

1. SSDP, UDP, TCP, STP, ARP, DNS, HTTP, QUIC, MDNS
2. 0.280351 seconds
- 3.1 128.119.245.12 (Internet address of the gaia.cs.umass.edu)
- 3.2 192.168.72.133 (Internet address of your computer)
4. User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/128.0.0.0 Safari/537.36\r\n
5. Destination Port: 80

6.

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No.      Time      Source      Destination      Protocol Length Info
26 2024-09-19 12:45:12.578566 192.168.72.133 128.119.245.12 HTTP 612 GET /wireshark-labs/INTRO-wireshark-
file1.html HTTP/1.1
Frame 26: 612 bytes on wire (4896 bits), 612 bytes captured (4896 bits) on interface \Device\NPF_{62C19989-78D0-4DB2-A5B6-3FCD3C043822},
id 0
  Section number: 1
  Interface id: 0 (\Device\NPF_{62C19989-78D0-4DB2-A5B6-3FCD3C043822})
  Encapsulation type: Ethernet (1)
  Arrival Time: Sep 19, 2024 12:45:12.578566000 SE Asia Standard Time
  UTC Arrival Time: Sep 19, 2024 05:45:12.578566000 UTC
  Epoch Arrival Time: 1726724712.578566000
  [Time shift for this packet: 0.000000000 seconds]
  [Time delta from previous captured frame: 0.000532000 seconds]
  [Time delta from previous displayed frame: 0.000000000 seconds]
  [Time since reference or first frame: 2.940096000 seconds]
  Frame Number: 26
  Frame Length: 612 bytes (4896 bits)
  Capture Length: 612 bytes (4896 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: LiteOnNetwor_3f:cd:8d (e0:be:03:3f:cd:8d), Dst: TPLink_47:3f:f0 (1c:61:b4:47:3f:f0)
  Destination: TPLink_47:3f:f0 (1c:61:b4:47:3f:f0)
  Source: LiteOnNetwor_3f:cd:8d (e0:be:03:3f:cd:8d)
  Type: IPv4 (0x0800)
  [Stream index: 6]
Internet Protocol Version 4, Src: 192.168.72.133, Dst: 128.119.245.12
  0100 .... = Version: 4
  ... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 598
  Identification: 0x0707 (1799)
  010. .... = Flags: 0x2, Don't fragment
  ...0 0000 0000 0000 = Fragment Offset: 0
  Time to Live: 128
  Protocol: TCP (6)
  Header Checksum: 0x72e9 [validation disabled]
  [Header checksum status: Unverified]
  Source Address: 192.168.72.133
  Destination Address: 128.119.245.12
  [Stream index: 8]
Transmission Control Protocol, Src Port: 63344, Dst Port: 80, Seq: 1, Ack: 1, Len: 558
  Source Port: 63344
  Destination Port: 80
  [Stream index: 1]
  [Stream Packet Number: 4]
  [Conversation completeness: Incomplete, DATA (15)]
  [TCP Segment Len: 558]
  Sequence Number: 1 (relative sequence number)
  Sequence Number (raw): 1802921043
  [Next Sequence Number: 559 (relative sequence number)]
  Acknowledgment Number: 1 (relative ack number)
  Acknowledgment number (raw): 3965731971
  0101 .... = Header Length: 20 bytes (5)
  Flags: 0x018 (PSH, ACK)
  Window: 1025
  [Calculated window size: 262400]
  [Window size scaling factor: 256]
  Checksum: 0xc171 [unverified]
  [Checksum Status: Unverified]
  Urgent Pointer: 0
  [Timestamps]
  [SEQ/ACK analysis]
  TCP payload (558 bytes)
Hypertext Transfer Protocol
  GET /wireshark-labs/INTRO-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 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/128.0.0.0 Safari/537.36\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: en-US,en;q=0.9\r\n
  If-None-Match: "51-622725701635a"\r\n
  If-Modified-Since: Thu, 19 Sep 2024 05:39:01 GMT\r\n
  \r\n
  [Response in frame: 33]
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[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
No.    Time                Source                Destination           Protocol Length Info
 33 2024-09-19 12:45:12.858917 128.119.245.12      192.168.72.133      HTTP      492      HTTP/1.1 200 OK (text/html)
Frame 33: 492 bytes on wire (3936 bits), 492 bytes captured (3936 bits) on interface \Device\NPF_{62C19989-78D0-4DB2-A5B6-3FCD3C043822}, id 0
  Section number: 1
  Interface id: 0 (\Device\NPF_{62C19989-78D0-4DB2-A5B6-3FCD3C043822})
  Encapsulation type: Ethernet (1)
  Arrival Time: Sep 19, 2024 12:45:12.858917000 SE Asia Standard Time
  UTC Arrival Time: Sep 19, 2024 05:45:12.858917000 UTC
  Epoch Arrival Time: 1726724712.858917000
  [Time shift for this packet: 0.000000000 seconds]
  [Time delta from previous captured frame: 0.001328000 seconds]
  [Time delta from previous displayed frame: 0.280351000 seconds]
  [Time since reference or first frame: 3.220447000 seconds]
  Frame Number: 33
  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: TPLink_47:3f:f0 (1c:61:b4:47:3f:f0), Dst: LiteOnNetwor_3f:cd:8d (e0:be:03:3f:cd:8d)
  Destination: LiteOnNetwor_3f:cd:8d (e0:be:03:3f:cd:8d)
  Source: TPLink_47:3f:f0 (1c:61:b4:47:3f:f0)
  Type: IPv4 (0x0800)
  [Stream index: 6]
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.72.133
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 478
  Identification: 0x2f1a (12058)
  010. .... = Flags: 0x2, Don't fragment
  ...0 0000 0000 0000 = Fragment Offset: 0
  Time to Live: 38
  Protocol: TCP (6)
  Header Checksum: 0xa54e [validation disabled]
  [Header checksum status: Unverified]
  Source Address: 128.119.245.12
  Destination Address: 192.168.72.133
  [Stream index: 8]
Transmission Control Protocol, Src Port: 80, Dst Port: 63344, Seq: 1, Ack: 559, Len: 438
  Source Port: 80
  Destination Port: 63344
  [Stream index: 1]
  [Stream Packet Number: 6]
  [Conversation completeness: Incomplete, DATA (15)]
  [TCP Segment Len: 438]
  Sequence Number: 1 (relative sequence number)
  Sequence Number (raw): 3965731971
  [Next Sequence Number: 439 (relative sequence number)]
  Acknowledgment Number: 559 (relative ack number)
  Acknowledgment number (raw): 1802921601
  0101 .... = Header Length: 20 bytes (5)
  Flags: 0x018 (PSH, ACK)
  Window: 237
  [Calculated window size: 30336]
  [Window size scaling factor: 128]
  Checksum: 0xa290 [unverified]
  [Checksum Status: Unverified]
  Urgent Pointer: 0
  [Timestamps]
  [SEQ/ACK analysis]
  TCP payload (438 bytes)
Hypertext Transfer Protocol
  HTTP/1.1 200 OK\r\n
  Date: Thu, 19 Sep 2024 05:45:13 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, 19 Sep 2024 05:45:02 GMT\r\n
  ETag: "51-622726c83dbbf"\r\n
  Accept-Ranges: bytes\r\n
  Content-Length: 81\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
  [Request in frame: 26]
  [Time since request: 0.280351000 seconds]
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[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)