

No. Time Source Destination Protocol Length Info  
4 14:04:42.229502 192.168.42.67 128.119.245.12 HTTP 549 GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1

Frame 4: 549 bytes on wire (4392 bits), 549 bytes captured (4392 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: 49824, Dst Port: 80, Seq: 1, Ack: 1, Len: 495  
Hypertext Transfer Protocol  
GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1\r\n  
[Expert Info (Chat/Sequence): GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1\r\n\r\n]  
Request Method: GET  
Request URI: /wireshark-labs/protected\_pages/HTTP-wireshark-file5.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/protected\_pages/HTTP-wireshark-file5.html]  
[HTTP request 1/1]  
[Response in frame: 9]

No. Time Source Destination Protocol Length Info  
9 14:04:42.752565 128.119.245.12 192.168.42.67 HTTP 772 HTTP/1.1 401 Unauthorized (text/html)

Frame 9: 772 bytes on wire (6176 bits), 772 bytes captured (6176 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: 49824, Seq: 1, Ack: 496, Len: 718  
Hypertext Transfer Protocol  
HTTP/1.1 401 Unauthorized\r\n  
[Expert Info (Chat/Sequence): HTTP/1.1 401 Unauthorized\r\n\r\n]  
Response Version: HTTP/1.1  
Status Code: 401  
[Status Code Description: Unauthorized]  
Response Phrase: Unauthorized  
Date: Mon, 01 Apr 2019 05:04:42 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  
WWW-Authenticate: Basic realm="wireshark-students only"\r\n  
Content-Type: text/html; charset=iso-8859-1\r\n  
Cache-Control: proxy-revalidate\r\n  
Content-Length: 381\r\n  
Connection: Keep-Alive\r\n  
\r\n  
[HTTP response 1/1]  
[Time since request: 0.523063000 seconds]  
[Request in frame: 4]  
[Request URI: http://gaia.cs.umass.edu/wireshark-labs/protected\_pages/HTTP-wireshark-file5.html]  
File Data: 381 bytes

Line-based text data: text/html (12 lines)  
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">\n  
<html><head>\n  
<title>401 Unauthorized</title>\n  
</head><body>\n  
<h1>Unauthorized</h1>\n  
<p>This server could not verify that you\nare authorized to access the document\nrequested. Either you supplied the wrong\ncredentials (e.g., bad password), or your\nbrowser doesn't understand how to supply\nthe credentials required.</p>\n  
</body></html>\n

No. Time Source Destination Protocol Length Info  
153 14:04:49.824937 192.168.42.67 128.119.245.12 HTTP 608 GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1

Frame 153: 608 bytes on wire (4864 bits), 608 bytes captured (4864 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: 49835, Dst Port: 80, Seq: 1, Ack: 1, Len: 554  
Hypertext Transfer Protocol  
GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1\r\n  
[Expert Info (Chat/Sequence): GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1\r\n\r\n]  
Request Method: GET  
Request URI: /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html  
Request Version: HTTP/1.1

```
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
Authorization: Basic d2lyZXNoYXJrLXN0dWRlbnRzOm5ldHdvcm5l\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/protected_pages/HTTP-wireshark-file5.html]
[HTTP request 1/1]
[Response in frame: 155]
No.      Time            Source            Destination      Protocol Length Info
 155 14:04:50.350301 128.119.245.12    192.168.42.67    HTTP           553    HTTP/1.1 200 OK (text/
html)
Frame 155: 553 bytes on wire (4424 bits), 553 bytes captured (4424 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: 49835, Seq: 1, Ack: 555, Len: 499
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 05:04:50 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: Mon, 01 Apr 2019 05:04:01 GMT\r\n
  ETag: "84-58570f2e30f9f"\r\n
  Accept-Ranges: bytes\r\n
  Content-Type: text/html; charset=UTF-8\r\n
  Cache-Control: proxy-revalidate\r\n
  Content-Length: 132\r\n
  Connection: Keep-Alive\r\n
  Age: 0\r\n
\r\n
[HTTP response 1/1]
[Time since request: 0.525364000 seconds]
[Request in frame: 153]
[Request URI: http://gaia.cs.umass.edu/wireshark-labs/protected_pages/HTTP-wireshark-file5.html]
File Data: 132 bytes
Line-based text data: text/html (6 lines)
\r\n
<html>\r\n
\r\n
This page is password protected!  If you're seeing this, you've downloaded the page correctly <br>\r\n
Congratulations!\r\n
</html>
```