



МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
ННК «ІІСА» НТУУ «КПІ ІМ. ІГОРЯ СІКОРСЬКОГО»
КАФЕДРА ММСА

Практична робота № 1
З курсу: «Комп'ютерні мережі»

Виконав:
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Запит

```
No.      Time      Source      Destination      Protocol Length Info
 84 15.675482 192.168.11.100 128.119.245.12  HTTP      593      GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
Frame 84: 593 bytes on wire (4744 bits), 593 bytes captured (4744 bits) on interface \Device\NPF_{98209E65-AD2B-4D55-AE9E-5CA9D244F892}, id 0
Ethernet II, Src: LiteonTe_e4:88:db (64:6e:69:e4:88:db), Dst: Tp-LinkT_a4:95:3c (94:0c:6d:a4:95:3c)
Internet Protocol Version 4, Src: 192.168.11.100, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 56478, Dst Port: 80, Seq: 1, Ack: 1, Len: 527
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/81.0.4044.138 Safari/537.36 OPR/
68.0.3618.125 (Edition Campaign 34)\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: ru-RU,ru;q=0.9,en-US;q=0.8,en;q=0.7\r\n
\r\n
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
[HTTP request 1/2]
[Response in frame: 88]
[Next request in frame: 90]
```

Відповідь

```
No.      Time      Source      Destination      Protocol Length Info
 88 15.816938 128.119.245.12 192.168.11.100  HTTP      504      HTTP/1.1 200 OK (text/html)
Frame 88: 504 bytes on wire (4032 bits), 504 bytes captured (4032 bits) on interface \Device\NPF_{98209E65-AD2B-4D55-AE9E-5CA9D244F892}, id 0
Ethernet II, Src: Tp-LinkT_a4:95:3c (94:0c:6d:a4:95:3c), Dst: LiteonTe_e4:88:db (64:6e:69:e4:88:db)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.11.100
Transmission Control Protocol, Src Port: 80, Dst Port: 56478, Seq: 1, Ack: 528, Len: 438
Hypertext Transfer Protocol
  HTTP/1.1 200 OK\r\n
  Date: Fri, 22 May 2020 23:26:37 GMT\r\n
  Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.11 Perl/v5.16.3\r\n
  Last-Modified: Fri, 22 May 2020 05:59:03 GMT\r\n
  ETag: "51-5a6365389623d"\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
[HTTP response 1/2]
[Time since request: 0.141456000 seconds]
[Request in frame: 84]
[Next request in frame: 90]
[Next response in frame: 91]
[Request URI: http://gaia.cs.umass.edu/favicon.ico]
File Data: 81 bytes
Line-based text data: text/html (3 lines)
```

Контрольні запитання

1. TLSv1.2, TCP, DNS, HTTP, MDNS, DLS,LLMNR,UDP,SSL,NBNS
2. HTTP
3. 0.141456
4. Запит:

- Вихідна: 192.168.11.102
- Цільова: 128.119.245.12

Відповідь:

- Вихідна: 128.119.245.12
- Цільова: 192.168.11.102

5. GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n
6. HTTP/1.1 200 OK\r\n