

Roland  
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# Wireshark assignment

IP 202513377

Lab 1

Part 1

1. Browser : HTTP/1.1
2. Server : HTTP/1.1
2. Accept language are en-LB, en-GB, en-US, es  
~~(deutsche British)~~ spanish english and belgian  
arabic, and fr (french).
3. Computer IP: 192.168.123.29 (client)  
link(gaia ...) IP; 128.119.245.72 server
4. 200 OK
5. Tue, 28 Oct 2025 05:59:01 GMT

6. 81 bytes
7. The user agent 'Reaver' is not displayed in the packet listing window but visible in packet bytes.
- Part 2:
8. In the first HTTP GET (frame 205) there is no If-modified-since line.
9. The response HTTP/1.1 200 OK content-length (371 bytes) indicate that data has been sent/returned
10. There is an If Modified since with  
Tue, 28 Oct 2025 05:59:01 GMT  
HTTP GET (frame 337)
11. The response is 304 not modified hence the server did not return because it should use the cached copy.

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Current filter: http

No.	Time	Source	Destination	Protocol	Length	Info
205	4.199518	192.168.123.29	128.119.245.12	HTTP	601	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
232	4.354953	128.119.245.12	192.168.123.29	HTTP	794	HTTP/1.1 200 OK (text/html)
271	4.466645	192.168.123.29	128.119.245.12	HTTP	547	GET /favicon.ico HTTP/1.1
291	4.600532	128.119.245.12	192.168.123.29	HTTP	645	HTTP/1.1 301 Moved Permanently (text/html)
337	7.476641	192.168.123.29	128.119.245.12	HTTP	713	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
348	7.865235	128.119.245.12	192.168.123.29	HTTP	411	HTTP/1.1 304 Not Modified

```
> Frame 337: Packet, 713 bytes on wire (5704 bits), 713 bytes captured (5704 bits) on interface \Device\NPF_{C634F1:
> Ethernet II, Src: WNC_c4:fd:7a (58:96:71:c4:fd:7a), Dst: FidaInternat_1e:4d:2d (90:61:0c:1e:4d:2d)
> Internet Protocol Version 4, Src: 192.168.123.29, Dst: 128.119.245.12
> Transmission Control Protocol, Src Port: 49667, Dst Port: 80, Seq: 1041, Ack: 1332, Len: 659
> Hypertext Transfer Protocol
>   GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1\r\n
Request Method: GET
Request URI: /wireshark-labs/HTTP-wireshark-file2.html
Request Version: HTTP/1.1
Host: gaia.cs.umass.edu\r\n
Connection: keep-alive\r\n
Cache-Control: max-age=0\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/145.0.0.0 S
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=1.0
Accept-Encoding: gzip, deflate\r\n
Accept-Language: en-LB,en;q=0.9,es-LB;q=0.8,es;q=0.7,ar-LB;q=0.6,ar;q=0.5,en-GB;q=0.4,en-US;q=0.3,fr;q=0.2\r\n
If-None-Match: "173-64231b67176b7"\r\n
If-Modified-Since: Tue, 28 Oct 2025 05:59:01 GMT\r\n
\r\n
```

```
0030 fa cc 71 5c 00 00 47 45 54 20 2f 77 69 72 65 73
0040 68 61 72 6b 2d 6c 61 62 73 2f 48 54 54 50 2d 77
0050 69 72 65 73 68 61 72 6b 2d 66 69 6c 65 32 2e 68
0060 74 6d 6c 20 48 54 54 50 2f 31 2e 31 0d 0a 48 6f
0070 73 74 3a 28 67 61 69 61 2e 63 73 2e 75 6d 61 73
0080 73 2e 65 64 75 0d 0a 43 6f 6e 6a 65 63 74 69 6f
0090 6e 3a 20 6b 65 70 2d 61 6c 69 76 65 0d 0a 43
00a0 61 63 68 65 2d 43 6f 6e 74 72 6f 63 2a 29 6d 61
00b0 72 2d 61 67 65 3d 30 0d 0a 55 70 67 72 61 64 65
00c0 2d 49 6e 73 65 63 75 72 65 2d 52 65 71 75 65 73
00d0 74 73 3a 28 31 0d 0a 55 73 65 72 2d 41 67 65 6e
00e0 74 3a 20 4d 6f 7a 69 6c 6c 61 2f 35 2e 30 20 28
00f0 57 69 6e 64 6f 77 73 20 4e 5d 20 31 30 2e 30 3b
0100 20 57 69 6e 38 3a 3b 20 78 3e 34 29 28 41 78 78
0110 6c 65 57 65 62 4b 69 74 2f 35 33 37 2e 33 36 20
0120 28 4b 48 54 4d 4c 2c 20 6c 69 6b 65 20 47 65 63
0130 6b 6f 29 28 43 68 72 6f 6d 65 2f 31 34 35 2e 30
0140 2e 30 2e 38 20 53 61 66 61 72 69 2f 35 33 37 2e
0150 33 36 0d 0a 41 63 63 65 70 74 3a 28 74 65 78 74
0160 2f 68 74 6d 6c 2e 61 70 70 6c 69 63 61 74 69 6f
0170 66 2f 78 68 74 6d 6c 2b 78 6d 6c 2c 61 70 70 6c
0180 69 63 61 74 69 6f 6e 2f 78 6d 6c 3b 71 3d 30 2e
0190 39 2c 09 6d 61 67 65 2f 61 76 69 66 2c 69 6d 61
01a0 67 65 2f 77 65 62 70 2c 69 6d 61 67 65 2f 61 70
```

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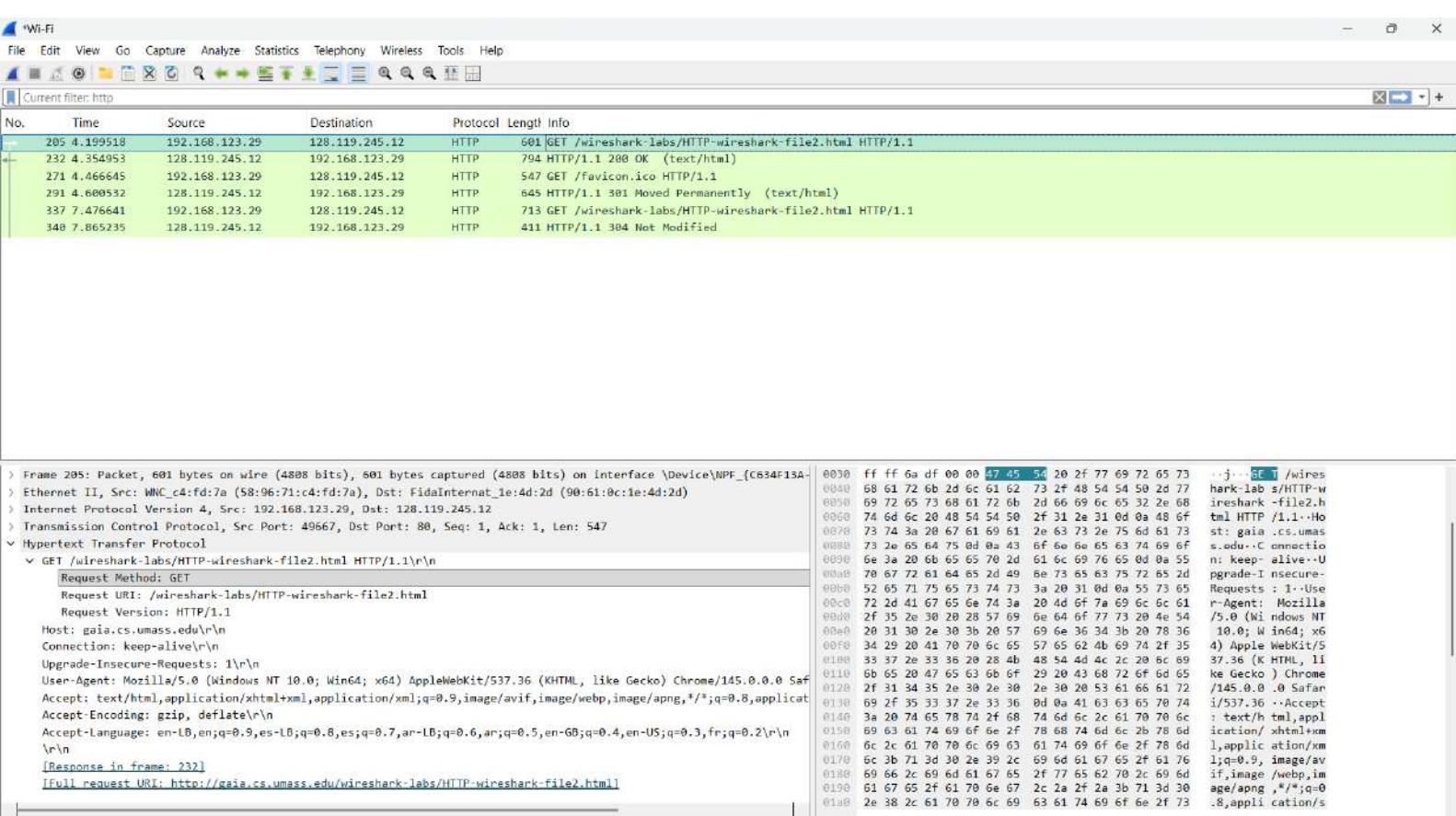
Current filter: http

No.	Time	Source	Destination	Protocol	Length	Info
205	4.199518	192.168.123.29	128.119.245.12	HTTP	601	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
232	4.354953	128.119.245.12	192.168.123.29	HTTP	794	HTTP/1.1 200 OK (text/html)
271	4.466645	192.168.123.29	128.119.245.12	HTTP	547	GET /favicon.ico HTTP/1.1
291	4.600532	128.119.245.12	192.168.123.29	HTTP	645	HTTP/1.1 301 Moved Permanently (text/html)
337	7.476641	192.168.123.29	128.119.245.12	HTTP	713	GET /wireshark-labs/HTTP-wireshark-file2.html HTTP/1.1
348	7.865235	128.119.245.12	192.168.123.29	HTTP	411	HTTP/1.1 304 Not Modified

```
> Frame 232: Packet, 794 bytes on wire (6352 bits), 794 bytes captured (6352 bits) on interface \Device\NPF_{C634F1:
> Ethernet II, Src: FidaInternat_1e:4d:2d (90:61:0c:1e:4d:2d), Dst: WNC_c4:fd:7a (58:96:71:c4:fd:7a)
> Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.123.29
> Transmission Control Protocol, Src Port: 80, Dst Port: 49667, Seq: 1, Ack: 548, Len: 740
> Hypertext Transfer Protocol
  > HTTP/1.1 200 OK\r\n
    Response Version: HTTP/1.1
    Status Code: 200
    [Status Code Description: OK]
    Response Phrase: OK
    Date: Fri, 20 Feb 2026 17:40:03 GMT\r\n
    Server: Apache/2.4.62 (Almalinux) OpenSSL/3.5.1 mod_fcgid/2.3.9 mod_perl/2.0.12 Perl/v5.32.1\r\n
    Last-Modified: Tue, 28 Oct 2025 05:59:01 GMT\r\n
    ETag: "173-64231b67176b7"\r\n
    Accept-Ranges: bytes\r\n
    Content-Type: text/html; charset=UTF-8\r\n
    X-CFL0-Cache-Result: TCP_HIT\r\n
> Content-Length: 371\r\n
    Connection: Keep-Alive\r\n
    Ame: A7\r\n

```

```
0000: 58 96 71 c4 fd 7a 90 61 0c 1e 4d 2d 08 00 45 00 X:q-z:a--M-E-
0010: 03 0c 91 18 40 00 fd 06 38 89 80 77 f5 9c c0 a8 --@... 8-w-...
0020: 7b 1d 00 50 c2 03 35 8f eb 19 46 20 99 e4 50 18 {`P:5`-F-P-
0030: 19 2e a0 42 00 00 48 54 54 50 2f 31 2e 31 20 32 ..C-HT TP/1.1 2
0040: 38 30 20 4f 4b 0d 0a 44 61 74 65 3a 28 46 72 69 08 OK-D ate: Fri
0050: 2c 20 32 30 20 46 65 62 20 32 30 32 36 29 31 37 , 20 Feb 2026 17
0060: 3a 34 30 3a 20 33 20 47 4d 54 0d 0a 53 65 72 76 :40:03 G MT-Serv
0070: 65 72 3a 20 41 79 61 63 68 65 2f 32 2e 34 2e 36 er: Apache/2.4.6
0080: 32 20 28 41 6c 6a 61 4c 69 6e 75 78 29 29 4f 78 2 (Almalinux) Op
0090: 65 6e 53 53 4c 2f 33 2e 35 2e 31 20 68 6f 64 5f enSSL/3. 5.1 mod_
00a0: 66 63 67 69 64 2f 32 2e 33 2e 39 20 68 6f 64 5f fcgid/2. 3.9 mod_
00b0: 70 65 72 6c 2f 32 2e 30 2e 31 32 20 58 65 72 6c perl/2.0 .12 Perl
00c0: 2f 76 35 2e 33 32 2e 31 0d 0a 4c 61 73 74 2d 4d /v5.32.1 --Last-M
00d0: 6f 64 69 66 69 65 64 3a 20 54 75 65 2c 20 32 38 odified: Tue, 28
00e0: 20 4f 63 74 20 32 30 32 35 20 30 35 3a 35 39 3a Oct 2025 05:59:
00f0: 30 31 20 47 4d 54 0d 0a 45 54 61 67 3a 20 22 31 01 GNT- ETag: "1
0100: 37 33 2d 36 34 32 33 31 62 36 37 31 37 36 62 37 73-64231 b67176b7
0110: 22 0d 0a 41 63 63 65 70 74 2d 52 61 66 67 65 73 "...Accp t-Ranges
0120: 3a 20 62 79 74 65 73 0d 0a 43 6f 6e 74 65 6e 74 : bytes-Content
0130: 2d 54 79 70 65 3a 20 74 65 78 74 2f 68 74 6d 6c -Type: t ext/html
0140: 3b 20 63 68 61 72 73 65 74 3d 55 54 46 2d 38 0d ; charse t=UTF-8-
0150: 0a 58 2d 43 46 4c 4f 2d 43 61 63 68 65 2d 52 65 -X-CFL0- Cache-Re
0160: 73 75 6c 74 3a 20 54 43 50 5f 48 49 54 0d 0a 43 sult: TC P_HIT-C
0170: 6f 6e 74 65 6e 74 2d 4c 65 6e 67 74 68 3a 20 33 ontent-L ength: 3
```



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http

No.	Time	Source	Destination	Protocol	Length	Info
1016	19.794640	192.168.123.29	34.104.35.123	HTTP	366	GET /edged1/difffgen-puffin/%7B%a69d345-d564-463c-a69d9e530f96%7D/a3f2d141b7a03707891235e41e54ac55e3ed278cff1189ad3934866daf9072a...
6795	32.883433	192.168.123.29	128.119.245.12	HTTP	602	GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
6809	32.943624	128.119.245.12	192.168.123.29	HTTP	502	HTTP/1.1 200 OK (text/html)
6822	32.996377	192.168.123.29	128.119.245.12	HTTP	548	GET /favicon.ico HTTP/1.1
6998	33.335359	128.119.245.12	192.168.123.29	HTTP	644	HTTP/1.1 301 Moved Permanently (text/html)

> Frame 6809: Packet, 502 bytes on wire (4016 bits), 502 bytes captured (4016 bits) on interface \Device\NPF\_{...}

> Ethernet II, Src: FidaInternat\_1e:4d:2d (90:61:0c:1e:4d:2d), Dst: WNC\_c4:fd:7a (58:96:71:c4:fd:7a)

> Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.123.29

> Transmission Control Protocol, Src Port: 80, Dst Port: 64705, Seq: 1, Ack: 550, Len: 448

> Hypertext Transfer Protocol

```
> HTTP/1.1 200 OK\r\n
Date: Fri, 28 Feb 2026 17:30:42 GMT\r\n
Server: Apache/2.4.62 (Almalinux) OpenSSL/3.5.1 mod_fcgid/2.3.9 mod_perl/2.0.12 Perl/v5.32.1\r\n
Last-Modified: Tue, 28 Oct 2025 05:59:01 GMT\r\n
ETag: "51-64231b6715777"\r\n
Accept-Ranges: bytes\r\n
Content-Type: text/html; charset=UTF-8\r\n
X-CFLO-Cache-Result: TCP_HIT\r\n
Content-Length: 81\r\n
Connection: Keep-Alive\r\n
Age: 66\r\n
\r\n
[Request in frame: 6795]
[Time since request: 60.191000 milliseconds]
[Request URL: /wireshark-labs/INTRO-wireshark-file1.html]
```

0030 15 1f e5 fe 00 00 48 54 54 50 2f 31 2e 31 20 32 .....IT TP/1.1 2
0040 30 30 20 4f 4b 0d 0a 44 61 74 65 3a 20 46 72 69 00 OK- Date: Fri
0050 2c 20 32 30 20 46 65 62 28 32 30 32 36 20 31 37 , 20 Feb 2026 17
0060 3a 33 30 3a 34 32 20 47 4d 54 0d 0a 53 65 72 76 :30:42 G MT-.Serv
0070 65 72 3a 20 41 70 61 63 68 65 2f 32 2e 34 2e 36 er: Apac he/2.4.6
0080 32 28 28 41 6c 6d 61 4c 69 6e 75 78 29 20 4f 70 2 (Almal inux) Op
0090 65 6e 53 53 4c 2f 33 2e 35 2e 31 20 6d 6f 64 5f enSSL/3. 5.1 mod\_
00a0 66 63 67 69 64 2f 32 2e 35 2e 39 20 6d 6f 64 5f fcgid/2. 3.9 mod\_
00b0 70 65 72 6c 2f 32 2e 30 2e 31 32 20 58 65 72 6c perl/2.0 .12 Perl
00c0 2f 76 35 2e 33 32 2e 31 0d 0a 4c 61 73 74 2d 4d /v5.32.1 -.Last-M
00d0 6f 64 69 66 65 65 64 3a 28 54 75 65 2c 28 32 38 odified: Tue, 28
00e0 20 4f 63 74 20 32 30 32 35 20 30 35 3a 35 39 3a Oct 2025 05:59:
00f0 30 31 20 47 4d 54 0d 0a 45 54 63 67 3a 20 22 35 01 GMT-. ETag: "5
0100 31 2d 36 34 32 33 31 62 36 37 31 35 37 37 37 22 1-64231b 6715777"
0110 0d 0a 41 63 63 65 70 74 2d 52 61 6e 67 65 73 3a ..Accept -Ranges:
0120 20 62 79 74 65 73 0d 0a 42 6f 66 74 65 66 74 2d bytes.. Content-
0130 54 79 70 65 3a 20 74 65 78 74 2f 68 74 6d 6c 3b type: te xt/html;
0140 20 63 68 61 72 73 65 74 3d 55 54 46 2d 38 0d 0a charset =UTF-8..
0150 58 2d 43 46 4c 4f 2d 43 61 63 68 65 2d 52 65 73 X-CFLO-C ache-Res
0160 75 6c 74 3a 20 54 43 50 5f 48 49 54 0d 0a 43 6f ult: TCP \_HIT-.Co
0170 6e 74 65 6e 74 2d 4c 65 6e 67 74 68 3a 20 38 31 ntent-Le ngth: 81
0180 0d 0a 43 6f 6e 66 63 74 69 6f 6e 3a 20 4b 65 ..Connec tion: Ke
0190 65 70 2d 41 6c 69 76 65 0d 0a 41 67 65 3a 20 36 ep-Alive ..Age: 6
01a0 36 0d 0a 0d 0a 3c 68 74 6d 6c 3e 0a 43 6f 6e 67 6---ht ml> Cong

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http

No.	Time	Source	Destination	Protocol	Length	Info
1016	19.794640	192.168.123.29	34.104.35.123	HTTP	366	GET /edged1/diffgen-puffin/%7B%a59d345-d564-463c-a69d9e530f96%7D/a3f2d141b7a03707891235e41e54ac55e3ed278cff1189ad3934866daf9072a...
6795	32.883433	192.168.123.29	128.119.245.12	HTTP	602	GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1
6809	32.943624	128.119.245.12	192.168.123.29	HTTP	502	HTTP/1.1 200 OK (text/html)
6822	32.996377	192.168.123.29	128.119.245.12	HTTP	548	GET /favicon.ico HTTP/1.1
6998	33.335359	128.119.245.12	192.168.123.29	HTTP	644	HTTP/1.1 301 Moved Permanently (text/html)

```

> Frame 6795: Packet, 602 bytes on wire (4816 bits), 602 bytes captured (4816 bits) on interface \Device\NPF_{...}
> Ethernet II, Src: WNC_c4:fd:7a (58:96:71:c4:fd:7a), Dst: FidaInternat_1e:4d:2d (90:61:0c:1e:4d:2d)
> Internet Protocol Version 4, Src: 192.168.123.29, Dst: 128.119.245.12
> Transmission Control Protocol, Src Port: 64705, Dst Port: 80, Seq: 2, Ack: 1, Len: 548
> Hypertext Transfer Protocol
> GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n
    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 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/1
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: en-LB,en;q=0.9,es-LB;q=0.8,es;q=0.7,ar-LB;q=0.6,ar;q=0.5,en-GB;q=0.4,en-US;q=0.3,fr;
    \r\n
    [Response in frame: 6809]
    [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
```

..... GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\nHost: gaia.cs.umass.edu\r\nConnection: keep-alive\r\nUpgrade-Insecure-Requests: 1\r\nUser-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/10.0.537.36 Safari/537.36\r\nAccept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,\*/\*;q=0.8\r\nAccept-Encoding: gzip, deflate\r\nAccept-Language: en-LB,en;q=0.9,es-LB;q=0.8,es;q=0.7,ar-LB;q=0.6,ar;q=0.5,en-GB;q=0.4,en-US;q=0.3,fr;\r\n\r\n[Response in frame: 6809]\r\n[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]

## Lab 2

### Part 1

- 1 IP of www.iitb.ac.in = 103.21.124.133
- 2 IP of DNS : 192.168.123.254
- 3 Non authoritative because it was cached.
- 4 dns2.iitb.ac.in

To find the authoritative Name server;

I run nslookup dns2.iitb.ac.in

which queries the DNS system for its IP address

Answer : 103.21.126.129

```
Command Prompt + ▾ Microsoft Windows [Version 10.0.26200.7840]
(c) Microsoft Corporation. All rights reserved.

C:\Users\roland.hf>nslookup www.iitb.ac.in
DNS request timed out.
    timeout was 2 seconds.
Server: Unknown
Address: 192.168.123.254

Non-authoritative answer:
DNS request timed out.
    timeout was 2 seconds.
Name: www.iitb.ac.in
Address: 103.21.124.133

C:\Users\roland.hf>nslookup -type=NS iitb.ac.in
DNS request timed out.
    timeout was 2 seconds.
Server: Unknown
Address: 192.168.123.254

Non-authoritative answer:
iitb.ac.in      nameserver = dns2.iitb.ac.in
iitb.ac.in      nameserver = dns3.iitb.ac.in
iitb.ac.in      nameserver = dns1.iitb.ac.in

C:\Users\roland.hf>
```

```
Command Prompt X + ▾ - □ ×
timeout was 2 seconds.
Name: www.iitb.ac.in
Address: 103.21.124.133

C:\Users\roland.hf>nslookup -type=NS iitb.ac.in
DNS request timed out.
    timeout was 2 seconds.
Server: Unknown
Address: 192.168.123.254

Non-authoritative answer:
iitb.ac.in      nameserver = dns2.iitb.ac.in
iitb.ac.in      nameserver = dns3.iitb.ac.in
iitb.ac.in      nameserver = dns1.iitb.ac.in

C:\Users\roland.hf>nslookup dns2.iitb.ac.in
DNS request timed out.
    timeout was 2 seconds.
Server: Unknown
Address: 192.168.123.254

Non-authoritative answer:
DNS request timed out.
    timeout was 2 seconds.
Name: dns2.iitb.ac.in
Address: 103.21.126.129

C:\Users\roland.hf>
```

## Port 2

5. The first DNS response is sent over UDP packet 483
6. Matching DNS response is over UDP packet 497
7. DNS use port 53 ; The query is UDP 61735 → 53  
and Response UDP 53 → 61735
8. The DNS query sent is to 192.168.123.254
9. The DNS query message contains 1 question 0 answers.
10. 1 question 1 answer
11. The DNS query pair but the HTTP Get  
response cannot be identified for  
`http://gaia.cs ...`. No DNS query was made  
to resolve. The browser can reuse the cached  
IP without any DNS query, which  
improves efficiency.

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ipaddr == 192.168.123.29

No.	Time	Source	Destination	Protocol	Length	Info
2	0.000057	fe80::e4bc:d413:27e...	ff02::16	ICMPv6	90	Multicast Listener Report Message v2
467	8.139027	192.168.123.253	192.168.123.29	HTTP/X...	529	HTTP/1.1 200 OK
461	8.135983	192.168.123.29	192.168.123.253	HTTP	254	GET /gatedesc.xml HTTP/1.1
994	12.810124	192.168.123.254	192.168.123.29	DNS	177	Standard query response 0x20d4 A cdn.jsdelivr.net CNAME jsdelivr.map.fastly.net A 151.101.193.229 A 151.101.1.229 A 151.101.65.22
993	12.767052	192.168.123.29	192.168.123.254	DNS	76	Standard query 0x20d4 A cdn.jsdelivr.net
968	11.920342	192.168.123.254	192.168.123.29	DNS	121	Standard query response 0x77d A ogs.google.com CNAME www3.l.google.com A 172.217.20.118
967	11.880584	192.168.123.29	192.168.123.254	DNS	74	Standard query 0x77da A ogs.google.com
966	11.865105	192.168.123.254	192.168.123.29	DNS	96	Standard query response 0xeada A fonts.googleapis.com A 142.251.209.106
965	11.819357	192.168.123.29	192.168.123.254	DNS	89	Standard query 0xeada A fonts.googleapis.com
539	9.438518	192.168.123.254	192.168.123.29	DNS	155	Standard query response 0x9f76 HTTPS optimizationguide-pa.googleapis.com 50A ns1.google.com
491	8.7790358	192.168.123.254	192.168.123.29	DNS	93	Standard query response 0x7c39 A gaia.cs.umass.edu A 128.119.245.12
ARR R 764K0M	107 TAK 174.26A	107 TAK 174.70	DNS	118	Standard query response 0x77d1 A starkauth.kontektaarden.com A 104.18.10.387 A 104.18.11.387	

```
> Frame 491: Packet, 93 bytes on wire (744 bits), 93 bytes captured (744 bits) on interface \Device\NPF_{C634F13A-1BEB
> Ethernet II, Src: FidaInternat_1e:4d:2d (90:61:0c:1e:4d:2d), Dst: WNC_c4:fd:7a (58:96:71:c4:fd:7a)
> Internet Protocol Version 4, Src: 192.168.123.254, Dst: 192.168.123.29
User Datagram Protocol, Src Port: 53, Dst Port: 61735
  Source Port: 53
  Destination Port: 61735
  Length: 59
  Checksum: 0x3752 [unverified]
  [Checksum Status: Unverified]
  [Stream index: 20]
  [Stream Packet Number: 2]
  > [Timestamps]
  UDP payload (51 bytes)
  > Domain Name System (response)
    Transaction ID: 0x7c39
    Flags: 0x8180 Standard query response, No error
    Questions: 1
    Answer RRs: 1
    Authority RRs: 0
    Additional RRs: 0
    > Queries
    > Answers
      [Request In: 483]
      [Time: 224.737000 milliseconds]
```

```
0009 58 96 71 c4 fd 7a 90 61 0c 1e 4d 2d 08 00 45 00 X.q. z.a.-M-.E-
0010 00 4f dd a2 00 00 1e 11 46 8f c0 a8 7b fe c0 a8 .0.....F-{-...
0020 7b 1d 00 35 f1 27 00 3b 37 52 7c 39 81 80 00 01 {..5'; 7R|9...
0030 00 01 00 00 00 00 04 67 61 69 61 02 63 73 05 75 ....g aia cs.u
0040 6d 61 73 73 03 65 64 75 00 00 01 00 01 c0 0c 00 mass-edu ...
0050 01 00 01 00 00 00 04 00 04 80 77 f5 0c .....O: ..w...
```

