86 1.979607 192.168.100 128.119.245.12 HTTP 452 GET /wireshark-labs/protected\_pages/HTTP-wireshark- files.html HTTP/1.1

Frame 86: 452 bytes on wire (3616 bits), 452 bytes captured (3616 bits) on interface 0

Hypertext Transfer Protocol

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

Accept: text/html, application/xhtml+xml, image/jxr, \*/\*\r\n

Accept-Language: en-US,en;q=0.7,ko;q=0.3\r\n

User-Agent: Mozilla/.50 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/58.0.3029.110Safari/537.36 Edge/ 16.16299\r\n

Accept-Encoding: gzip, deflate\r\n Host: gaia.cs.umass.edu\r\n Connection: Keep-Alive\r\n

\r\n

90 1.992323 128.119.2.4152 192.168.100 HTTP 771 HTTP/1.1 401 Unauthorized (text/html)

Frame 90: 771 bytes on wire (6168 bits), 771 bytes captured (6168 bits) on interface 0

Hypertext Transfer Protocol

HTTP/1.1 401 Unauthorized\r\n

Date: Thu, 15 Feb 2018 04:22:05 GMT\r\n

Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod\_perl/2.0.10 Perl/vS.16.3\r\n

WWW-Authenticate: Basic realm="wireshark-students only"\r\n

Content-Length: 381\r\n

Keep-Alive: timeout=S, max=100\r\n

Connection: Keep-Alive\r\n

Content-Type: text/html; charset=iso-8859-1\r\n

\r\n

1223 18.479785 192.168.100 128.119.245.12 HTTP 511 GET /wireshark-labs/protected\_pages/HTTP-wireshark- file5.html HTTP/1.1

Frame 1223: 511 bytes on wire (4088 bits), 511 bytes captured (4088 bits) on interface 0

Hypertext Transfer Protocol

GET /wireshark-labs/protected\_pages/HTTP-wireshark-file5.html HTTP/1.1\r\n Accept: text/html, application/xhtml+xml, image/jxr, \*/\*\r\n

Accept-Language: en-US,en;q=0.7,ko;q=0.3\r\n

User-Agent: Mozilla/.50 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/58.0.3029.110Safari/537.36 Edge/ 16.16299\r\n

Accept-Encoding: gzip, deflate\r\n Host: gaia.cs.umass.edu\r\n Connection: Keep-Alive\r\n

Authorization: Basic d2lyZXNoYXJrLXN0dWRlbnRzOm5ldHdvcms=\r\n

\r\n

1225 18.525535 128.119.2.4152 192.168.100 HTTP 544 HTTP/1.1 200 OK (text/html)

Frame 1225: 544 bytes on wire (4352 bits), 544 bytes captured (4352 bits) on interface 0

Hypertext Transfer Protocol

HTTP/1.1 200 OK\r\n

Date: Thu, 15 Feb 2018 04:22:22 GMT\r\n

Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod\_perl/2.0.10 Perl/vS.16.3\r\n

Last-Modified: Wed, 14 Feb 2018 06:59:01 GMT\r\n

ETag: "84-56526a56212fe"\r\n Accept-Ranges: bytes\r\n

Content-Length: 132\r\n

Keep-Alive: timeout=S, max=100\r\n

Connection: Keep-Alive\r\n

Content-Type: text/html; charset=UTF-8\r\n

\r\n