```
No.     Time                           Source                Destination           Protocol Length Info
     13 2018-10-06 10:18:29.945271    10.173.185.180        128.119.245.12        HTTP     594    GET /wireshark-labs/INTRO-
wireshark-file1.html HTTP/1.1
Frame 13: 594 bytes on wire (4752 bits), 594 bytes captured (4752 bits) on interface 0
    Interface id: 0 (\Device\NPF_{5D52E7A2-EE68-4250-BF9F-5249138CADE6})
        Interface name: \Device\NPF_{5D52E7A2-EE68-4250-BF9F-5249138CADE6}
    Encapsulation type: Ethernet (1)
    Arrival Time: Oct  6, 2018 10:18:29.945271000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1538792309.945271000 seconds
    [Time delta from previous captured frame: 0.001140000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 3.717033000 seconds]
    Frame Number: 13
    Frame Length: 594 bytes (4752 bits)
    Capture Length: 594 bytes (4752 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:pppoes:ppp:ip:tcp:http]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: AsustekC_e2:8a:f0 (34:97:f6:e2:8a:f0), Dst: HuaweiTe_3e:8f:cf (94:db:da:3e:8f:cf)
    Destination: HuaweiTe_3e:8f:cf (94:db:da:3e:8f:cf)
        Address: HuaweiTe_3e:8f:cf (94:db:da:3e:8f:cf)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: AsustekC_e2:8a:f0 (34:97:f6:e2:8a:f0)
        Address: AsustekC_e2:8a:f0 (34:97:f6:e2:8a:f0)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: PPPoE Session (0x8864)
PPP-over-Ethernet Session
    0001 .... = Version: 1
    .... 0001 = Type: 1
    Code: Session Data (0x00)
    Session ID: 0x5165
    Payload Length: 574
Point-to-Point Protocol
    Protocol: Internet Protocol version 4 (0x0021)
Internet Protocol Version 4, Src: 10.173.185.180, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 572
    Identification: 0x024d (589)
    Flags: 0x4000, Don't fragment
        0... .... .... .... = Reserved bit: Not set
        .1.. .... .... .... = Don't fragment: Set
        ..0. .... .... .... = More fragments: Not set
        ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 64
    Protocol: TCP (6)
    Header checksum: 0xfc89 [validation disabled]
    [Header checksum status: Unverified]
    Source: 10.173.185.180
    Destination: 128.119.245.12
Transmission Control Protocol, Src Port: 1313, Dst Port: 80, Seq: 1, Ack: 1, Len: 532
    Source Port: 1313
    Destination Port: 80
    [Stream index: 2]
    [TCP Segment Len: 532]
    Sequence number: 1    (relative sequence number)
    [Next sequence number: 533    (relative sequence number)]
    Acknowledgment number: 1    (relative ack number)
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Nonce: Not set
        .... 0... .... = Congestion Window Reduced (CWR): Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
```

```
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window size value: 258
    [Calculated window size: 66048]
    [Window size scaling factor: 256]
    Checksum: 0xc96c [unverified]
    [Checksum Status: Unverified]
    Urgent pointer: 0
    [SEQ/ACK analysis]
        [iRTT: 0.264355000 seconds]
        [Bytes in flight: 532]
        [Bytes sent since last PSH flag: 532]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.265495000 seconds]
        [Time since previous frame in this TCP stream: 0.001140000 seconds]
    TCP payload (532 bytes)
Hypertext Transfer Protocol
    GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n]
            [GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n]
            [Severity level: Chat]
            [Group: Sequence]
        Request Method: GET
        Request URI: /wireshark-labs/INTRO-wireshark-file1.html
        Request Version: HTTP/1.1
    Host: gaia.cs.umass.edu\r\n
    User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:62.0) Gecko/20100101 Firefox/62.0\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8\r\n
    Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2\r\n
    Accept-Encoding: gzip, deflate\r\n
    DNT: 1\r\n
    Connection: keep-alive\r\n
    Upgrade-Insecure-Requests: 1\r\n
    If-Modified-Since: Fri, 05 Oct 2018 05:59:01 GMT\r\n
    If-None-Match: "51-57774f7d96258"\r\n
    Cache-Control: max-age=0\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
    [HTTP request 1/1]
    [Response in frame: 17]
No.     Time                           Source                Destination           Protocol Length Info
     17 2018-10-06 10:18:30.214796    128.119.245.12        10.173.185.180        HTTP     301    HTTP/1.1 304 Not Modified
Frame 17: 301 bytes on wire (2408 bits), 301 bytes captured (2408 bits) on interface 0
    Interface id: 0 (\Device\NPF_{5D52E7A2-EE68-4250-BF9F-5249138CADE6})
        Interface name: \Device\NPF_{5D52E7A2-EE68-4250-BF9F-5249138CADE6}
    Encapsulation type: Ethernet (1)
    Arrival Time: Oct  6, 2018 10:18:30.214796000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1538792310.214796000 seconds
    [Time delta from previous captured frame: 0.000351000 seconds]
    [Time delta from previous displayed frame: 0.269525000 seconds]
    [Time since reference or first frame: 3.986558000 seconds]
    Frame Number: 17
    Frame Length: 301 bytes (2408 bits)
    Capture Length: 301 bytes (2408 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:pppoes:ppp:ip:tcp:http]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: HuaweiTe_3e:8f:cf (94:db:da:3e:8f:cf), Dst: AsustekC_e2:8a:f0 (34:97:f6:e2:8a:f0)
    Destination: AsustekC_e2:8a:f0 (34:97:f6:e2:8a:f0)
        Address: AsustekC_e2:8a:f0 (34:97:f6:e2:8a:f0)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: HuaweiTe_3e:8f:cf (94:db:da:3e:8f:cf)
        Address: HuaweiTe_3e:8f:cf (94:db:da:3e:8f:cf)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: PPPoE Session (0x8864)
PPP-over-Ethernet Session
    0001 .... = Version: 1
    .... 0001 = Type: 1
    Code: Session Data (0x00)
    Session ID: 0x5165
    Payload Length: 281
Point-to-Point Protocol
```

```
    Protocol: Internet Protocol version 4 (0x0021)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.173.185.180
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 279
    Identification: 0x46e1 (18145)
    Flags: 0x4000, Don't fragment
        0... .... .... .... = Reserved bit: Not set
        .1.. .... .... .... = Don't fragment: Set
        ..0. .... .... .... = More fragments: Not set
        ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 43
    Protocol: TCP (6)
    Header checksum: 0xce1a [validation disabled]
    [Header checksum status: Unverified]
    Source: 128.119.245.12
    Destination: 10.173.185.180
Transmission Control Protocol, Src Port: 80, Dst Port: 1313, Seq: 1, Ack: 533, Len: 239
    Source Port: 80
    Destination Port: 1313
    [Stream index: 2]
    [TCP Segment Len: 239]
    Sequence number: 1    (relative sequence number)
    [Next sequence number: 240    (relative sequence number)]
    Acknowledgment number: 533    (relative ack number)
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Nonce: Not set
        .... 0... .... = Congestion Window Reduced (CWR): Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·······AP···]
    Window size value: 237
    [Calculated window size: 30336]
    [Window size scaling factor: 128]
    Checksum: 0x0188 [unverified]
    [Checksum Status: Unverified]
    Urgent pointer: 0
    [SEQ/ACK analysis]
        [iRTT: 0.264355000 seconds]
        [Bytes in flight: 239]
        [Bytes sent since last PSH flag: 239]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.535020000 seconds]
        [Time since previous frame in this TCP stream: 0.000351000 seconds]
    TCP payload (239 bytes)
Hypertext Transfer Protocol
    HTTP/1.1 304 Not Modified\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 304 Not Modified\r\n]
            [HTTP/1.1 304 Not Modified\r\n]
            [Severity level: Chat]
            [Group: Sequence]
        Response Version: HTTP/1.1
        Status Code: 304
        [Status Code Description: Not Modified]
        Response Phrase: Not Modified
    Date: Sat, 06 Oct 2018 02:18:31 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
    Connection: Keep-Alive\r\n
    Keep-Alive: timeout=5, max=100\r\n
    ETag: "51-57774f7d96258"\r\n
    \r\n
    [HTTP response 1/1]
    [Time since request: 0.269525000 seconds]
    [Request in frame: 13]
```