

# МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ ННК «ІПСА» НТУУ «КПІ ІМ. ІГОРЯ СІКОРСЬКОГО»

**КАФЕДРА ММСА**

**Практична робота № 1**

**З курсу:** «**Комп’ютерні мережі**»

**Виконала: Студентка ІIІ курсу**

**Групи КА-73 Колесник М.М.**

**Прийняв: Кухарєв С.О.**

**Київ 2020**

**Запит**

No. Time Source Destination Protocol Length Info

102 10.488643 192.168.43.84 128.119.245.12 HTTP 653 GET /

wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1

Frame 102: 653 bytes on wire (5224 bits), 653 bytes captured (5224 bits) on interface en0, id 0

Ethernet II, Src: Apple\_78:53:31 (f0:18:98:78:53:31), Dst: 0a:c5:e1:0a:86:9d (0a:c5:e1:0a:86:9d)

Internet Protocol Version 4, Src: 192.168.43.84, Dst: 128.119.245.12

Transmission Control Protocol, Src Port: 63449, Dst Port: 80, Seq: 1, Ack: 1, Len: 587

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

Connection: keep-alive\r\n

Upgrade-Insecure-Requests: 1\r\n

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_14\_6) AppleWebKit/537.36 (KHTML, like

Gecko) Chrome/79.0.3945.117 Safari/537.36\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: uk-UA,uk;q=0.9,ru;q=0.8,en-US;q=0.7,en;q=0.6\r\n

If-None-Match: "51-59f6105e8c5ac"\r\n

If-Modified-Since: Tue, 25 Feb 2020 06:59:03 GMT\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: 124]

**Відповідь**

No. Time Source Destination Protocol Length Info

124 12.498098 128.119.245.12 192.168.43.84 HTTP 305 HTTP/1.1 304

Not Modified

Frame 124: 305 bytes on wire (2440 bits), 305 bytes captured (2440 bits) on interface en0, id 0

Ethernet II, Src: 0a:c5:e1:0a:86:9d (0a:c5:e1:0a:86:9d), Dst: Apple\_78:53:31 (f0:18:98:78:53:31)

Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.43.84

Transmission Control Protocol, Src Port: 80, Dst Port: 63449, Seq: 1, Ack: 588, Len: 239

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: Tue, 25 Feb 2020 09:41:27 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

Connection: Keep-Alive\r\n

Keep-Alive: timeout=5, max=100\r\n

ETag: "51-59f6105e8c5ac"\r\n

\r\n

[HTTP response 1/1]

[Time since request: 2.009455000 seconds]

[Request in frame: 102]

[Request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]

## **Контрольні запитання**

## TLSv1.2, TCP, DNS, ARP, HTTP, MDNS

## HTTP

## 2.009455

## Запит:

## Вихідна: 192.168.43.84

## Цільова: 128.119.245.12

## Відповідь:

## Вихідна: 128.119.245.12

## Цільова: 192.168.43.84

## 5.GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n

## 6. HTTP/1.1 304 Not Modified\r\n

## **Висновок:** В даній лабораторній роботі я оволоділа методами роботи в середовищі захоплення та аналізу пакетів Wireshark. Також я ознайомилась з протоколом http.