

No.	Time	Source	Destination	Protocol	Length	Info
2955	12.033640	192.168.88.236	128.119.245.12	HTTP	534	GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1
Frame 2955: 534 bytes on wire (4272 bits), 534 bytes captured (4272 bits) on interface \Device\NPF_{2E82360E-7527-4C7F-8D52-B6EC2879C24D}, id 0						
Ethernet II, Src: CloudNet_21:54:15 (0c:96:e6:21:54:15), Dst: Routerbo_45:e9:ba (74:4d:28:45:e9:ba)						
Internet Protocol Version 4, Src: 192.168.88.236, Dst: 128.119.245.12						
Transmission Control Protocol, Src Port: 53912, Dst Port: 80, Seq: 1, Ack: 1, Len: 480						
Source Port: 53912						
Destination Port: 80						
[Stream index: 26]						
[TCP Segment Len: 480]						
Sequence number: 1 (relative sequence number)						
Sequence number (raw): 4087411892						
[Next sequence number: 481 (relative sequence number)]						
Acknowledgment number: 1 (relative ack number)						
Acknowledgment number (raw): 891334759						
0101 = Header Length: 20 bytes (5)						
Flags: 0x018 (PSH, ACK)						
Window size value: 513						
[Calculated window size: 131328]						
[Window size scaling factor: 256]						
Checksum: 0x2e16 [unverified]						
[Checksum Status: Unverified]						
Urgent pointer: 0						
[SEQ/ACK analysis]						
[Timestamps]						
TCP payload (480 bytes)						
Hypertext Transfer Protocol						
GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1\r\n						
[Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file4.html HTTP/1.1\r\n]						
Request Method: GET						
Request URI: /wireshark-labs/HTTP-wireshark-file4.html						
Request Version: HTTP/1.1						
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/83.0.4103.97 Safari/537.36 Edg/83.0.478.45\r\n						
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9\r\n						
Accept-Encoding: gzip, deflate\r\n						
Accept-Language: en-US,en;q=0.9\r\n						
\r\n						
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html]						
[HTTP request 1/3]						
[Response in frame: 3257]						
[Next request in frame: 3295]						
No.	Time	Source	Destination	Protocol	Length	Info
3257	12.159814	128.119.245.12	192.168.88.236	HTTP	1126	HTTP/1.1 200 OK (text/html)
Frame 3257: 1126 bytes on wire (9008 bits), 1126 bytes captured (9008 bits) on interface \Device\NPF_{2E82360E-7527-4C7F-8D52-B6EC2879C24D}, id 0						
Ethernet II, Src: Routerbo_45:e9:ba (74:4d:28:45:e9:ba), Dst: CloudNet_21:54:15 (0c:96:e6:21:54:15)						
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.88.236						
Transmission Control Protocol, Src Port: 80, Dst Port: 53912, Seq: 1, Ack: 481, Len: 1072						
Source Port: 80						
Destination Port: 53912						
[Stream index: 26]						
[TCP Segment Len: 1072]						
Sequence number: 1 (relative sequence number)						
Sequence number (raw): 891334759						
[Next sequence number: 1073 (relative sequence number)]						
Acknowledgment number: 481 (relative ack number)						
Acknowledgment number (raw): 4087412372						
0101 = Header Length: 20 bytes (5)						
Flags: 0x018 (PSH, ACK)						
Window size value: 237						
[Calculated window size: 30336]						
[Window size scaling factor: 128]						
Checksum: 0x9dfd [unverified]						
[Checksum Status: Unverified]						
Urgent pointer: 0						
[SEQ/ACK analysis]						
[Timestamps]						
TCP payload (1072 bytes)						

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
Date: Sat, 13 Jun 2020 13:55:43 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.6 mod_perl/2.0.11 Perl/v5.16.3\r\n
Last-Modified: Sat, 13 Jun 2020 05:59:03 GMT\r\n
ETag: "2ca-5a7f0e4061d09"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 714\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 1/3]
[Time since request: 0.126174000 seconds]
[Request in frame: 2955]
[Next request in frame: 3295]
[Next response in frame: 3503]
[Request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html]
File Data: 714 bytes

Line-based text data: text/html (17 lines)

No.	Time	Source	Destination	Protocol	Length	Info
3295	12.199508	192.168.88.236	128.119.245.12	HTTP	466	GET /pearson.png HTTP/1.1

Frame 3295: 466 bytes on wire (3728 bits), 466 bytes captured (3728 bits) on interface \Device\NPF_{2E82360E-7527-4C7F-8D52-B6EC2879C24D}, id 0
Ethernet II, Src: CloudNet_21:54:15 (0c:96:e6:21:54:15), Dst: Routerbo_45:e9:ba (74:4d:28:45:e9:ba)
Internet Protocol Version 4, Src: 192.168.88.236, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 53912, Dst Port: 80, Seq: 481, Ack: 1073, Len: 412
Source Port: 53912
Destination Port: 80
[Stream index: 26]
[TCP Segment Len: 412]
Sequence number: 481 (relative sequence number)
Sequence number (raw): 4087412372
[Next sequence number: 893 (relative sequence number)]
Acknowledgment number: 1073 (relative ack number)
Acknowledgment number (raw): 891335831
0101 = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window size value: 509
[Calculated window size: 130304]
[Window size scaling factor: 256]
Checksum: 0x07e0 [unverified]
[Checksum Status: Unverified]
Urgent pointer: 0
[SEQ/ACK analysis]
[Timestamps]
TCP payload (412 bytes)

Hypertext Transfer Protocol

GET /pearson.png HTTP/1.1\r\n
[Expert Info (Chat/Sequence): GET /pearson.png HTTP/1.1\r\n]
Request Method: GET
Request URI: /pearson.png
Request Version: HTTP/1.1
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/83.0.4103.97 Safari/537.36 Edg/83.0.478.45\r\n
Accept: image/webp,image/apng,image/*,*/*;q=0.8\r\n
Referer: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: en-US,en;q=0.9\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/pearson.png]
[HTTP request 2/3]
[Prev request in frame: 2955]
[Response in frame: 3503]
[Next request in frame: 3629]

No.	Time	Source	Destination	Protocol	Length	Info
3503	12.324910	128.119.245.12	192.168.88.236	HTTP	744	HTTP/1.1 200 OK (PNG)

Frame 3503: 744 bytes on wire (5952 bits), 744 bytes captured (5952 bits) on interface \Device\NPF_{2E82360E-7527-4C7F-8D52-B6EC2879C24D}, id 0
Ethernet II, Src: Routerbo_45:e9:ba (74:4d:28:45:e9:ba), Dst: CloudNet_21:54:15 (0c:96:e6:21:54:15)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.88.236
Transmission Control Protocol, Src Port: 80, Dst Port: 53912, Seq: 3993, Ack: 893, Len: 690
Source Port: 80
Destination Port: 53912
[Stream index: 26]
[TCP Segment Len: 690]
Sequence number: 3993 (relative sequence number)
Sequence number (raw): 891338751
[Next sequence number: 4683 (relative sequence number)]
Acknowledgment number: 893 (relative ack number)
Acknowledgment number (raw): 4087412784
0101 = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window size value: 245
[Calculated window size: 31360]
[Window size scaling factor: 128]
Checksum: 0x06ea [unverified]
[Checksum Status: Unverified]
Urgent pointer: 0
[SEQ/ACK analysis]
[Timestamps]
TCP payload (690 bytes)
TCP segment data (690 bytes)
[3 Reassembled TCP Segments (3610 bytes): #3500(1460), #3501(1460), #3503(690)]
[Frame: 3500, payload: 0-1459 (1460 bytes)]
[Frame: 3501, payload: 1460-2919 (1460 bytes)]
[Frame: 3503, payload: 2920-3609 (690 bytes)]
[Segment count: 3]
[Reassembled TCP length: 3610]
[Reassembled TCP Data: 485454502f312e3120323030204f4b0d0a446174653a2053...]
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
Date: Sat, 13 Jun 2020 13:55:43 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.6 mod_perl/2.0.11 Perl/v5.16.3\r\n
Last-Modified: Sat, 06 Aug 2016 10:08:14 GMT\r\n
ETag: "cc3-539645c7f1ee7"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 3267\r\n
Keep-Alive: timeout=5, max=99\r\n
Connection: Keep-Alive\r\n
Content-Type: image/png\r\n
\r\n
[HTTP response 2/3]
[Time since request: 0.125402000 seconds]
[Prev request in frame: 2955]
[Prev response in frame: 3257]
[Request in frame: 3295]
[Next request in frame: 3629]
[Next response in frame: 3630]
[Request URI: http://gaia.cs.umass.edu/pearson.png]
File Data: 3267 bytes
Portable Network Graphics

No.	Time	Source	Destination	Protocol	Length	Info
3538	12.591631	192.168.88.236	128.119.245.12	HTTP	480	GET /~kurose/cover_5th_ed.jpg HTTP/1.1

Frame 3538: 480 bytes on wire (3840 bits), 480 bytes captured (3840 bits) on interface \Device\NPF_{2E82360E-7527-4C7F-8D52-B6EC2879C24D}, id 0
Ethernet II, Src: CloudNet_21:54:15 (0c:96:e6:21:54:15), Dst: Routerbo_45:e9:ba (74:4d:28:45:e9:ba)
Internet Protocol Version 4, Src: 192.168.88.236, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 53916, Dst Port: 80, Seq: 1, Ack: 1, Len: 426
Source Port: 53916
Destination Port: 80
[Stream index: 30]
[TCP Segment Len: 426]
Sequence number: 1 (relative sequence number)
Sequence number (raw): 4246772205
[Next sequence number: 427 (relative sequence number)]
Acknowledgment number: 1 (relative ack number)

```
Acknowledgment number (raw): 538688073
0101 .... = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window size value: 513
[Calculated window size: 131328]
[Window size scaling factor: 256]
Checksum: 0x4be6 [unverified]
[Checksum Status: Unverified]
Urgent pointer: 0
[SEQ/ACK analysis]
[Timestamps]
TCP payload (426 bytes)
Hypertext Transfer Protocol
GET /~kurose/cover_5th_ed.jpg HTTP/1.1\r\n
[Expert Info (Chat/Sequence): GET /~kurose/cover_5th_ed.jpg HTTP/1.1\r\n]
Request Method: GET
Request URI: /~kurose/cover_5th_ed.jpg
Request Version: HTTP/1.1
Host: manic.cs.umass.edu\r\n
Connection: keep-alive\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/83.0.4103.97 Safari/537.36 Edg/83.0.478.45\r\n
Accept: image/webp,image/apng,image/*,*/*;q=0.8\r\n
Referer: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file4.html\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: en-US,en;q=0.9\r\n
\r\n
[Full request URI: http://manic.cs.umass.edu/~kurose/cover_5th_ed.jpg]
[HTTP request 1/1]
[Response in frame: 3627]
No.      Time      Source      Destination      Protocol Length Info
3627 13.051668 128.119.245.12 192.168.88.236 HTTP 631 HTTP/1.1 200 OK (JPEG JFIF image)
Frame 3627: 631 bytes on wire (5048 bits), 631 bytes captured (5048 bits) on interface \Device\NPF_{2E82360E-7527-4C7F-8D52-B6EC2879C24D}, id 0
Ethernet II, Src: Routerbo_45:e9:ba (74:4d:28:45:e9:ba), Dst: CloudNet_21:54:15 (0c:96:e6:21:54:15)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.88.236
Transmission Control Protocol, Src Port: 80, Dst Port: 53916, Seq: 100741, Ack: 427, Len: 577
Source Port: 80
Destination Port: 53916
[Stream index: 30]
[TCP Segment Len: 577]
Sequence number: 100741 (relative sequence number)
Sequence number (raw): 538788813
[Next sequence number: 101318 (relative sequence number)]
Acknowledgment number: 427 (relative ack number)
Acknowledgment number (raw): 4246772631
0101 .... = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window size value: 237
[Calculated window size: 30336]
[Window size scaling factor: 128]
Checksum: 0x86d8 [unverified]
[Checksum Status: Unverified]
Urgent pointer: 0
[SEQ/ACK analysis]
[Timestamps]
TCP payload (577 bytes)
TCP segment data (577 bytes)
[70 Reassembled TCP Segments (101317 bytes): #3542(1460), #3543(1460), #3545(1460), #3546(1460), #3547(1460), #3549(1460), #3550(1460), #3552(1460), #3553(1460), #3554(1460), #3556(1460), #3557(1460), #3559(1460), #3560(1460), #3562(1460), ]
[Frame: 3542, payload: 0-1459 (1460 bytes)]
[Frame: 3543, payload: 1460-2919 (1460 bytes)]
[Frame: 3545, payload: 2920-4379 (1460 bytes)]
[Frame: 3546, payload: 4380-5839 (1460 bytes)]
[Frame: 3547, payload: 5840-7299 (1460 bytes)]
[Frame: 3549, payload: 7300-8759 (1460 bytes)]
[Frame: 3550, payload: 8760-10219 (1460 bytes)]
[Frame: 3552, payload: 10220-11679 (1460 bytes)]
[Frame: 3553, payload: 11680-13139 (1460 bytes)]
[Frame: 3554, payload: 13140-14599 (1460 bytes)]
[Frame: 3556, payload: 14600-16059 (1460 bytes)]
[Frame: 3557, payload: 16060-17519 (1460 bytes)]
[Frame: 3559, payload: 17520-18979 (1460 bytes)]
[Frame: 3560, payload: 18980-20439 (1460 bytes)]
[Frame: 3562, payload: 20440-21899 (1460 bytes)]
```

```
[Frame: 3563, payload: 21900-23359 (1460 bytes)]
[Frame: 3564, payload: 23360-24819 (1460 bytes)]
[Frame: 3566, payload: 24820-26279 (1460 bytes)]
[Frame: 3567, payload: 26280-27739 (1460 bytes)]
[Frame: 3568, payload: 27740-29199 (1460 bytes)]
[Frame: 3569, payload: 29200-30659 (1460 bytes)]
[Frame: 3570, payload: 30660-32119 (1460 bytes)]
[Frame: 3571, payload: 32120-33579 (1460 bytes)]
[Frame: 3572, payload: 33580-35039 (1460 bytes)]
[Frame: 3573, payload: 35040-36499 (1460 bytes)]
[Frame: 3574, payload: 36500-37959 (1460 bytes)]
[Frame: 3575, payload: 37960-39419 (1460 bytes)]
[Frame: 3576, payload: 39420-40879 (1460 bytes)]
[Frame: 3578, payload: 40880-42339 (1460 bytes)]
[Frame: 3579, payload: 42340-43799 (1460 bytes)]
[Frame: 3581, payload: 43800-45259 (1460 bytes)]
[Frame: 3582, payload: 45260-46719 (1460 bytes)]
[Frame: 3584, payload: 46720-48179 (1460 bytes)]
[Frame: 3585, payload: 48180-49639 (1460 bytes)]
[Frame: 3586, payload: 49640-51099 (1460 bytes)]
[Frame: 3588, payload: 51100-52559 (1460 bytes)]
[Frame: 3589, payload: 52560-54019 (1460 bytes)]
[Frame: 3590, payload: 54020-55479 (1460 bytes)]
[Frame: 3591, payload: 55480-56939 (1460 bytes)]
[Frame: 3592, payload: 56940-58399 (1460 bytes)]
[Frame: 3593, payload: 58400-59859 (1460 bytes)]
[Frame: 3594, payload: 59860-61319 (1460 bytes)]
[Frame: 3595, payload: 61320-62779 (1460 bytes)]
[Frame: 3596, payload: 62780-64239 (1460 bytes)]
[Frame: 3598, payload: 64240-65699 (1460 bytes)]
[Frame: 3599, payload: 65700-67159 (1460 bytes)]
[Frame: 3601, payload: 67160-68619 (1460 bytes)]
[Frame: 3602, payload: 68620-70079 (1460 bytes)]
[Frame: 3603, payload: 70080-71539 (1460 bytes)]
[Frame: 3604, payload: 71540-72999 (1460 bytes)]
[Frame: 3605, payload: 73000-74459 (1460 bytes)]
[Frame: 3606, payload: 74460-75919 (1460 bytes)]
[Frame: 3607, payload: 75920-77379 (1460 bytes)]
[Frame: 3608, payload: 77380-78839 (1460 bytes)]
[Frame: 3609, payload: 78840-80299 (1460 bytes)]
[Frame: 3610, payload: 80300-81759 (1460 bytes)]
[Frame: 3611, payload: 81760-83219 (1460 bytes)]
[Frame: 3612, payload: 83220-84679 (1460 bytes)]
[Frame: 3614, payload: 84680-86139 (1460 bytes)]
[Frame: 3615, payload: 86140-87599 (1460 bytes)]
[Frame: 3616, payload: 87600-89059 (1460 bytes)]
[Frame: 3617, payload: 89060-90519 (1460 bytes)]
[Frame: 3618, payload: 90520-91979 (1460 bytes)]
[Frame: 3619, payload: 91980-93439 (1460 bytes)]
[Frame: 3621, payload: 93440-94899 (1460 bytes)]
[Frame: 3622, payload: 94900-96359 (1460 bytes)]
[Frame: 3624, payload: 96360-97819 (1460 bytes)]
[Frame: 3625, payload: 97820-99279 (1460 bytes)]
[Frame: 3626, payload: 99280-100739 (1460 bytes)]
[Frame: 3627, payload: 100740-101316 (577 bytes)]
[Segment count: 70]
[Reassembled TCP length: 101317]
[Reassembled TCP Data: 485454502f312e3120323030204f4b0d0a446174653a2053...
```

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
Date: Sat, 13 Jun 2020 13:55:44 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.6 mod_perl/2.0.11 Perl/v5.16.3\r\n
Last-Modified: Tue, 15 Sep 2009 18:23:27 GMT\r\n
ETag: "18a68-473a1e0e6e5c0"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 100968\r\n
Keep-Alive: timeout=5, max=100\r\n
Connection: Keep-Alive\r\n
Content-Type: image/jpeg\r\n
\r\n
```

C:\Users\Elena\Desktop\Сети\Лабораторна 2 Комп мережі Макаренко\Dump 2.4.pcapng 4148 total packets, 8 shown

[HTTP response 1/1]
[Time since request: 0.460037000 seconds]
[Request in frame: 3538]
[Request URI: http://manic.cs.umass.edu/~kurose/cover_5th_ed.jpg]
File Data: 100968 bytes
JPEG File Interchange Format