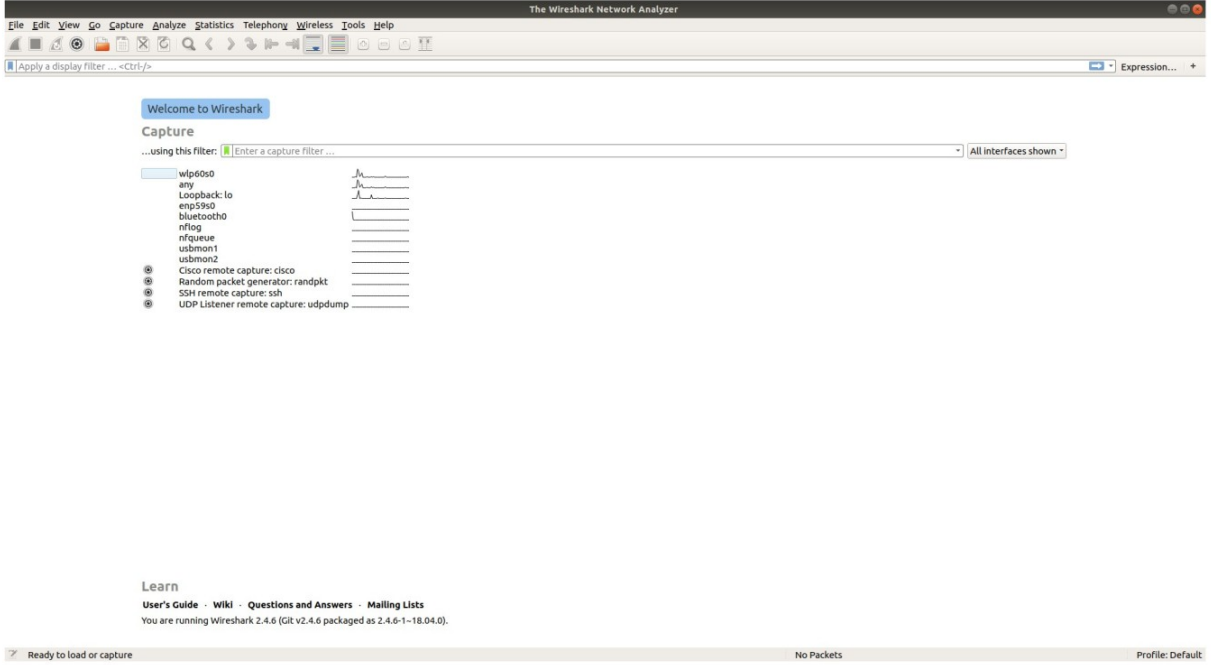
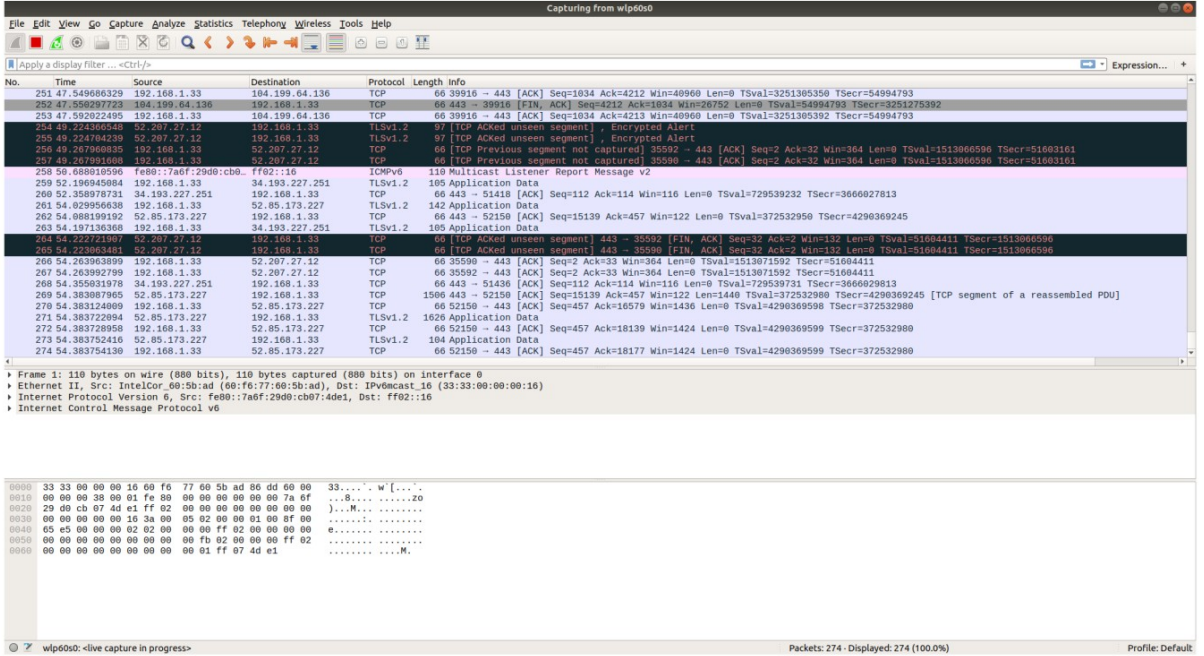


Bil-452
Ödev 1

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Tüm interfacerleri gördüğümüz açılış ekranı.



wlp60s0 için sniffing işlemimizi başlattık.

Wireshark capture showing an HTTP GET request to /image/84ee6d49f8c966fc874932a570d5fff9d2e358e6 HTTP/1.1. The packet list shows the request and response. The packet details pane shows the request structure. The packet bytes pane shows the raw data.

http filtreleme yaptığımızda <http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html> adresine atmış olduğumuz get request'i görebiliyoruz.

Wireshark capture showing an HTTP GET request to /image/84ee6d49f8c966fc874932a570d5fff9d2e358e6 HTTP/1.1. The packet list shows the request and response. The packet details pane shows the request structure. The packet bytes pane shows the raw data.

Göndermiş olduğumuz get request'ine karşılık bize döndürülen cevap yukarıda şekildedir.

Wireshark - Packet 183 - wireshark_wlp60s0_20180515102951_8GYFA8

```
Date: Tue, 15 May 2018 07:30:28 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10 Perl/v5.16.3\r\n
Last-Modified: Tue, 15 May 2018 05:59:01 GMT\r\n
ETag: "51-56c384c83ee47"\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 1/1]
[Time since request: 0.149375292 seconds]
[Request in frame: 175]
File Data: 81 bytes
Line-based text data: text/html
<html>\n
Congratulations! You've downloaded the first wireshark lab file!\n
</html>\n
```

0090 6e 74 4f 53 29 20 4f 70 65 6e 53 53 4c 2f 31 2e ntOS) Op enSSL/1.
00a0 30 2e 32 6b 2d 66 69 70 73 20 50 48 50 2f 35 2e 0.2k-fip s PHP/5.
00b0 34 2e 31 36 20 6d 6f 64 5f 70 65 72 6c 2f 32 2e 4.16 mod _perl/2.
00c0 30 2e 31 30 20 50 65 72 6c 2f 70 35 2e 31 36 2e 0.10 Per l/v5.16.
00d0 33 0d 0a 4c 61 73 74 2d 4d 6f 64 69 66 69 65 64 3..Last- Modified
00e0 3a 20 54 75 65 2c 20 31 35 20 4d 61 79 20 32 30 : Tue, 1 5 May 20
00f0 31 38 20 30 35 3a 35 39 3a 30 31 20 47 4d 54 0d 18 05:59 :01 GMT.
0100 0a 45 54 61 67 3a 20 22 35 31 2d 35 36 63 33 38 .ETag: " 51-56c38
0110 34 63 38 33 65 65 34 37 22 0d 0a 41 63 63 65 70 4c83ee47 ".Accep
0120 74 2d 52 61 6e 67 65 73 3a 20 62 79 74 65 73 0d t-Ranges : bytes.
0130 0a 43 6f 6e 74 65 6e 74 2d 4c 65 6e 67 74 68 3a .Content -Length:
0140 20 38 31 0d 0a 4b 65 65 70 2d 41 6c 69 76 65 3a 81..Kee p-Alive:
0150 20 74 69 6d 65 6f 75 74 3d 35 2c 20 6d 61 78 3d timeout =5, max=
0160 31 30 30 0d 0a 43 6f 6e 6e 65 63 74 69 6f 6e 3a 100..Con nection:
0170 20 4b 65 65 70 2d 41 6c 69 76 65 0d 0a 43 6f 6e Keep-Al ive..Con
0180 74 65 6e 74 2d 54 79 70 65 3a 20 74 65 78 74 2f tent-Typ e: text/
0190 68 74 6d 6c 3b 20 63 68 61 72 73 65 74 3d 55 54 html; ch arset=UT
01a0 46 2d 38 0d 0a 0d 0a 3c 68 74 6d 6c 3e 0a 43 6f F-B....< html>.<
01b0 6e 07 72 61 74 75 6c 61 74 69 6f 6e 73 21 20 20 ngratula tions!
01c0 59 6f 75 27 76 65 20 64 6f 77 6e 6c 6f 61 64 65 You've d ownloade
01d0 64 20 74 68 65 20 66 69 72 73 74 20 57 69 72 65 d the fi rst Wire
01e0 73 68 61 72 6b 20 6c 61 62 20 66 69 6c 65 21 0a shark la b file!
01f0 3c 2f 68 74 6d 6c 3e 0a </html>.

No.: 183 - Time: 26.943576500 - Source: 128.119.245.12 - Destination: 192.168.1.33 - Protocol: HTTP - Length: 504 - Info: HTTP/1.1 200 OK (text/html)

Help Close

Bu response’u incelersek eğer siteye bağlandığımızda karşımıza gelen mesajın içeriğini de yukarıdaki şekilde görebildik.

Soru 1:

- TCP
- SSDP
- TLSv1.2
- DNS
- QUIC

Soru 2:

Yaklaşık olarak 0.14 saniye sürmüştür.

Soru 3:

wwwnet.cs.umass.edu ip adresi: 128.119.245.12
kendi ip adresim: 192.168.1.35

Soru 4:

GET:

34 2018-05-15 11:24:56,062973823 192.168.1.35
128.119.245.12
HTTP
589
GET /
wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
Frame 34: 589 bytes on wire (4712 bits), 589 bytes captured (4712 bits) on interface
0
Ethernet II, Src: IntelCor_60:5b:ad (60:f6:77:60:5b:ad), Dst: ZyxelCom_40:c4:61 (5c:f4:ab:40:c4:61)
Internet Protocol Version 4, Src: 192.168.1.35, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 60568, Dst Port: 80, Seq: 1, Ack: 1, Len: 523
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 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.170 Safari/537.36\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8\r\n
Accept-Encoding: gzip, deflate\r\n
Accept-Language: tr-TR,tr;q=0.9,en-US;q=0.8,en;q=0.7\r\n
If-None-Match: "51-56c384c83ee47"\r\n
If-Modified-Since: Tue, 15 May 2018 05:59:01 GMT\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: 38]
[Next request in frame: 52]

OK:

572 2018-05-15 11:26:36,278146115 128.119.245.12
192.168.1.35
HTTP
197
HTTP/1.1
200 OK (text/html)
Frame 572: 197 bytes on wire (1576 bits), 197 bytes captured (1576 bits) on interface
0
Ethernet II, Src: ZyxelCom_40:c4:61 (5c:f4:ab:40:c4:61), Dst: IntelCor_60:5b:ad
(60:f6:77:60:5b:ad)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.35
Transmission Control Protocol, Src Port: 80, Dst Port: 60576, Seq: 2881, Ack: 395,
Len: 131
[3 Reassembled TCP Segments (3011 bytes): #568(1440), #570(1440), #572(131)]
Hypertext Transfer Protocol
HTTP/1.1 200 OK\r\n
Date: Tue, 15 May 2018 08:26:36 GMT\r\n
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod_perl/2.0.10
Perl/v5.16.3\r\n
Last-Modified: Tue, 01 Mar 2016 18:57:50 GMT\r\n
ETag: "a5b-52d015789ee9e"\r\n
Accept-Ranges: bytes\r\n
Content-Length: 2651\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: 0.149504772 seconds]
[Request in frame: 564]
[Next request in frame: 574]
[Next response in frame: 619]
File Data: 2651 bytes
Line-based text data: text/html