1.1.1

▼ 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

Upgrade-Insecure-Requests: 1\r\n

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_11_2) AppleWebKit/537.36 (KHTML, like ...

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

Accept-Language: en-US, en; q=0.8, zh-CN; q=0.6, zh; q=0.4, zh-TW; q=0.2 \r\n

2. English, Chinese, Taiwanese;

▼ 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

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 (Macintosh; Intel Mac OS X 10_11_2) AppleWebKit/537.36 (KHTML, like ...

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

Accept-Language: en-US, en; q=0.8, zh-CN; q=0.6, zh; q=0.4, zh-TW; q=0.2 \r\n

3

IP address of my laptop computer: 100.65.60.73 IP address of gaia.cs.umass.edu: 128.119.245.12

▶ Internet Protocol Version 4, Src: 100.65.60.73, Dst: 128.119.245.12

- ▶ Transmission Control Protocol, Src Port: 50721 (50721), Dst Port: 80 (80), Seq: 1, Ack: 1, Len:..
- ▼ 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

4. 200 success

- ▶ Frame 84: 86 bytes on wire (688 bits), 86 bytes captured (688 bits) on interface 0
- ▶ Ethernet II, Src: LannerEl_27:0e:b1 (00:90:0b:27:0e:b1), Dst: Apple_b8:45:d1 (ac:bc:32:b8:45:d1)
- ▶ Internet Protocol Version 4, Src: 223.252.199.7, Dst: 100.65.60.73
- ▶ Transmission Control Protocol, Src Port: 80 (80), Dst Port: 50719 (50719), Seq: 2768, Ack: 1458...
- [5 Reassembled TCP Segments (2787 bytes): #78(1012), #79(71), #81(673), #83(1011), #84(20)]

▼ Hypertext Transfer Protocol

► HTTP/1.1 200 OK\r\n

Server: nginx\r\n

Date: Tue, 16 Feb 2016 16:51:12 GMT\r\n
Content-Type: text/plain;charset=UTF-8\r\n

Transfer-Encoding: chunked\r\n
Connection: keep-alive\r\n
Vary: Accept-Encoding\r\n
Cache-Control: no-store\r\n
Pragrma: no-cache\r\n

5. Last-Modified: Tue, 16 Feb 2016 06:59:01 GMT

▼ Hypertext Transfer Protocol

► HTTP/1.1 200 OK\r\n

Date: Tue, 16 Feb 2016 17:12:27 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, 16 Feb 2016 06:59:01 GMT\r\n

ETag: "80-52bddab150ac7"\r\n Accept-Ranges: bytes\r\n ▶ Content-Lenath: 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

6. content-length: 128 Whypertext Transfer Protocol HTTP/1.1 200 OK\r\n Date: Tue, 16 Feb 2016 17:12:27 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, 16 Feb 2016 06:59:01 GMT\r\n ETag: "80-52bddab150ac7" \r Accept-Ranges: bytes \r ► 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: 0.034919000 seconds]

- 7. status code: 401, please: Authorization Required
- 8. The new field is Authorization.