## מסמך תיאור אפליקציית השרת

#### מגישים:

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במסמך זה נראה את אופן הפעולות והתשובות הצפויות לבקשות הנתמכות ע"י השרת שכתבנו, נראה את ההדפסה בקונסול, הקבצים הרלוונטיים (לדוגמא בבקשת GET) ובבקשות הרלוונטיות נראה את ההדפסה בקונסול, הקבצים הרלוונטיים (לדוגמא בבקשת Postman) נראה כיצד בדקנו את הבקשה בעזרת

## **Options**

## Message in console:

HTTP Server: Sent: 149\149 bytes of "HTTP/1.1 204 No Content

Server: HTTP Web Server Content-Type: text/html

Allow: OPTIONS, GET, HEAD, POST, PUT, DELETE, TRACE

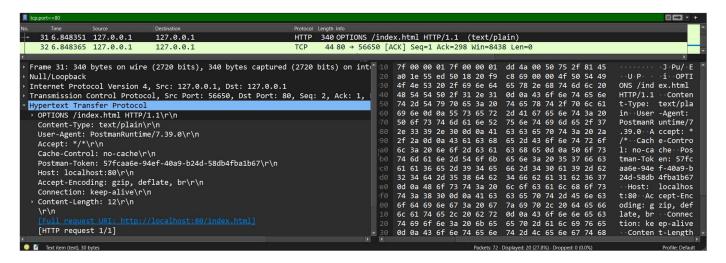
Content-Length: 0

## **Verification in postman:**

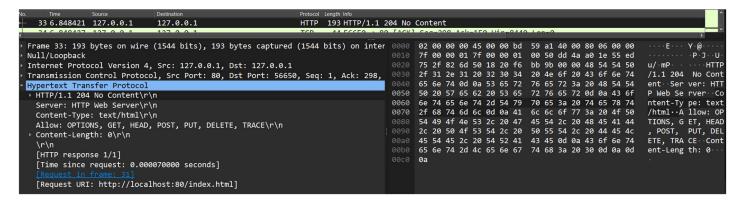


#### **WIRESHARK**

## **Options request:**



## **Options Response:**



# Get (example on English html file):

## Message in console:

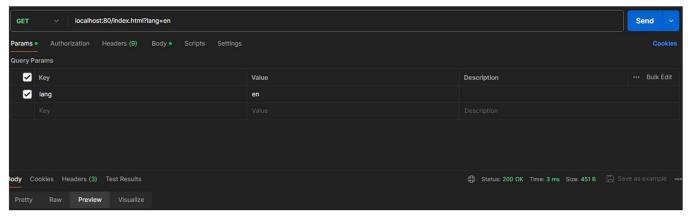
HTTP Server: Client 127.0.0.1:56791 is connected.

HTTP Server: Sent: 451\451 bytes of "HTTP/1.1 200 OK

Server: HTTP Web Server Content-Type: text/html

Content-Length: 361

## **Verification in postman:**



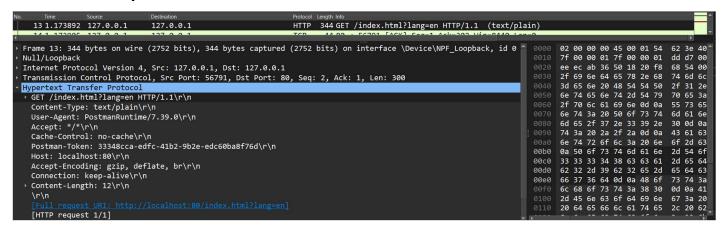
#### Ziv and Tamir HTML page!

#### Task 3 - Computer communication

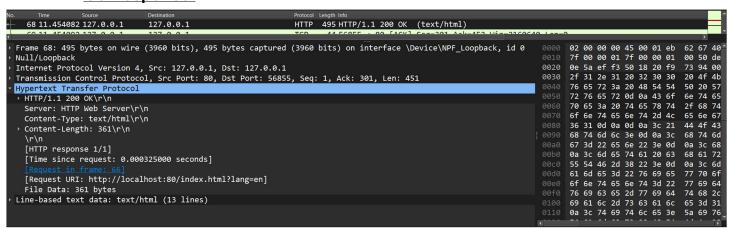
This is a sample HTML file served by our custom HTTP server.

## **WIRESHARK**

#### **Get request:**



## **Get response:**



## **Head (example on French html file):**

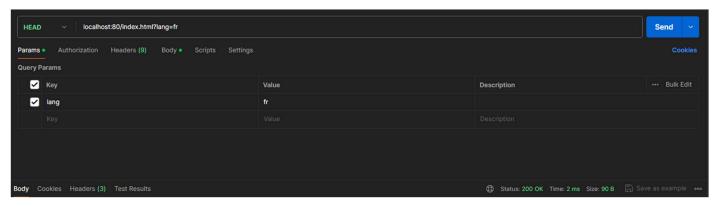
## Message in console:

HTTP Server: Sent: 90\90 bytes of "HTTP/1.1 200 OK

Server: HTTP Web Server Content-Type: text/html

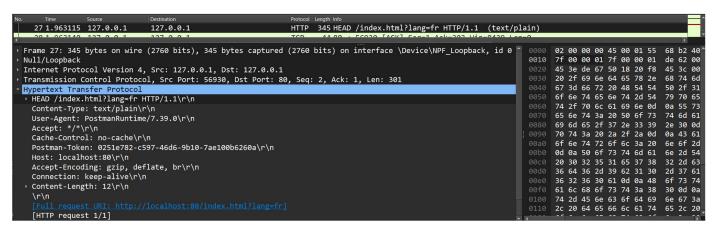
Content-Length: 390

## **Verification in postman:**

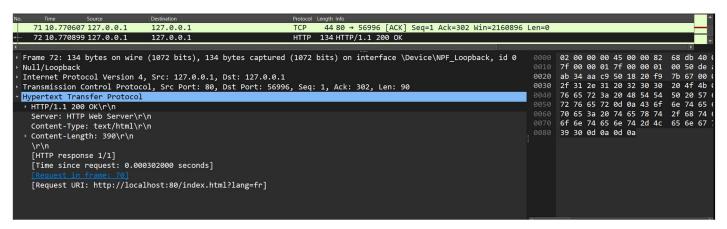


#### **WIRESHARK:**

### **Head request:**



#### **Head response:**



## Post:

### Message in console:

HTTP Server: Client 127.0.0.1:58226 is connected.

Content length: 15 bytes

File Contents: Today is Sunday

HTTP Server: Sent: 93\93 bytes of "HTTP/1.1 201 Created

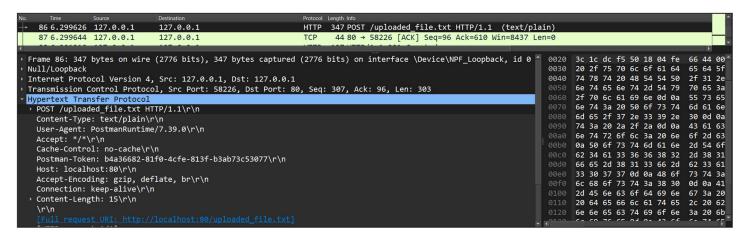
Server: HTTP Web Server Content-Type: text/html

### **Verification in postman:**

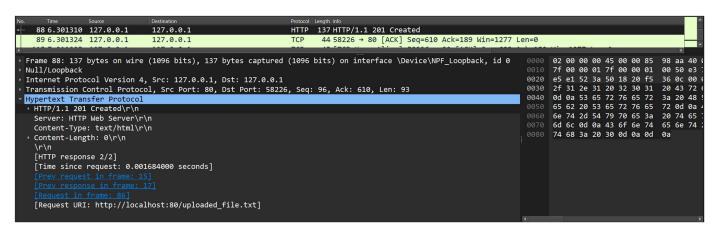


#### **WIRESHARK:**

### **Post request:**



### Post response:

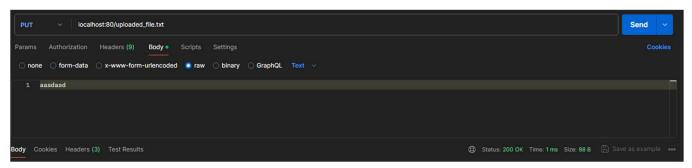


## Put:

## Message in console:

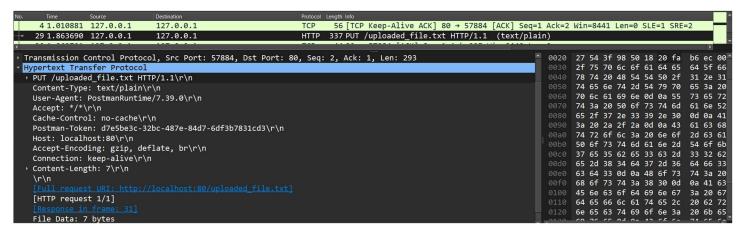
```
HTTP Server: PUT request handled successfully. File created/modified: C:/temp/uploaded_file.txt
HTTP Server: Sent: 88\88 bytes of "HTTP/1.1 200 OK
Server: HTTP Web Server
Content-Type: text/html
Content-Length: 0
```

## Verification in postman:

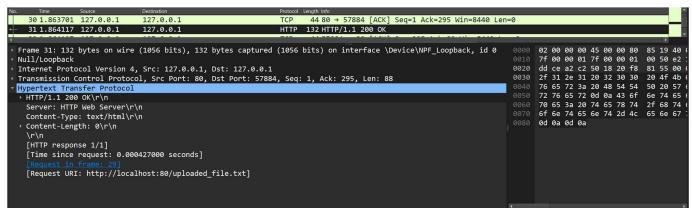


#### **WIRESHARK**

## Put request:



## Put response:



#### Delete:

## Message in console:

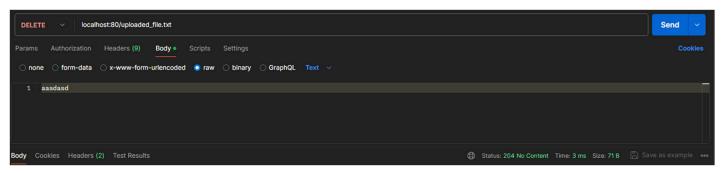
HTTP Server: Client 127.0.0.1:57998 is connected.

HTTP Server: DELETE request handled successfully. File deleted: C:/temp/uploaded\_file.txt

HTTP Server: Sent: 71\71 bytes of "HTTP/1.1 204 No Content

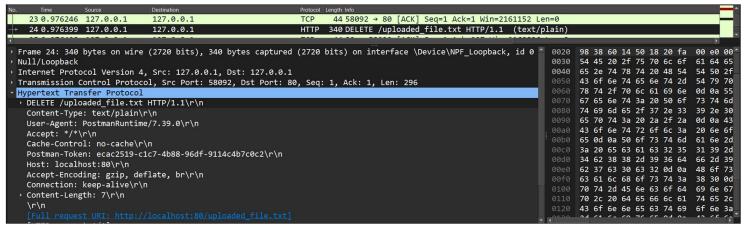
Server: HTTP Web Server Content-Length: 0

## **Verification in postman:**

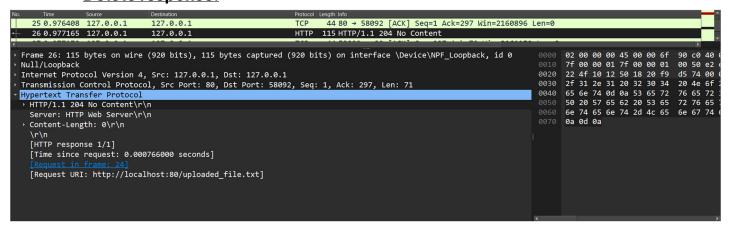


#### **WIRESHARK:**

#### **Delete request:**



#### **Delete response:**



## **Trace:**

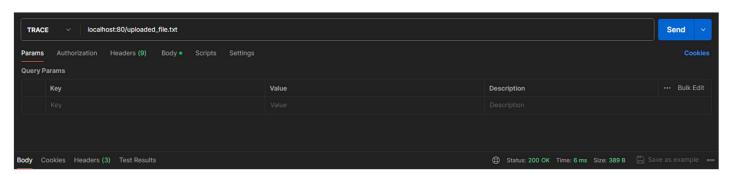
## **Console message:**

HTTP Server: Client 127.0.0.1:58131 is connected.
HTTP Server: Sent: 389\389 bytes of "HTTP/1.1 200 OK
Server: HTTP Web Server
Content-Type: message/http
Content-Length: 296

TRACE /uploaded\_file.txt HTTP/1.1
Content-Type: text/plain
User-Agent: PostmanRuntime/7.39.0
Accept: \*/\*
Cache-Control: no-cache
Postman-Token: 1c14909e-cee5-46f6-958c-0ca45968bef9
Host: localhost:80
Accept-Encoding: gzip, deflate, br
Connection: keep-alive

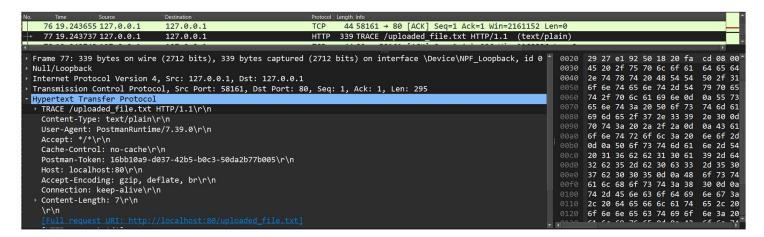
## **Verification in postman:**

Content-Length: 7

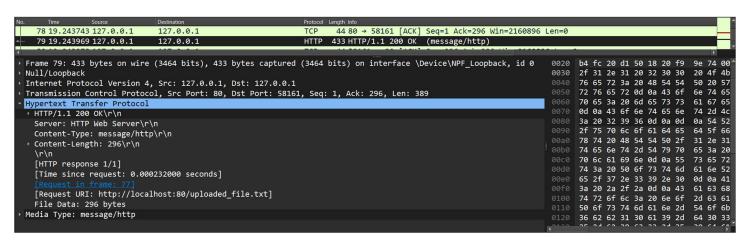


#### **WIRESHARK:**

### **Trace request:**



### **Trace response:**



### **Not Allowed response:**

#### Console:

HTTP Server: Client 127.0.0.1:58205 is connected.

HTTP Server: Sent: 177\177 bytes of "HTTP/1.1 405 Method Not Allowed

Server: HTTP Web Server Content-Type: text/html

Allow: OPTIONS, GET, HEAD, POST, PUT, DELETE, TRACE

Content-Length: 0 Connection: Closed

## Server response in Wireshark:

