

1)

## 1. Browser: HTTP 1.1 and Server: HTTP 1.1

No.	Time	Source	Destination	Protocol	Length	Info
679	8.047896413	10.100.14.159	128.119.245.12	HTTP	463	GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
704	8.311279720	128.119.245.12	10.100.14.159	HTTP	552	HTTP/1.1 200 OK (text/html)
710	8.369171245	10.100.14.159	128.119.245.12	HTTP	483	GET /favicon.ico HTTP/1.1
725	8.631006664	128.119.245.12	10.100.14.159	HTTP	551	HTTP/1.1 404 Not Found (text/html)

Frame 704: 552 bytes on wire (4416 bits), 552 bytes captured (4416 bits) on interface eno1, id 0  
Ethernet II, Src: AlcatelLucen\_96:c8:01 (78:24:59:96:c8:01), Dst: 88:88:88:88:87:88 (88:88:88:88:87:88)  
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.100.14.159  
Transmission Control Protocol, Src Port: 80, Dst Port: 51464, Seq: 1, Ack: 398, Len: 486  
Hypertext Transfer Protocol  
Line-based text data: text/html (4 lines)

## 2. en-US, en

Ethernet II, Src: 88:88:88:88:87:88 (88:88:88:88:87:88), Dst: AlcatelLucen_96:c8:01 (78:24:59:96:c8:01)
Internet Protocol Version 4, Src: 10.100.14.159, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 51464, Dst Port: 80, Seq: 1, Ack: 1, Len: 397
Hypertext Transfer Protocol
GET /wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1\r\n
Host: gaia.cs.umass.edu\r\n
User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:141.0) Gecko/20100101 Firefox/141.0\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8\r\n
Accept-Language: en-US,en;q=0.5\r\n
Accept-Encoding: gzip, deflate\r\n
Sec-GPC: 1\r\n
Connection: keep-alive\r\n
Upgrade-Insecure-Requests: 1\r\n
Priority: u=0, i\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: 704]

## 3. My computer - 10.100.14.159

Server - 128.119.245.12

## 4. 200 OK

## 5. Tue, 5 August 2025, 05:59:01 GMT

Hypertext Transfer Protocol
HTTP/1.1 200 OK\r\n
Date: Wed, 06 Aug 2025 04:09:04 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod_perl/2.0.11 Perl/v5.16.3\r\n
Last-Modified: Tue, 05 Aug 2025 05:59:01 GMT\r\n
Etag: "80-63b97ebc458e7"\r\n

## 6. 128

Hypertext Transfer Protocol
HTTP/1.1 200 OK\r\n
Date: Wed, 06 Aug 2025 04:09:04 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod_perl/2.0.11 Perl/v5.16.3\r\n
Last-Modified: Tue, 05 Aug 2025 05:59:01 GMT\r\n
Etag: "80-63b97ebc458e7"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 128\r\n
[Content length: 128]

2)

## 1. Source: 10.100.14.159

Destination: 10.3.2.15

Both are private

186	2.229429117	10.100.14.159	10.3.2.15	HTTP	534	GET /joomla/ HTTP/1.1
198	2.361980843	10.3.2.15	10.100.14.159	HTTP	3148	HTTP/1.1 200 OK (text/html)
216	2.426460262	10.100.14.159	10.3.2.15	HTTP	500	GET /joomla/components/com_k2/ HTTP/1.1

2. HTTP 1.1  
200 OK

```
▼ 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
```

3. Wed, 06 August, 2025, 04:31:32 GMT

```
Last-Modified: Wed, 06 Aug 2025 04:31:32 GMT\r\n
```

4.

```
▼ Cookie: _ga_FNBH7GK3Z7=GS2.1.s1754451006$01$g1$t1754451015$j51$l0$h0; _ga=GA1.1.1834475712.1754451006\r\n
  Cookie pair: _ga_FNBH7GK3Z7=GS2.1.s1754451006$01$g1$t1754451015$j51$l0$h0
  Cookie pair: _ga=GA1.1.1834475712.1754451006
  Upgrade-Insecure-Requests: 1\r\n
```

5. text/html,application/xhtml+xml,application/xml

```
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8\r\n
```

3)

1. 185.125.190.48

Public

It needs to be unique as it is public

17103	211.499789542	10.100.14.159	185.125.190.48	HTTP	154 GET / HTTP/1.1
17109	211.636382925	185.125.190.48	10.100.14.159	HTTP	255 HTTP/1.1 204 No Content

2. 204 No content (server did not return any content in its response)

```
▼ Hypertext Transfer Protocol
  ▼ HTTP/1.1 204 No Content\r\n
    ▶ [Expert Info (Chat/Sequence): HTTP/1.1 204 No Content\r\n]
      [HTTP/1.1 204 No Content\r\n]
      [Severity level: Chat]
      [Group: Sequence]
      Response Version: HTTP/1.1
      Status Code: 204
      [Status Code Description: No Content]
      Response Phrase: No Content
```