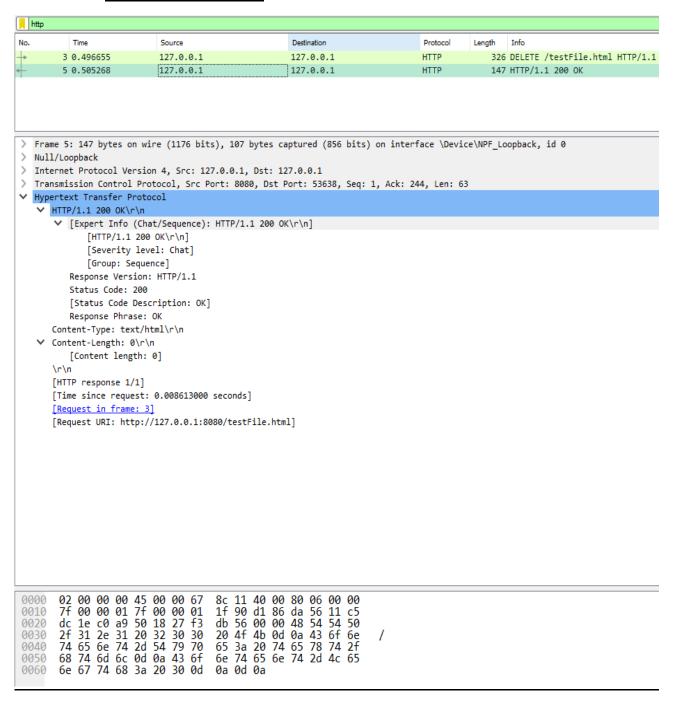
כיצד בחרנו לבדוק את הבקשות:

את כל הבקשות מלבד בקשת TRACE בחרנו לבדוק בעזרת POSTMAN. את בקשת TRACE בדקנו בעזרת CURL.

צילומי מסך מתוכנת WIRESHARK:

1)DELETE - Existing File:



2)DELETE - File Not Exist

http									
No.	Time	Source	Destination	Protocol	Length	Info			
-	7 1.006897	127.0.0.1	127.0.0.1	HTTP	330	DELETE /someFile1212.html HTTP/1.1			
4	9 1.009125	127.0.0.1	127.0.0.1	HTTP	154	HTTP/1.1 404 Not Found			

```
Frame 9: 154 bytes on wire (1232 bits), 114 bytes captured (912 bits) on interface \Device\NPF_Loopback, id 0
> Null/Loopback
> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
> Transmission Control Protocol, Src Port: 8080, Dst Port: 53638, Seq: 1, Ack: 248, Len: 70

    Hypertext Transfer Protocol

✓ HTTP/1.1 404 Not Found\r\n

       [Expert Info (Chat/Sequence): HTTP/1.1 404 Not Found\r\n]
             [HTTP/1.1 404 Not Found\r\n]
             [Severity level: Chat]
             [Group: Sequence]
          Response Version: HTTP/1.1
          Status Code: 404
          [Status Code Description: Not Found]
          Response Phrase: Not Found
      Content-Type: text/html\r\n

✓ Content-Length: 0\r\n

         [Content length: 0]
      \r\n
      [HTTP response 1/1]
      [Time since request: 0.002228000 seconds]
      [Request in frame: 7]
      [Request URI: http://127.0.0.1:8080/someFile1212.html]
```

```
0000 02 00 00 045 00 00 6e 8b 83 40 00 80 06 00 00 0010 7f 00 00 01 7f 00 00 01 1f 90 d1 86 da 56 11 7f 0020 dc 1e bf b7 50 18 27 f4 aa fc 00 00 48 54 54 50 0030 2f 31 2e 31 20 34 30 34 20 4e 6f 74 20 46 6f 75 0040 6e 64 0d 0a 43 6f 6e 74 65 6e 74 2d 54 79 70 65 0050 3a 20 74 65 78 74 2f 68 74 6d 6c 0d 0a 43 6f 6e : 0060 74 65 6e 74 2d 4c 65 6e 67 74 68 3a 20 30 0d 0a 0d 0a 0d 0a
```

3)GET - Existing File:

http	http									
No.	Time	Source	Destination	Protocol	Length	Info				
-	23 9.055216	127.0.0.1	127.0.0.1	HTTP	323	GET /testFile.html HTTP/1.1				
4-	25 9.058620	127.0.0.1	127.0.0.1	HTTP	185	HTTP/1.1 200 OK (text/html)				

```
> Frame 25: 185 bytes on wire (1480 bits), 145 bytes captured (1160 bits) on interface \Device\NPF_Loopback, id 0
 Null/Loopback
  Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  Transmission Control Protocol, Src Port: 8080, Dst Port: 53638, Seq: 1, Ack: 241, Len: 101

▼ Hypertext Transfer Protocol

✓ HTTP/1.1 200 OK\r\n

       [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
             [HTTP/1.1 200 OK\r\n]
             [Severity level: Chat]
             [Group: Sequence]
         Response Version: HTTP/1.1
         Status Code: 200
         [Status Code Description: OK]
         Response Phrase: OK
      Content-type: text/html\r\n
   ✓ Content-Length: 37\r\n
         [Content length: 37]
      [HTTP response 1/1]
      [Time since request: 0.003404000 seconds]
      [Request in frame: 23]
      [Request URI: http://127.0.0.1:8080/testFile.html]
      File Data: 37 bytes
> Line-based text data: text/html (1 lines)
```

```
02 00 00 00 45 00 00 8d
7f 00 00 01 7f 00 00 01
dc 1e be c1 50 18 27 f5
2f 31 2e 31 20 32 30 30
74 65 6e 74 2d 74 79 70
                                                               8a d7 40 00 80 06 00 00
1f 90 d1 86 da 56 11 1a
73 30 00 00 48 54 54 50
0000
0010
0020
                                                               20 4f 4b 0d 0a 43 6f 6e
65 3a 20 74 65 78 74 2f
0030
0040
            68 74 6d 6c 0d 0a 43 6f
                                                               6e 74 65 6e 74 2d 4c 65
0050
           6e 67 74 68 3a 20 33 37
63 6f 6e 74 65 6e 74 20
69 6c 65 20 61 66 74 65
0060
                                                               0d 0a 0d 0a 54 68 65 20
                                                               6f 66 20 74 65 73 74 46 72 20 75 70 64 61 74 65
0070
0080
0090
            2e
```

4)GET – File Not Exist:

http									
No.	Time	Source	Destination	Protocol	Length	Info			
	5 1.083055	127.0.0.1	127.0.0.1	HTTP	327	GET /someFile1212.html HTTP/1.1			
4	7 1.086677	127.0.0.1	127.0.0.1	HTTP	154	HTTP/1.1 404 Not Found			

```
Frame 7: 154 bytes on wire (1232 bits), 114 bytes captured (912 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
Transmission Control Protocol, Src Port: 8080, Dst Port: 53638, Seq: 1, Ack: 245, Len: 70
Hypertext Transfer Protocol

✓ HTTP/1.1 404 Not Found\r\n

    [HTTP/1.1 404 Not Found\r\n]
          [Severity level: Chat]
          [Group: Sequence]
       Response Version: HTTP/1.1
       Status Code: 404
       [Status Code Description: Not Found]
       Response Phrase: Not Found
   Content-Type: text/html\r\n

✓ Content-Length: 0\r\n

       [Content length: 0]
    [HTTP response 1/1]
    [Time since request: 0.003622000 seconds]
    [Request in frame: 5]
    [Request URI: http://127.0.0.1:8080/someFile1212.html]
```

```
0000 02 00 00 00 45 00 00 6e 8a 4b 40 00 80 06 00 00
0010 7f 00 00 01 7f 00 00 01 1f 90 d1 86 da 56 10 d4
0020 dc 1e bd d2 50 18 27 f6 ad 8a 00 00 48 54 54 50
0030 2f 31 2e 31 20 34 30 34 20 4e 6f 74 20 46 6f 75
0040 6e 64 0d 0a 43 6f 6e 74 65 6e 74 2d 54 79 70 65
0050 3a 20 74 65 78 74 2f 68 74 6d 6c 0d 0a 43 6f 6e :
0060 74 65 6e 74 2d 4c 65 6e 67 74 68 3a 20 30 0d 0a
0070 0d 0a
```

5)HEAD - Existing File:

http									
No.	Time	Source	Destination	Protocol	Length	Info			
+ 7	2.859166	127.0.0.1	127.0.0.1	HTTP	324	HEAD /testFile.html HTTP/1.1			
4 9	2.862533	127.0.0.1	127.0.0.1	HTTP	148	HTTP/1.1 200 OK			

```
> Frame 9: 148 bytes on wire (1184 bits), 108 bytes captured (864 bits) on interface \Device\NPF_Loopback, id 0
> Null/Loopback
> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
> Transmission Control Protocol, Src Port: 8080, Dst Port: 53638, Seq: 1, Ack: 242, Len: 64

▼ Hypertext Transfer Protocol

✓ HTTP/1.1 200 OK\r\n

       [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
             [HTTP/1.1 200 OK\r\n]
             [Severity level: Chat]
             [Group: Sequence]
          Response Version: HTTP/1.1
          Status Code: 200
          [Status Code Description: OK]
          Response Phrase: OK
      Content-type: text/html\r\n

✓ Content-Length: 37\r\n

          [Content length: 37]
      [HTTP response 1/1]
      [Time since request: 0.003367000 seconds]
      [Request in frame: 7]
      [Request URI: http://127.0.0.1:8080/testFile.html]
```

```
02 00 00 00 45 00 00 68
7f 00 00 01 7f 00 00 01
0000
                                   89 05 40 00 80 06 00 00
                                   1f 90 d1 86 da 56 10 4e
0010
0020
      dc 1e bb eb 50 18 27 f8
                                   d8 34 00 00 48 54 54 50
      2f 31 2e 31 20 32 30 30
0030
                                   20 4f 4b 0d 0a 43 6f 6e
                                   65 3a 20 74 65 78 74 2f
6e 74 65 6e 74 2d 4c 65
      74 65 6e 74 2d 74 79 70
0040
0050
      68 74 6d 6c 0d 0a 43 6f
      6e 67 74 68 3a 20 33 37
                                   0d 0a 0d 0a
0060
```

6)HEAD - File Not Exist:

http										
No.	Time	Source	Destination	Protocol	Length	Info				
-	5 1.398198	127.0.0.1	127.0.0.1	HTTP	328	HEAD /someFile1212.html HTTP/1.1				
4	7 1.400839	127.0.0.1	127.0.0.1	HTTP	154	HTTP/1.1 404 Not Found				

```
> Frame 7: 154 bytes on wire (1232 bits), 114 bytes captured (912 bits) on interface \Device\NPF_Loopback, id 0
> Null/Loopback
> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
 Transmission Control Protocol, Src Port: 8080, Dst Port: 53638, Seq: 1, Ack: 246, Len: 70
 Hypertext Transfer Protocol

✓ HTTP/1.1 404 Not Found\r\n

      ✓ [Expert Info (Chat/Sequence): HTTP/1.1 404 Not Found\r\n]
             [HTTP/1.1 404 Not Found\r\n]
             [Severity level: Chat]
             [Group: Sequence]
         Response Version: HTTP/1.1
         Status Code: 404
         [Status Code Description: Not Found]
         Response Phrase: Not Found
      Content-Type: text/html\r\n

✓ Content-Length: 0\r\n

         [Content length: 0]
      \r\n
      [HTTP response 1/1]
      [Time since request: 0.002641000 seconds]
      [Request in frame: 5]
      [Request URI: http://127.0.0.1:8080/someFile1212.html]
```

```
0000 02 00 00 045 00 00 6e 89 a1 40 00 80 06 00 00 00 001 7f 00 00 01 7f 00 00 01 1f 90 d1 86 da 56 10 8e 0020 dc 1e bc df 50 18 27 f7 ae c2 00 00 48 54 54 50 0030 2f 31 2e 31 20 34 30 34 20 4e 6f 74 20 46 6f 75 0040 6e 64 0d 0a 43 6f 6e 74 65 6e 74 2d 54 79 70 65 0050 3a 20 74 65 78 74 2f 68 74 6d 6c 0d 0a 43 6f 6e : 0060 74 65 6e 74 2d 4c 65 6e 67 74 68 3a 20 30 0d 0a 0070 0d 0a
```

7)OPTIONS:

http	http								
No.	Time	Source	Destination	Protocol	Length	Info			
-	6 2.594537	127.0.0.1	127.0.0.1	HTTP	314	OPTIONS / HTTP/1.1			
4	8 2.602234	127.0.0.1	127.0.0.1	HTTP	196	HTTP/1.1 200 OK			

```
> Frame 8: 196 bytes on wire (1568 bits), 156 bytes captured (1248 bits) on interface \Device\NPF_Loopback, id 0
> Null/Loopback
> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
> Transmission Control Protocol, Src Port: 8080, Dst Port: 61176, Seq: 1, Ack: 231, Len: 112
  Hypertext Transfer Protocol

✓ HTTP/1.1 200 OK\r\n

      ✓ [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
             [HTTP/1.1 200 OK\r\n]
             [Severity level: Chat]
             [Group: Sequence]
          Response Version: HTTP/1.1
          Status Code: 200
          [Status Code Description: OK]
          Response Phrase: OK
      Allow: OPTIONS, GET, HEAD, PUT, DELETE, TRACE\n
      Content-Type: message/http\r\n
   ✓ Content-Length: 0\r\n
          [Content length: 0]
      [HTTP response 1/1]
      [Time since request: 0.007697000 seconds]
      [Request in frame: 6]
      [Request URI: http://127.0.0.1:8080/]
```

```
02 00 00 00 45 00 00 98
7f 00 00 01 7f 00 00 01
                                      84 c0 40 00 80 06 00 00
1f 90 ee f8 14 86 7f 32
0000
0010
       38 a0 28 fc 50 18 27 f9
                                      01 3d 00 00 48 54 54 50
0020
0030
          31 2e 31 20 32 30 30
                                      20 4f 4b 0d 0a 41 6c 6c
                                      4f 4e 53 2c 20 47 45 54
50 55 54 2c 20 44 45 4c
       6f 77 3a 20 4f 50 54 49
0040
          20 48 45 41 44 2c 20
54 45 2c 20 54 52 41
0050
       2c
0060
                                      43 45 0a 43 6f 6e 74 65
       45
       6e 74 2d 54 79 70 65 3a
0070
                                      20 6d 65 73 73 61 67 65
       2f 68 74 74 70 0d 0a 43
                                      6f 6e 74 65 6e 74 2d 4c
0080
0090
       65 6e 67 74 68 3a 20 30
                                      0d 0a 0d 0a
```

8)PUT - Update Existing File:

http	, http										
No.	Time	Source	Destination	Protocol	Length	Info					
+	6 1.427199	127.0.0.1	127.0.0.1	HTTP	406	PUT /testFile.html HTTP/1.1	(text/plain)				
+	8 1.430443	127.0.0.1	127.0.0.1	HTTP	148	HTTP/1.1 200 OK					

```
Frame 8: 148 bytes on wire (1184 bits), 108 bytes captured (864 bits) on interface \Device\NPF_Loopback, id 0
> Null/Loopback
> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  Transmission Control Protocol, Src Port: 8080, Dst Port: 53638, Seq: 1, Ack: 323, Len: 64

▼ Hypertext Transfer Protocol

✓ HTTP/1.1 200 OK\r\n

      ✓ [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
             [HTTP/1.1 200 OK\r\n]
             [Severity level: Chat]
             [Group: Sequence]
         Response Version: HTTP/1.1
         Status Code: 200
         [Status Code Description: OK]
         Response Phrase: OK
      Content-Type: text/html\r\n

✓ Content-Length: 0\r\n

         [Content length: 0]
      \r\n
      [HTTP response 1/1]
      [Time since request: 0.003244000 seconds]
      [Request in frame: 6]
      [Request URI: http://127.0.0.1:8080/testFile.html]
```

```
0000
     02 00 00 00 45 00 00 68
                              88 45 40 00 80 06 00 00
                              1f 90 d1 86 da 56 10 0e
     7f 00 00 01 7f 00 00 01
0010
     dc 1e ba fb 50 18 27 f9
                              bd b9 00 00 48 54 54 50
0020
     2f 31 2e 31 20 20 32 30
                              30 20 4f 4b 0d 0a 43 6f
0030
     6e 74 65 6e 74 2d 54 79
                              70 65 3a 20 74 65 78 74
0050 2f 68 74 6d 6c 0d 0a 43 6f 6e 74 65 6e 74 2d 4c
0060 65 6e 67 74 68 3a 20 30 0d 0a 0d 0a
```

9)PUT - New File:

http	http										
No.	Time	Source	Destination	Protocol	Length	Info					
-	5 0.806750	127.0.0.1	127.0.0.1	HTTP	393	PUT /testFile.html HTTP/1.1 (text/plain)					
4	7 0.814107	127.0.0.1	127.0.0.1	HTTP	153	HTTP/1.1 201 Created					

```
> Frame 7: 153 bytes on wire (1224 bits), 113 bytes captured (904 bits) on interface \Device\NPF Loopback, id 0
> Null/Loopback
> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
> Transmission Control Protocol, Src Port: 8080, Dst Port: 61176, Seq: 1, Ack: 311, Len: 69

▼ Hypertext Transfer Protocol

✓ HTTP/1.1 201 Created\r\n

       [Expert Info (Chat/Sequence): HTTP/1.1 201 Created\r\n]
              [HTTP/1.1 201 Created\r\n]
              [Severity level: Chat]
              [Group: Sequence]
          Response Version: HTTP/1.1
          Status Code: 201
          [Status Code Description: Created]
          Response Phrase: Created
      Content-Type: text/html\r\n

✓ Content-Length: 0\r\n

          [Content length: 0]
      [HTTP response 1/1]
      [Time since request: 0.007357000 seconds]
      [Request in frame: 5]
      [Request URI: http://127.0.0.1:8080/testFile.html]
```

```
0000
      02 00 00 00 45 00 00 6d
7f 00 00 01 7f 00 00 01
                                   86 6a 40 00 80 06 00 00
1f 90 ee f8 14 86 7f a2
0010
0020
      38 a0 2a 31 50 18 27 f8
                                   06 cc 00 00 48 54 54 50
                                   31 20 43 72 65 61 74 65
      2f 31 2e 31 20 20 32 30
0030
      64 0d 0a 43 6f 6e 74 65
                                   6e 74 2d 54 79 70 65 3a
0040
      20 74 65 78 74 2f 68 74
                                   6d 6c 0d 0a 43 6f 6e 74
0060
      65 6e 74 2d 4c 65 6e 67 74 68 3a 20 30 0d 0a 0d
0070
      0a
```

10)TRACE:

http	http									
No.	Time	Source	Destination	Protocol	Length	Info				
-	114 45.913412	127.0.0.1	127.0.0.1	HTTP	164	TRACE / HTTP/1.1				
4-	116 45.916017	127.0.0.1	127.0.0.1	HTTP	231	HTTP/1.1 200 OK (message/http)				

```
Frame 116: 231 bytes on wire (1848 bits), 191 bytes captured (1528 bits) on interface \Device\NPF_Loopback, id 0
> Null/Loopback
> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  Transmission Control Protocol, Src Port: 8080, Dst Port: 53842, Seq: 1, Ack: 81, Len: 147

▼ Hypertext Transfer Protocol

✓ HTTP/1.1 200 OK\r\n

       ✓ [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
             [HTTP/1.1 200 OK\r\n]
             [Severity level: Chat]
             [Group: Sequence]
          Response Version: HTTP/1.1
         Status Code: 200
         [Status Code Description: OK]
         Response Phrase: OK
      Content-Type: message/http\r\n

✓ Content-Length: 80\r\n

         [Content length: 80]
      \r\n
      [HTTP response 1/1]
      [Time since request: 0.002605000 seconds]
      [Request in frame: 114]
      [Request URI: http://127.0.0.1:8080/]
      File Data: 80 bytes
> Media Type: message/http
```

```
02 00 00 00 45 00 00 bb
7f 00 00 01 7f 00 00 01
                                           8d e0 40 00 80 06 00 00
1f 90 d2 52 09 c1 f0 cf
0000
0010
0020
        03 f8 9a ca 50 18 27 f9
                                           99 1e 00 00 48 54 54 50
        2f 31 2e 31 20 32 30 30 74 65 6e 74 2d 54 79 70
                                           20 4f 4b 0d 0a 43 6f 6e
0030
        74 65 6e 74 2d 54 79 70
67 65 2f 68 74 74 70 0d
0040
                                           65 3a 20 6d 65
                                                                 73 73 61
0050
                                           0a 43 6f 6e 74 65 6e 74
        2d 4c 65 6e 67 74 68 3a 52 41 43 45 20 2f 20 48
                                           20 38 30 0d 0a 0d 0a 54
54 54 50 2f 31 2e 31 0d
0060
0070
                                           32 37 2e 30 2e 30 2e 31
0080
        0a 48 6f 73 74 3a 20 31
                                           73 65 72 2d 41 67 65 6e
0090
        3a 38 30 38 30 0d 0a 55
        74 3a 20 63 75 72 6c 2f
41 63 63 65 70 74 3a 20
                                           37 2e 35 35 2e 31 0d 0a
2a 2f 2a 0d 0a 0d 0a
00a0
00b0
```

11)PATCH – Not Implemented:

http	http									
No.	Time	Source	Destination	Protocol	Length	Info				
-	4 0.000679	127.0.0.1	127.0.0.1	HTTP	331	PATCH / HTTP/1.1				
4	6 0.002054	127.0.0.1	127.0.0.1	HTTP	160	HTTP/1.1 501 Not Implemented				
		\	······································							
\ En:	C. 100 but	i (1200 bit-) 120	hytes cantured (060 hits) on	intenfere \Decide	-\ NDE -	anhani id o				

[Group: Sequence]
Response Version: HTTP/1.1
Status Code: 501

[Status Code Description: Not Implemented] Response Phrase: Not Implemented

Content-Type: text/html\r\n

✓ Content-Length: 0\r\n

[Content length: 0]

\r\n

[HTTP response 1/1]

[Time since request: 0.001375000 seconds]

[Request in frame: 4]

[Request URI: http://127.0.0.1:8080/]

```
02 00 00 00 45 00 00 74
                               8e af 40 00 80 06 00 00
0000
     7f 00 00 01 7f 00 00 01
                               1f 90 d2 69 90 88 4e 2a
0010
0020
     81 7e 1b 72 50 18 27 f9
                               78 dc 00 00 48 54 54 50
      2f 31 2e 31 20 35 30 31
                               20 4e 6f 74 20 49 6d 70
0030
0040
      6c 65 6d 65 6e 74 65 64
                               0d 0a 43 6f 6e 74 65 6e
     74 2d 54 79 70 65 3a 20
                               74 65 78 74 2f 68 74 6d
0050
      6c 0d 0a 43 6f 6e 74 65
                               6e 74 2d 4c 65 6e 67 74
0060
      68 3a 20 30 0d 0a 0d 0a
0070
```