```
No.    Time              Source            Destination        Protocol Length Destination Port Source
Port Info
   122 12:09:23.177488    114.214.230.110    gaia.cs.umass.edu  HTTP     617    80               56089
GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
Frame 122: 617 bytes on wire (4936 bits), 617 bytes captured (4936 bits) on interface
\Device\NPF_{204968AF-21B0-4BED-BD0A-DB877B78468B}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{204968AF-21B0-4BED-BD0A-DB877B78468B})
        Interface name: \Device\NPF_{204968AF-21B0-4BED-BD0A-DB877B78468B}
        Interface description: 以太网 2
    Encapsulation type: Ethernet (1)
    Arrival Time: Sep 19, 2025 12:09:23.177488000 中国标准时间
    UTC Arrival Time: Sep 19, 2025 04:09:23.177488000 UTC
    Epoch Arrival Time: 1758254963.177488000
    [Time shift for this packet: 0.000000000 seconds]
    [Time delta from previous captured frame: 0.007344000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 9.665411000 seconds]
    Frame Number: 122
    Frame Length: 617 bytes (4936 bits)
    Capture Length: 617 bytes (4936 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:http]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: UgreenGroup_07:4a:9d (6c:1f:f7:07:4a:9d), Dst: HuaweiTechno_8a:5d:45 (c8:33:e5:8a:5d:45)
    Destination: HuaweiTechno_8a:5d:45 (c8:33:e5:8a:5d:45)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: UgreenGroup_07:4a:9d (6c:1f:f7:07:4a:9d)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    [Stream index: 1]
Internet Protocol Version 4, Src: 114.214.230.110 (114.214.230.110), Dst: gaia.cs.umass.edu (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: 603
    Identification: 0x1af1 (6897)
    010. .... = Flags: 0x2, 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: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 114.214.230.110 (114.214.230.110)
    Destination Address: gaia.cs.umass.edu (128.119.245.12)
    [Stream index: 7]
Transmission Control Protocol, Src Port: 56089, Dst Port: 80, Seq: 1, Ack: 1, Len: 563
    Source Port: 56089
    Destination Port: 80
    [Stream index: 12]
    [Stream Packet Number: 1]
    [Conversation completeness: Incomplete (12)]
        ..0. .... = RST: Absent
        ...0 .... = FIN: Absent
        .... 1... = Data: Present
        .... .1.. = ACK: Present
        .... ..0. = SYN-ACK: Absent
        .... ...0 = SYN: Absent
        [Completeness Flags: ··DA··]
    [TCP Segment Len: 563]
    Sequence Number: 1      (relative sequence number)
    Sequence Number (raw): 2506257135
    [Next Sequence Number: 564      (relative sequence number)]
```

```
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 671920973
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: 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: 255
    [Calculated window size: 255]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xd116 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 563]
        [Bytes sent since last PSH flag: 563]
    TCP payload (563 bytes)
Hypertext Transfer Protocol
    GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n
        Request Method: GET
        Request URI: /wireshark-labs/INTRO-wireshark-file1.html
        Request Version: HTTP/1.1
    Host: gaia.cs.umass.edu\r\n
    Connection: keep-alive\r\n
    Pragma: no-cache\r\n
    Cache-Control: no-cache\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/140.0.0.0
Safari/537.36 Edg/140.0.0.0\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/
*;q=0.8,application/signed-exchange;v=b3;q=0.7\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: zh-CN,zh;q=0.9,en;q=0.8,en-GB;q=0.7,en-US;q=0.6\r\n
    \r\n
    [Response in frame: 127]
    [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
```

No.	Time	Source	Destination	Protocol	Length	Destination Port	Source Port	Info
127	12:09:23.423644	gaia.cs.umass.edu	114.214.230.110	HTTP	492	56089	80	HTTP/1.1 200 OK (text/html)

```
Frame 127: 492 bytes on wire (3936 bits), 492 bytes captured (3936 bits) on interface
\Device\NPF_{204968AF-21B0-4BED-BD0A-DB877B78468B}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{204968AF-21B0-4BED-BD0A-DB877B78468B})
        Interface name: \Device\NPF_{204968AF-21B0-4BED-BD0A-DB877B78468B}
        Interface description: 以太网 2
    Encapsulation type: Ethernet (1)
    Arrival Time: Sep 19, 2025 12:09:23.423644000 中国标准时间
    UTC Arrival Time: Sep 19, 2025 04:09:23.423644000 UTC
    Epoch Arrival Time: 1758254963.423644000
    [Time shift for this packet: 0.000000000 seconds]
    [Time delta from previous captured frame: 0.000286000 seconds]
    [Time delta from previous displayed frame: 0.246156000 seconds]
    [Time since reference or first frame: 9.911567000 seconds]
    Frame Number: 127
    Frame Length: 492 bytes (3936 bits)
    Capture Length: 492 bytes (3936 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:http:data-text-lines]
    [Coloring Rule Name: HTTP]
```

```
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: HuaweiTechno_8a:5d:45 (c8:33:e5:8a:5d:45), Dst: UgreenGroup_07:4a:9d (6c:1f:f7:07:4a:9d)
    Destination: UgreenGroup_07:4a:9d (6c:1f:f7:07:4a:9d)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: HuaweiTechno_8a:5d:45 (c8:33:e5:8a:5d:45)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    [Stream index: 1]
Internet Protocol Version 4, Src: gaia.cs.umass.edu (128.119.245.12), Dst: 114.214.230.110 (114.214.230.110)
    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: 478
    Identification: 0xd4c4 (54468)
    010. .... = Flags: 0x2, 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: 36
    Protocol: TCP (6)
    Header Checksum: 0xb18c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: gaia.cs.umass.edu (128.119.245.12)
    Destination Address: 114.214.230.110 (114.214.230.110)
    [Stream index: 7]
Transmission Control Protocol, Src Port: 80, Dst Port: 56089, Seq: 1, Ack: 564, Len: 438
    Source Port: 80
    Destination Port: 56089
    [Stream index: 12]
    [Stream Packet Number: 3]
    [Conversation completeness: Incomplete (12)]
        ..0. .... = RST: Absent
        ...0 .... = FIN: Absent
        .... 1... = Data: Present
        .... .1.. = ACK: Present
        .... ..0. = SYN-ACK: Absent
        .... ...0 = SYN: Absent
        [Completeness Flags: ··DA··]
    [TCP Segment Len: 438]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 671920973
    [Next Sequence Number: 439    (relative sequence number)]
    Acknowledgment Number: 564    (relative ack number)
    Acknowledgment number (raw): 2506257698
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: 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: 237
    [Calculated window size: 237]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8ba9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.246156000 seconds]
        [Time since previous frame in this TCP stream: 0.000286000 seconds]
    [SEQ/ACK analysis]
```

```
        [Bytes in flight: 438]
        [Bytes sent since last PSH flag: 438]
    TCP payload (438 bytes)
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Date: Fri, 19 Sep 2025 04:09:24 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: Thu, 18 Sep 2025 05:59:01 GMT\r\n
    ETag: "51-63f0d0cc9a37f"\r\n
    Accept-Ranges: bytes\r\n
    Content-Length: 81\r\n
        [Content length: 81]
    Keep-Alive: timeout=5, max=100\r\n
    Connection: Keep-Alive\r\n
    Content-Type: text/html; charset=UTF-8\r\n
    \r\n
    [Request in frame: 122]
    [Time since request: 0.246156000 seconds]
    [Request URI: /wireshark-labs/INTRO-wireshark-file1.html]
    [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
    File Data: 81 bytes
Line-based text data: text/html (3 lines)
    <html>\n
    Congratulations!  You've downloaded the first Wireshark lab file!\n
    </html>\n
```