_98:a4:90 (ec:1a:59:98:a4:90), Dst: HonHaiPr_c1:6b:ad
(10:08:b1:c1:6b:ad)
Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 192.168.2.9 (192.168.2.9)
Transmission Control Protocol, Src Port: 80 (80), Dst Port: 45012 (45012), Seq: 733, Ack: 974,
Len: 241
Hypertext Transfer Protocol
HTTP/1.1 304 Not Modified\r\n
Date: Tue, 13 Oct 2015 16:17:20 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.1e-fips PHP/5.4.16 mod_perl/2.0.9dev
Perl/v5.16.3\r\n
Connection: Keep-Alive\r\n
Keep-Alive: timeout=5, max=99\r\n
ETag: "173-521f6247d04e4"\r\n
\r\n
[HTTP response 2/2]
[Time since request: 0.012276000 seconds]
[Prev request in frame: 1]
[Prev response in frame: 2]
[Request in frame: 3]
```

```
#### Part 3 ####
65 3.502995000      155.41.59.11      128.119.245.12      HTTP      513      GET
/wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1
```

```
Frame 65: 513 bytes on wire (4104 bits), 513 bytes captured (4104 bits) on interface 0
Ethernet II, Src: IntelCor_67:9c:0b (e8:b1:fc:67:9c:0b), Dst: Cisco_9f:f0:66 (00:00:0c:9f:f0:66)
Internet Protocol Version 4, Src: 155.41.59.11 (155.41.59.11), Dst: 128.119.245.12
(128.119.245.12)
Transmission Control Protocol, Src Port: 59150 (59150), Dst Port: 80 (80), Seq: 1, Ack: 1, Len:
459
Hypertext Transfer Protocol
GET /wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1\r\n
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
Pragma: no-cache\r\n
Cache-Control: no-cache\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8\r\n
Upgrade-Insecure-Requests: 1\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/45.0.2454.101 Safari/537.36\r\n
Accept-Encoding: gzip, deflate, sdch\r\n
Accept-Language: en-US,en;q=0.8\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file3.html]
[HTTP request 1/1]
[Response in frame: 70]
```

```
70 3.508161000      128.119.245.12      155.41.59.11      HTTP      537      HTTP/1.1 200
OK (text/html)
```

```
Frame 70: 537 bytes on wire (4296 bits), 537 bytes captured (4296 bits) on interface 0
Ethernet II, Src: Cisco_30:a1:c0 (fc:fb:fb:30:a1:c0), Dst: IntelCor_67:9c:0b (e8:b1:fc:67:9c:0b)
Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 155.41.59.11
```

```
(155.41.59.11)
Transmission Control Protocol, Src Port: 80 (80), Dst Port: 59150 (59150), Seq: 4381, Ack: 460,
Len: 483
[4 Reassembled TCP Segments (4863 bytes): #67(1460), #68(1460), #69(1460), #70(483)]
  [Frame: 67, payload: 0-1459 (1460 bytes)]
  [Frame: 68, payload: 1460-2919 (1460 bytes)]
  [Frame: 69, payload: 2920-4379 (1460 bytes)]
  [Frame: 70, payload: 4380-4862 (483 bytes)]
  [Segment count: 4]
  [Reassembled TCP length: 4863]
  [Reassembled TCP Data: 485454502f312e3120323030204f4b0d0a446174653a2054...]
Hypertext Transfer Protocol
HTTP/1.1 200 OK\r\n
Date: Tue, 13 Oct 2015 20:09:47 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.1e-fips PHP/5.4.16 mod_perl/2.0.9dev
Perl/v5.16.3\r\n
Last-Modified: Tue, 13 Oct 2015 05:59:01 GMT\r\n
ETag: "1194-521f6247cca4c"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 4500\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 1/1]
[Time since request: 0.005166000 seconds]
[Request in frame: 65]
Line-based text data: text/html
```

```
#### Part 4 ####
  1 0.000000    192.168.2.9          128.119.245.12      HTTP      518      GET
    /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1
```

```
Frame 1: 518 bytes on wire (4144 bits), 518 bytes captured (4144 bits)
Ethernet II, Src: HonHaiPr_c1:6b:ad (10:08:b1:c1:6b:ad), Dst: BelkinIn_98:a4:90
(ec:1a:59:98:a4:90)
Internet Protocol Version 4, Src: 192.168.2.9 (192.168.2.9), Dst: 128.119.245.12 (128.119.245.12)
Transmission Control Protocol, Src Port: 48402 (48402), Dst Port: 80 (80), Seq: 1, Ack: 1, Len:
452
```

```
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
Pragma: no-cache\r\n
Cache-Control: no-cache\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8\r\n
User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Ubuntu
Chromium/37.0.2062.120 Chrome/37.0.2062.120 Safari/537.36\r\n
Accept-Encoding: gzip,deflate,sdch\r\n
Accept-Language: en-US,en;q=0.8\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html]
[HTTP request 1/1]
[Response in frame: 2]
```

```
  2 0.018701    128.119.245.12          192.168.2.9          HTTP      1168     HTTP/1.1 200
    OK (text/html)
```

```
Frame 2: 1168 bytes on wire (9344 bits), 1168 bytes captured (9344 bits)
Ethernet II, Src: BelkinIn_98:a4:90 (ec:1a:59:98:a4:90), Dst: HonHaiPr_c1:6b:ad
(10:08:b1:c1:6b:ad)
Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 192.168.2.9 (192.168.2.9)
Transmission Control Protocol, Src Port: 80 (80), Dst Port: 48402 (48402), Seq: 1, Ack: 453,
Len: 1102
Hypertext Transfer Protocol
HTTP/1.1 200 OK\r\n
```

Date: Tue, 13 Oct 2015 15:41:41 GMT\r\n
 Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.1e-fips PHP/5.4.16 mod_perl/2.0.9dev
 Perl/v5.16.3\r\n
 Last-Modified: Tue, 13 Oct 2015 05:59:01 GMT\r\n
 ETag: "2e5-521f6247cf92c"\r\n
 Accept-Ranges: bytes\r\n
 Content-Length: 741\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 1/1]
 [Time since request: 0.018701000 seconds]
 [Request in frame: 1]

Line-based text data: text/html

3 0.271070 192.168.2.9 128.119.240.90 HTTP 525 GET
 /~kurose/cover_5th_ed.jpg HTTP/1.1

Frame 3: 525 bytes on wire (4200 bits), 525 bytes captured (4200 bits)
 Ethernet II, Src: HonHaiPr_c1:6b:ad (10:08:b1:c1:6b:ad), Dst: BelkinIn_98:a4:90
 (ec:1a:59:98:a4:90)
 Internet Protocol Version 4, Src: 192.168.2.9 (192.168.2.9), Dst: 128.119.240.90 (128.119.240.90)
 Transmission Control Protocol, Src Port: 42886 (42886), Dst Port: 80 (80), Seq: 1, Ack: 1, Len:
 459

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
 Pragma: no-cache\r\n
 Cache-Control: no-cache\r\n
 Accept: image/webp,*/*;q=0.8\r\n
 User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Ubuntu
 Chromium/37.0.2062.120 Chrome/37.0.2062.120 Safari/537.36\r\n
 Referer: <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html>\r\n
 Accept-Encoding: gzip,deflate,sdch\r\n
 Accept-Language: en-US,en;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: 4]

4 0.288352 128.119.240.90 192.168.2.9 HTTP 522 HTTP/1.1 302
 Found (text/html)

Frame 4: 522 bytes on wire (4176 bits), 522 bytes captured (4176 bits)
 Ethernet II, Src: BelkinIn_98:a4:90 (ec:1a:59:98:a4:90), Dst: HonHaiPr_c1:6b:ad
 (10:08:b1:c1:6b:ad)
 Internet Protocol Version 4, Src: 128.119.240.90 (128.119.240.90), Dst: 192.168.2.9 (192.168.2.9)
 Transmission Control Protocol, Src Port: 80 (80), Dst Port: 42886 (42886), Seq: 1, Ack: 460,
 Len: 456

Hypertext Transfer Protocol

HTTP/1.1 302 Found\r\n
 Date: Tue, 13 Oct 2015 15:41:41 GMT\r\n
 Server: Apache\r\n
 Location: http://caite.cs.umass.edu/~kurose/cover_5th_ed.jpg\r\n
 Content-Length: 234\r\n
 Connection: close\r\n
 Content-Type: text/html; charset=iso-8859-1\r\n
 \r\n
 [HTTP response 1/1]
 [Time since request: 0.017282000 seconds]
 [Request in frame: 3]

Line-based text data: text/html

5 0.295224 192.168.2.9 165.193.140.14 HTTP 566 GET

/assets/hip/us/hip_us_pearsonhighered/images/pearson_logo.gif HTTP/1.1

Frame 5: 566 bytes on wire (4528 bits), 566 bytes captured (4528 bits)

Ethernet II, Src: HonHaiPr_c1:6b:ad (10:08:b1:c1:6b:ad), Dst: BelkinIn_98:a4:90 (ec:1a:59:98:a4:90)

Internet Protocol Version 4, Src: 192.168.2.9 (192.168.2.9), Dst: 165.193.140.14 (165.193.140.14)
Transmission Control Protocol, Src Port: 56764 (56764), Dst Port: 80 (80), Seq: 1, Ack: 1, Len: 500

Hypertext Transfer Protocol

GET /assets/hip/us/hip_us_pearsonhighered/images/pearson_logo.gif HTTP/1.1\r\n

Host: www.pearsonhighered.com\r\n

Connection: keep-alive\r\n

Pragma: no-cache\r\n

Cache-Control: no-cache\r\n

Accept: image/webp,*/*;q=0.8\r\n

User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Ubuntu

Chromium/37.0.2062.120 Chrome/37.0.2062.120 Safari/537.36\r\n

Referer: <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html>\r\n

Accept-Encoding: gzip,deflate,sdch\r\n

Accept-Language: en-US,en;q=0.8\r\n

\r\n

[Full request URI:

http://www.pearsonhighered.com/assets/hip/us/hip_us_pearsonhighered/images/pearson_logo.gif]

[HTTP request 1/1]

6 0.352544 192.168.2.9 128.119.240.90 HTTP 525 GET
/~kurose/cover_5th_ed.jpg HTTP/1.1

Frame 6: 525 bytes on wire (4200 bits), 525 bytes captured (4200 bits)

Ethernet II, Src: HonHaiPr_c1:6b:ad (10:08:b1:c1:6b:ad), Dst: BelkinIn_98:a4:90 (ec:1a:59:98:a4:90)

Internet Protocol Version 4, Src: 192.168.2.9 (192.168.2.9), Dst: 128.119.240.90 (128.119.240.90)
Transmission Control Protocol, Src Port: 42888 (42888), Dst Port: 80 (80), Seq: 1, Ack: 1, Len: 459

Hypertext Transfer Protocol

GET /~kurose/cover_5th_ed.jpg HTTP/1.1\r\n

Host: caite.cs.umass.edu\r\n

Connection: keep-alive\r\n

Pragma: no-cache\r\n

Cache-Control: no-cache\r\n

Accept: image/webp,*/*;q=0.8\r\n

User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Ubuntu

Chromium/37.0.2062.120 Chrome/37.0.2062.120 Safari/537.36\r\n

Referer: <http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html>\r\n

Accept-Encoding: gzip,deflate,sdch\r\n

Accept-Language: en-US,en;q=0.8\r\n

\r\n

[Full request URI: http://caite.cs.umass.edu/~kurose/cover_5th_ed.jpg]

[HTTP request 1/1]

Part 5

1 0.000000 192.168.2.9 128.119.245.12 HTTP 534 GET
/wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1

Frame 1: 534 bytes on wire (4272 bits), 534 bytes captured (4272 bits)

Ethernet II, Src: HonHaiPr_c1:6b:ad (10:08:b1:c1:6b:ad), Dst: BelkinIn_98:a4:90 (ec:1a:59:98:a4:90)

Internet Protocol Version 4, Src: 192.168.2.9 (192.168.2.9), Dst: 128.119.245.12 (128.119.245.12)
Transmission Control Protocol, Src Port: 40897 (40897), Dst Port: 80 (80), Seq: 1, Ack: 1, Len: 468

Hypertext Transfer Protocol

GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1\r\n

Host: gaia.cs.umass.edu\r\n

Connection: keep-alive\r\n

Pragma: no-cache\r\n

```

Cache-Control: no-cache\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8\r\n
User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Ubuntu
Chromium/37.0.2062.120 Chrome/37.0.2062.120 Safari/537.36\r\n
Accept-Encoding: gzip,deflate,sdch\r\n
Accept-Language: en-US,en;q=0.8\r\n
\r\n
[Full request URI:
http://gaia.cs.umass.edu/wireshark-labs/protected_pages/HTTP-wireshark-file5.html]
[HTTP request 1/1]
[Response in frame: 2]

```

```

 2 0.014401    128.119.245.12      192.168.2.9      HTTP      785      HTTP/1.1 401
Unauthorized (text/html)

```

```

Frame 2: 785 bytes on wire (6280 bits), 785 bytes captured (6280 bits)
Ethernet II, Src: BelkinIn_98:a4:90 (ec:1a:59:98:a4:90), Dst: HonHaiPr_c1:6b:ad
(10:08:b1:c1:6b:ad)
Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 192.168.2.9 (192.168.2.9)
Transmission Control Protocol, Src Port: 80 (80), Dst Port: 40897 (40897), Seq: 1, Ack: 469,
Len: 719
Hypertext Transfer Protocol
HTTP/1.1 401 Unauthorized\r\n
Date: Tue, 13 Oct 2015 16:11:23 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.1e-fips PHP/5.4.16 mod_perl/2.0.9dev
Perl/v5.16.3\r\n
WWW-Authenticate: Basic realm="wireshark-students only"\r\n
Content-Length: 381\r\n
Keep-Alive: timeout=5, max=100\r\n
Connection: Keep-Alive\r\n
Content-Type: text/html; charset=iso-8859-1\r\n
\r\n
[HTTP response 1/1]
[Time since request: 0.014401000 seconds]
[Request in frame: 1]
Line-based text data: text/html

```

```

 3 34.956193    192.168.2.9      128.119.245.12      HTTP      593      GET
/wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1

```

```

Frame 3: 593 bytes on wire (4744 bits), 593 bytes captured (4744 bits)
Ethernet II, Src: HonHaiPr_c1:6b:ad (10:08:b1:c1:6b:ad), Dst: BelkinIn_98:a4:90
(ec:1a:59:98:a4:90)
Internet Protocol Version 4, Src: 192.168.2.9 (192.168.2.9), Dst: 128.119.245.12 (128.119.245.12)
Transmission Control Protocol, Src Port: 41301 (41301), Dst Port: 80 (80), Seq: 1, Ack: 1, Len:
527
Hypertext Transfer Protocol
GET /wireshark-labs/protected_pages/HTTP-wireshark-file5.html HTTP/1.1\r\n
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
Pragma: no-cache\r\n
Cache-Control: no-cache\r\n
Authorization: Basic d2lyZXNoYXJrLXN0dWRlbnRzOm5ldHdvcms=\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8\r\n
User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Ubuntu
Chromium/37.0.2062.120 Chrome/37.0.2062.120 Safari/537.36\r\n
Accept-Encoding: gzip,deflate,sdch\r\n
Accept-Language: en-US,en;q=0.8\r\n
\r\n
[Full request URI:
http://gaia.cs.umass.edu/wireshark-labs/protected_pages/HTTP-wireshark-file5.html]
[HTTP request 1/1]
[Response in frame: 4]

```

```

 4 34.979177    128.119.245.12      192.168.2.9      HTTP      558      HTTP/1.1 200
OK (text/html)

```

Frame 4: 558 bytes on wire (4464 bits), 558 bytes captured (4464 bits)
Ethernet II, Src: BelkinIn_98:a4:90 (ec:1a:59:98:a4:90), Dst: HonHaiPr_c1:6b:ad
(10:08:b1:c1:6b:ad)
Internet Protocol Version 4, Src: 128.119.245.12 (128.119.245.12), Dst: 192.168.2.9 (192.168.2.9)
Transmission Control Protocol, Src Port: 80 (80), Dst Port: 41301 (41301), Seq: 1, Ack: 528,
Len: 492
Hypertext Transfer Protocol
 HTTP/1.1 200 OK\r\n
 Date: Tue, 13 Oct 2015 16:11:58 GMT\r\n
 Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.1e-fips PHP/5.4.16 mod_perl/2.0.9dev
 Perl/v5.16.3\r\n
 Last-Modified: Tue, 13 Oct 2015 05:59:01 GMT\r\n
 ETag: "84-521f6247d1c55"\r\n
 Accept-Ranges: bytes\r\n
 Content-Length: 132\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 1/1]
 [Time since request: 0.022984000 seconds]
 [Request in frame: 3]
Line-based text data: text/html