

מסמך תיעוד

OPTION

postman

OPTIONS

http://localhost:{{port}} /

Send

Params

Authorization

Headers (7)

Body

Scripts

Tests

Settings

Cookies

<input checked="" type="checkbox"/>	User-Agent	PostmanRuntime/7.43.0	
<input checked="" type="checkbox"/>	Accept	*/*	
<input checked="" type="checkbox"/>	Accept-Encoding	gzip, deflate, br	
<input checked="" type="checkbox"/>	Connection	keep-alive	
	Key	Value	Description

3000

Cookies

Headers (5)

Test Results

204 No Content

5 ms

173 B

Save Response

Key	Value
Content-Type	text/html
Allow-methods	OPTIONS, POST, PUT, TRACE
Server	My HTTP Web Server
Date	Sat Jan 18 12:07:42 2025
Content-Length	0

Console

```
[INFO] Response sent on socket 216:
- Bytes Sent      : 173/173
- Response Content:

HTTP/1.1 204 No Content
Content-Type: text/html
Allow-methods: OPTIONS, POST, PUT, TRACE
Server: My HTTP Web Server
Date: Sat Jan 18 12:07:42 2025
Content-Length: 0
```

Wireshark

No.	Time	Source	Destination	Protocol	Length	Info
22	3.458079	127.0.0.1	127.0.0.1	HTTP	272	OPTIONS / HTTP/1.1
24	3.458603	127.0.0.1	127.0.0.1	HTTP	217	HTTP/1.1 204 No Content

> Frame 22: 272 bytes on wire (2176 bits), 272 bytes captured (2176 bits) on interface \Device\NPF_{...} id 0

> Null/Loopback

> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

> Transmission Control Protocol, Src Port: 50382, Dst Port: 80, Seq: 1, Ack: 1, Len: 228

> Hypertext Transfer Protocol

> OPTIONS / HTTP/1.1\r\n

User-Agent: PostmanRuntime/7.43.0\r\n

Accept: */*\r\n

Cache-Control: no-cache\r\n

Postman-Token: d5cdd7f7-61ed-4fe4-b364-9e2d066559ee\r\n

Host: localhost:80\r\n

Accept-Encoding: gzip, deflate, br\r\n

Connection: keep-alive\r\n

\r\n

[Full request URI: http://localhost:80/]

[HTTP request 1/1]

[Response in frame: 24]

0000 02 00 00 00 45 00 01 0c b2 a6 40 00 80 06 00 00@....

0010 7f 00 00 01 7f 00 00 01 c4 ce 00 50 f6 ee 7f 36Postman

0020 2b 57 4c 58 50 18 04 ff be e5 00 00 4f 50 54 49 +MLXP...OPTI

0030 4f 4e 53 20 2f 20 48 54 54 50 2f 31 2e 31 0d 0a QHS / HT TP/1.1

0040 55 73 65 72 2d 41 67 65 6e 74 3a 20 50 6f 73 74 User-Age nt: Post

0050 6d 61 6e 52 75 6e 74 69 6d 65 2f 37 2e 34 33 2e manRunTI me/7.43.

0060 30 0d 0a 41 63 63 65 70 74 3a 20 2a 2f 2a 0d 0a 0 -Accept ti: */*

0070 43 61 63 68 65 2d 43 6f 6e 74 72 6f 6c 3a 20 6e Cache-Co ntrol: n

0080 6f 2d 63 61 63 68 65 0d 0a 50 6f 71 74 6d 61 6e no-cache Postman

0090 2b 57 4c 58 50 18 04 ff be e5 00 00 4f 50 54 49 Token: d5cdd7f7

00a0 2d 36 31 65 64 2d 34 66 65 34 2d 62 33 36 34 2d -61ed-4f e4-b364-

00b0 39 65 37 64 70 7c 36 35 35 39 65 65 0d 0a 48 6f 9e2d0665 59ee-fo

00c0 73 74 3a 20 6c 6f 63 61 6c 68 6f 73 74 3a 30 30 st: local host:80

00d0 0d 0a 41 63 63 65 70 74 2d 45 6e 63 6f 64 69 6e -Accept -Encodin

00e0 67 3a 20 67 7a 69 70 2c 20 64 65 66 6c 61 74 65 g: gzip, deflate

00f0 2c 20 62 72 0d 0a 43 6f 6e 6e 65 63 74 69 6f 6e , br -Co nnection

0100 3a 20 68 65 65 70 2d 61 6c 69 76 65 0d 0a 0d 0a : keep-a live ...

22	3.450079	127.0.0.1	127.0.0.1	HTTP	272	OPTIONS / HTTP/1.1
24	3.450603	127.0.0.1	127.0.0.1	HTTP	217	HTTP/1.1 204 No Content

> Frame 24: 217 bytes on wire (1736 bits), 217 bytes captured (1736 bits) on interface \Device\NPF_{...} id 0	0000	02 00 00 00 45 00 00 d5 b2 a8 40 00 80 06 00 00@....
> Null/Loopback	0010	7f 00 00 01 7f 00 00 01 00 50 c4 ce 2b 57 4c 58P...wLX
> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1	0020	f6 ee 00 1a 50 18 20 f9 35 7f 00 00 48 54 54 50	...P...5...HTTP
> Transmission Control Protocol, Src Port: 80, Dst Port: 50382, Seq: 1, Ack: 229, Len: 173	0030	2f 31 2e 31 20 32 30 34 20 4e 6f 20 43 6f 6e 74	/1.1 204 No Cont
> Hypertext Transfer Protocol	0040	65 6e 74 0d 0a 43 6f 6e 74 65 6e 74 2d 54 79 70	ent-Content-Typ
> HTTP/1.1 204 No Content\r\n	0050	65 3a 20 74 65 78 74 2f 68 74 6d 6c 0d 0a 41 6c	e: text/ html Al
> Content-Type: text/html\r\n	0060	6c 6f 77 2d 6d 65 74 68 6f 64 73 3a 20 4f 50 54	low-meth ods: OPT
> Allow-methods: OPTIONS, POST, PUT, TRACE\r\n	0070	49 4f 4e 53 2c 20 50 4f 53 54 2c 20 50 55 54 2c	IONS, PO ST, PUT,
> Server: My HTTP Web Server\r\n	0080	20 54 52 41 43 45 0d 0a 53 65 72 76 65 72 3a 20	TRACE Server:
> Date: Sat Jan 18 12:07:42 2025\r\n	0090	4d 79 20 48 54 54 50 20 57 65 62 20 53 65 72 76	My HTTP Web Serv
> Content-Length: 0\r\n	00a0	65 72 0d 0a 44 61 74 65 3a 20 53 61 74 20 4a 61	er-Date : Sat Ja
> \r\n	00b0	6e 20 31 38 20 31 32 3a 30 37 3a 34 32 20 32 30	n 18 12: 07:42 20
> [HTTP response 1/1]	00c0	32 35 0d 0a 43 6f 6e 74 65 6e 74 2d 4c 65 6e 67	25: Cont ent-Leng
> [Time since request: 0.000524000 seconds]	00d0	74 68 3a 20 30 0d 0a 0d 0a	th: 0...
> [Request in frame: 22]			
> [Request URI: http://localhost:80/]			

GET

Postman

GET

http://localhost:{{port}}/page.html

Send

Params

Authorization

Headers (7)

Body

Scripts

Tests

Settings

Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
--	-----	-------	-------------	-----	-----------

Body

Cookies

Headers (4)

Test Results

200 OK

34 ms

504 B

Save Response

HTML

Preview

Visualize

```

1 <!DOCTYPE html>
2 <html>
3
4 <head>
5   <title>Welcome</title>
6 </head>
7
8 <body>
9   <h1 style="color: #5e9ca0; text-align: center;">Welcome to my first HTTP 1.1 web server</h1>
10   <p>&nbsp;</p>
11   <p style="text-align: center;"><strong>Created by:<br />Niv Levy & Noa Biri</strong></p>
12   <p style="text-align: center;">
13
14   </p>
15   <p style="text-align: center;">&nbsp;</p>
16 </body>
17
18 </html>

```

Console

```

[INFO] Response sent on socket 308:
- Bytes Sent : 504/504
- Response Content:

HTTP/1.1 200 OK
Content-Type: text/html
Server: My HTTP Web Server
Date: Sat Jan 18 12:12:45 2025
Content-Length: 379

<!DOCTYPE html>
<html>
<head>
  <title>Welcome</title>
</head>
<body>
  <h1 style="color: #5e9ca0; text-align: center;">Welcome to my first HTTP 1.1 web server</h1>
  <p>&nbsp;</p>
  <p style="text-align: center;"><strong>Created by:<br />Niv Levy & Noa Biri</strong></p>
  <p style="text-align: center;">
  </p>
  <p style="text-align: center;">&nbsp;</p>
</body>
</html>

```

Wireshark

No.	Time	Source	Destination	Protocol	Length	Info
19	2.238256	:::1	:::1	TCP	76	50455 → 80 [SYN] Seq=0 Win=65535 Len=0 MSS=65475 WS=256 SACK_PERM
20	2.238278	:::1	:::1	TCP	64	80 → 50455 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
21	2.239156	127.0.0.1	127.0.0.1	TCP	56	50456 → 80 [SYN] Seq=0 Win=65535 Len=0 MSS=65495 WS=256 SACK_PERM
22	2.239235	127.0.0.1	127.0.0.1	TCP	56	80 → 50456 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=65495 WS=256 SACK_PERM
23	2.239259	127.0.0.1	127.0.0.1	TCP	44	50456 → 80 [ACK] Seq=1 Ack=1 Win=327424 Len=0
24	2.239820	127.0.0.1	127.0.0.1	HTTP	277	GET /page.html HTTP/1.1
25	2.239842	127.0.0.1	127.0.0.1	TCP	44	80 → 50456 [ACK] Seq=1 Ack=234 Win=2160896 Len=0
26	2.240386	127.0.0.1	127.0.0.1	HTTP	548	HTTP/1.1 200 OK (text/html)
27	2.240413	127.0.0.1	127.0.0.1	TCP	44	50456 → 80 [ACK] Seq=234 Ack=505 Win=326912 Len=0
28	2.270626	127.0.0.1	127.0.0.1	TCP	45	[TCP Keep-Alive] 50301 → 80 [ACK] Seq=1 Ack=1 Win=1275 Len=1
29	2.270756	127.0.0.1	127.0.0.1	TCP	56	[TCP Keep-Alive] 80 → 50301 [ACK] Seq=1 Ack=2 Win=8440 Len=0 SLE=1 SRE=2
30	2.440168	127.0.0.1	127.0.0.1	TCP	45	[TCP Keep-Alive] 50382 → 80 [ACK] Seq=1 Ack=1 Win=1278 Len=1

> Frame 24: 277 bytes on wire (2216 bits), 277 bytes captured (2216 bits) on interface \Device\NPF_{...} id 0

> Null/Loopback

> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

> Transmission Control Protocol, Src Port: 50456, Dst Port: 80, Seq: 1, Ack: 1, Len: 233

> Hypertext Transfer Protocol

> GET /page.html HTTP/1.1\r\n

User-Agent: PostmanRuntime/7.43.0\r\n

Accept: */*\r\n

Cache-Control: no-cache\r\n

Postman-Token: 725ddf1-bd78-4e80-a3c2-f89cbfc6badd\r\n

Host: localhost:80\r\n

Accept-Encoding: gzip, deflate, br\r\n

Connection: keep-alive\r\n

\r\n

[Full request URI: http://localhost:80/page.html]

[HTTP request 1/1]

[Response in frame: 26]

0000 02 00 00 00 45 00 01 11 ba 68 40 00 06 00 00h@....

0010 7f 00 00 01 7f 00 00 01 c5 18 00 50 1c 74 19 f2P.t...

0020 99 af 4e f2 50 18 04 ff e5 24 00 00 47 45 54 20 ...N.P...\$.GET

0030 2f 70 61 67 65 2e 68 74 6d 6c 20 48 54 50 2f /page.ht ml HTTP/

0040 31 2e 31 0d 0a 55 73 65 72 2d 41 67 65 6e 74 3a 1.1 Use r-Agent:

0050 20 50 6f 73 74 6d 61 6e 52 75 6e 74 69 6d 65 2f Postman Runtime/

0060 37 2e 34 33 2e 30 0d 0a 41 63 63 65 70 74 3a 20 7.43.0- Accept:

0070 2a 2f 2a 0d 0a 43 61 63 68 65 2d 43 6f 6e 74 72 */* Cac he-Contr

0080 6f 6c 3a 20 6e 6f 2d 63 61 63 68 65 0d 0a 50 6f ol: no-c ache Po

0090 73 74 6d 61 6e 2d 54 6f 6b 65 6e 3a 20 37 32 35 stman-To ken: 725

00a0 64 64 66 65 31 2d 62 64 37 38 2d 34 65 38 30 2d ddf1-bd 78-4e80-

00b0 61 33 63 32 2d 66 38 39 63 62 66 63 36 62 61 64 a3c2-f89 cbfc6bad

00c0 64 0d 0a 48 6f 73 74 3a 20 6c 6f 63 61 6c 6e 6f d -Host: localho

00d0 73 74 3a 38 30 0d 0a 41 63 63 65 70 74 2d 45 6e st:80 -A ccept-En

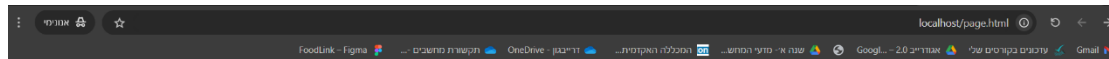
00e0 63 6f 64 69 6e 67 3a 20 67 7a 69 70 2c 20 64 65 coding: gzip, de

00f0 66 6c 61 74 65 2c 20 62 72 0d 0a 43 6f 6e 6e 65 flate, b r -Conne

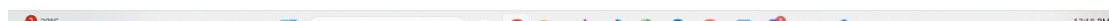
0100 63 74 69 6f 6e 3a 20 6b 65 65 70 2d 61 6c 69 76 ction: k eep-aliv

0110 65 0d 0a 0d 0a e.....

Chrome

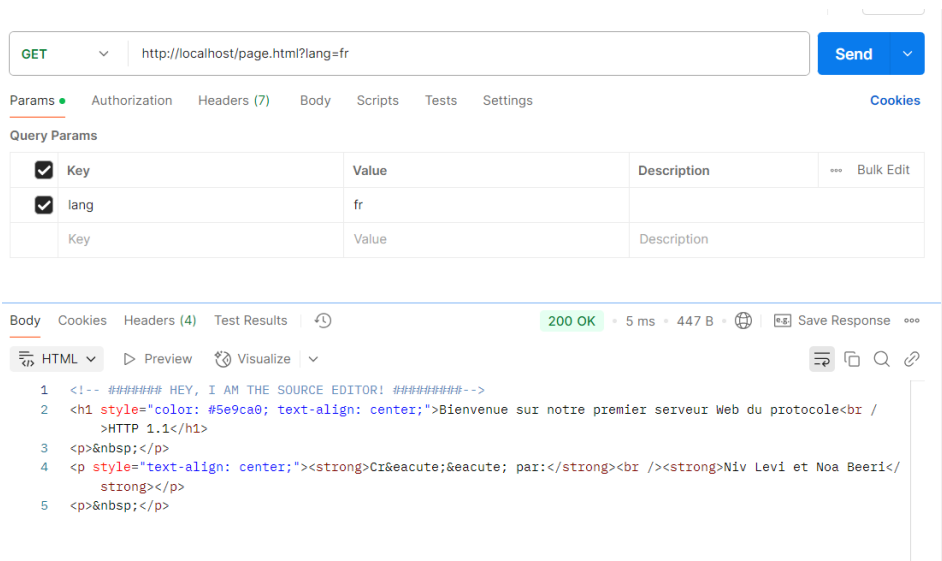


Welcome to my first HTTP 1.1 web server

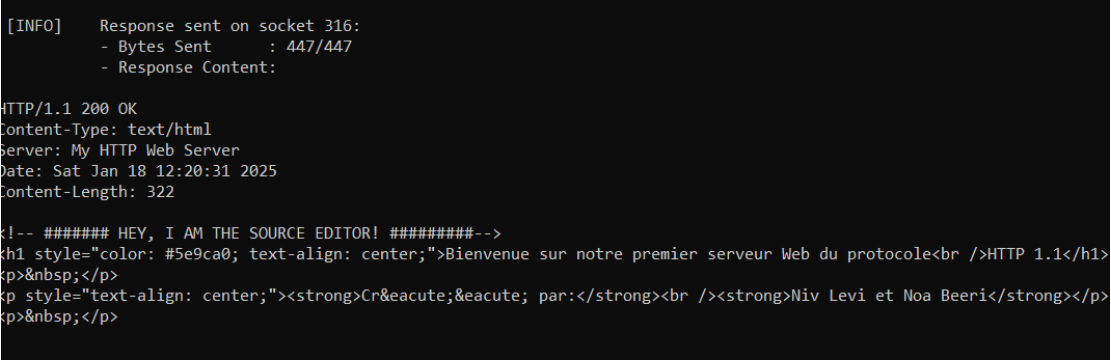


GET-fr

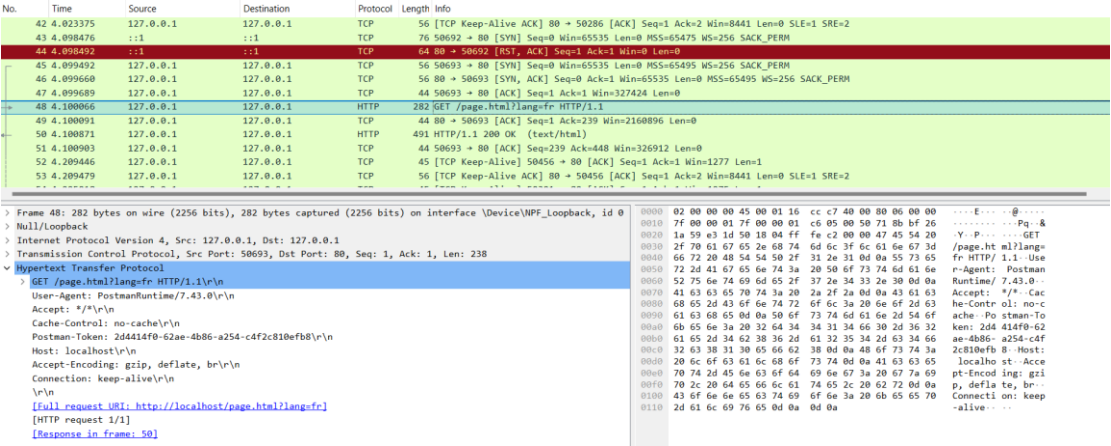
Postman



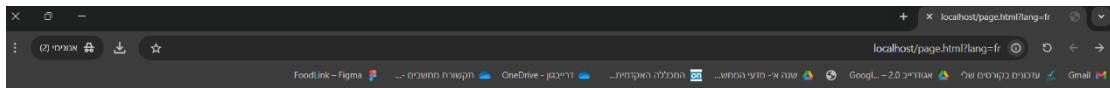
Console



Wireshark



Chrome



Bienvenue sur notre premier serveur Web du protocole
HTTP 1.1

HEAD

Postman

HEAD [Send](#)

Params Authorization Headers (7) Body Scripts Tests Settings [Cookies](#)

Query Params

Key	Value	Description	...	Bulk Edit
Content-Type	text/html			
Server	My HTTP Web Server			
Date	Sat Jan 18 12:28:41 2025			
Content-Length	379			

Body Cookies [Headers \(4\)](#) Test Results [200 OK](#) 12 ms 125 B [Save Response](#)

Key	Value
Content-Type	text/html
Server	My HTTP Web Server
Date	Sat Jan 18 12:28:41 2025
Content-Length	379

Console

```
[INFO] Response sent on socket 232:
- Bytes Sent      : 125/125
- Response Content:

HTTP/1.1 200 OK
Content-Type: text/html
Server: My HTTP Web Server
Date: Sat Jan 18 12:28:41 2025
Content-Length: 379
```

Wireshark

No.	Time	Source	Destination	Protocol	Length	Info
14	8.373957	127.0.0.1	127.0.0.1	HTTP	278	HEAD /page.html HTTP/1.1
16	8.379296	127.0.0.1	127.0.0.1	HTTP	169	HTTP/1.1 200 OK

> Frame 14: 278 bytes on wire (2224 bits), 278 bytes captured (2224 bits) on interface \Device\NPF_{...} id 0

> Null/Loopback

> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

> Transmission Control Protocol, Src Port: 50861, Dst Port: 80, Seq: 1, Ack: 1, Len: 234

> Hypertext Transfer Protocol

> HEAD /page.html HTTP/1.1\r\n

User-Agent: PostmanRuntime/7.43.0\r\n

Accept: */*\r\n

Cache-Control: no-cache\r\n

Postman-Token: 0e8d7c8b-4c9f-49d8-8a76-48e443eb7e67\r\n

Host: localhost:80\r\n

Accept-Encoding: gzip, deflate, br\r\n

Connection: keep-alive\r\n

\r\n

[Full request URI: http://localhost:80/page.html]

Full request URI: http://localhost:80/page.html

0000 02 00 00 00 45 00 01 12 e2 fb 40 00 80 06 00 00E....@.....

0010 7f 00 00 01 7f 00 00 01 c5 ad 00 50 9a 32 f6 15P.2....

0020 25 a0 ed 1a 50 18 20 fa f3 b7 00 00 48 45 41 44 %..P..HEAD

0030 20 2f 70 61 67 65 2e 68 74 6d 6c 20 48 54 50 50 /page.html HTTP

0040 2f 31 2e 31 0d 0a 55 73 65 72 20 41 67 65 6e 74 /1.1 User-Agent

0050 3a 20 50 6f 73 74 6d 61 6e 52 75 6e 74 69 6d 65 : PostmanRuntime

0060 2f 37 2e 34 33 2e 30 0d 0a 41 63 63 65 70 74 3a /7.43.0 Accept:

0070 20 2a 2f 2a 0d 0a 43 61 63 68 65 2d 43 6f 6e 74 */* Cache-Control

0080 72 6f 6c 3a 20 6e 6f 2d 63 61 63 68 65 0d 0a 50 roll: no-cache-P

0090 6f 73 74 6d 61 6e 2d 54 6f 6b 65 6e 3a 20 38 65 ostman-Token: 0e

00a0 38 64 37 63 38 62 2d 34 63 39 66 2d 34 39 64 38 8d7c8b-4c9f-49d8

00b0 2d 38 61 37 36 2d 34 38 65 34 34 33 65 62 37 65 -8a76-48e443eb7e

00c0 36 37 0d 0a 48 6f 73 74 3a 20 6c 6f 63 61 6c 68 67 Host: localhost

00d0 6f 73 74 3a 38 30 0d 0a 41 63 63 65 70 74 2d 45 ost:80 Accept-E

00e0 6e 63 6f 64 69 6e 67 3a 20 67 7a 69 70 2c 20 64 ncoding: gzip, d

00f0 65 66 6c 61 74 65 2c 20 62 72 0d 0a 43 6f 6e 6e eflate, br Conn

0100 65 63 74 69 6f 6e 3a 20 6b 65 65 70 2d 61 6c 69 action: keep-al

0110 76 65 0d 0a 0d 0a

No.	Time	Source	Destination	Protocol	Length	Info
14	8.373957	127.0.0.1	127.0.0.1	HTTP	278	HEAD /page.html HTTP/1.1
16	8.379296	127.0.0.1	127.0.0.1	HTTP	169	HTTP/1.1 200 OK

> Frame 16: 169 bytes on wire (1352 bits), 169 bytes captured (1352 bits) on interface \Device\NPF_{...} id 0

> Null/Loopback

> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

> Transmission Control Protocol, Src Port: 80, Dst Port: 50861, Seq: 1, Ack: 235, Len: 125

> Hypertext Transfer Protocol

> HTTP/1.1 200 OK\r\n

Content-Type: text/html\r\n

Server: My HTTP Web Server\r\n

Date: Sat Jan 18 12:28:41 2025\r\n

Content-Length: 379\r\n

\r\n

[HTTP response 1/1]

[Time since request: 0.005339000 seconds]

[Request in frame: 14]

[Request URI: http://localhost:80/page.html]

0000 02 00 00 00 45 00 00 a5 e2 fd 40 00 80 06 00 00E....@.....

0010 7f 00 00 01 7f 00 00 01 00 50 c6 ad 25 a0 ed 1aP.%....

0020 9a 32 f6 ff 50 18 20 f9 45 df 00 00 48 54 50 50 2..P..E...HTTP

0030 2f 31 2e 31 20 32 30 38 20 4f 4b 0d 0a 43 6f 6e /1.1 200 OK Con

0040 74 65 6e 74 2d 54 79 70 65 3a 20 74 65 78 74 2f tent-Type e: text/

0050 68 74 6d 6c 0d 0a 53 65 72 76 65 72 3a 20 4d 79 html Server: My

0060 20 48 54 50 20 57 65 62 20 53 65 72 76 65 72 HTTP Web Server

0070 0d 0a 44 61 74 65 3a 20 53 61 74 30 4a 61 6e 20 Date: Sat Jan

0080 31 38 20 31 32 3a 32 38 3a 34 31 20 32 30 32 35 18 12:28:41 2025

0090 0d 0a 43 6f 6e 74 65 6e 74 2d 4c 65 6e 67 74 68 Content-Length

00a0 3a 20 33 27 29 0d 0a 0d 0a 379.....

POST

Postman

my http server check collection / post-json

Save Share

POST http://localhost:{{port}}/en/data.json

Send

Params Authorization Headers (10) Body Scripts Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

1 {
2 "name": "HTTP Server Test",
3 "description": "This is a test for application/json POST requests.",
4 "timestamp": "2025-01-13T12:00:00Z"
5 }

Body Cookies Headers (4) Test Results 201 Created 5 ms 523 B Save Response

HTML Preview Visualize

File Created Successfully

The file has been created successfully at /en/data.json.

The Content in the file is "{ \"name\": \"HTTP Server Test\", \"description\": \"This is a test for application/json POST requests.\", \"timestamp\": \"2025-01-13T12:00:00Z\" } \"".

Console

```
Server:server is listening at port 80
[INFO] Response sent on socket 236:
  - Bytes Sent : 523/523
  - Response Content:

HTTP/1.1 201 Created
Content-Type: text/html
Server: My HTTP Web Server
Date: Sat Jan 18 12:32:20 2025
Content-Length: 393

<!DOCTYPE html>
<html>
<head>
<title>File Created</title>
</head>
<body>
<h1>File Created Successfully</h1>
<p>The file has been created successfully at <a>en/data.json</a>.</p>
<p>The Content in the file is "<a>{
  "name": "HTTP Server Test",
  "description": "This is a test for application/json POST requests.",
  "timestamp": "2025-01-13T12:00:00Z"
}"</a>.</p>
</body>
</html>
```

Wireshark

No.	Time	Source	Destination	Protocol	Length	Info
17	28.748761	127.0.0.1	127.0.0.1	HTTP/1.1	486	POST /en/data.json HTTP/1.1, JSON (application/json)
19	28.748312	127.0.0.1	127.0.0.1	HTTP	567	HTTP/1.1 201 Created (text/html)

> Frame 17: 486 bytes on wire (3888 bits), 486 bytes captured (3888 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: 50941, Dst Port: 80, Seq: 1, Ack: 1, Len: 442

> Hypertext Transfer Protocol

> POST /en/data.json HTTP/1.1\r\n

Content-Type: application/json\r\n

User-Agent: PostmanRuntime/7.43.0\r\n

Accept: */*\r\n

Cache-Control: no-cache\r\n

Postman-Token: d1f4c1ba-bca6-4c98-ab43-950126d77c72\r\n

Host: localhost:80\r\n

Accept-Encoding: gzip, deflate, br\r\n

Connection: keep-alive\r\n

Content-Length: 152\r\n

\r\n

[Full request URI: http://localhost:80/en/data.json]

[HTTP request 1/1]

[Response in frame: 19]

File Data: 152 bytes

> JavaScript Object Notation: application/json

0000 02 00 00 00 45 00 01 c2 e4 8f 40 00 80 06 00 00E...@....

0010 7f 00 00 01 7f 00 00 01 c6 fd 00 50 97 ae cd 6bP...k...

0020 2c 3a b1 59 50 18 20 fa 99 49 00 00 50 4f 53 54 ...:Y...:I...POST

0030 20 2f 65 6e 2f 64 61 74 61 2e 6a 73 6f 6e 20 48 .../en/dat a.json H

0040 54 54 50 2f 31 2e 31 0d 0a 43 6f 6e 74 65 6e 74 HTTP/1.1 Content

0050 2d 54 79 70 65 3a 20 61 70 70 6c 69 63 61 74 69 ...-Type: a pplicati

0060 6f 6e 2f 6a 73 6f 6e 0d 0a 55 73 65 72 2d 41 67 on/json -User-Ag

0070 65 6e 74 3a 20 50 6f 73 74 6d 61 6e 52 75 6e 74 ent: Pos tmanRunT

0080 69 6d 65 2f 37 2a 34 33 2a 30 0d 0a 41 63 63 65 ime/7.43.0 -Acce

0090 70 74 3a 20 2a 2f 2a 0d 0a 43 61 63 68 65 2d 43 pt: */* -Cache-C

00a0 6f 6e 74 72 6f 6c 3a 20 6e 6f 2d 63 61 63 68 65 ontrol: no-cache

00b0 0d 0a 50 6f 73 74 6d 61 6e 2d 54 6f 6e 65 6e 3a ...Postma n-Token:

00c0 20 64 31 66 34 63 31 62 61 2d 62 63 61 36 2d 34 d1f4c1b a-bca6-4

00d0 63 39 38 2d 61 62 34 33 2d 39 35 30 31 32 36 64 c98-ab43 -950126d

00e0 37 37 63 37 32 0d 0a 48 6f 73 74 3a 20 6c 6f 63 77c72:-H ost: loc

00f0 61 6c 68 6f 73 74 3a 30 0d 0a 41 63 63 65 70 alhost:8 -Accep

0100 74 2d 45 6e 63 6f 64 69 6e 67 3a 20 67 7a 69 70 t-Encodi ng: gzip

0110 2c 20 64 65 66 6c 61 74 65 2c 20 62 72 0d 0a 13 , deflat e, br : g

0120 61 6e 6a 65 63 74 69 6f 6e 7a 65 6e 7a 2d 4c ...onnection keep

0130 65 6e 67 74 68 3a 20 31 35 32 0d 0a 0d 0a 7b 0d alive, content L

0140 65 6e 67 74 68 3a 20 31 35 32 0d 0a 0d 0a 7b 0d length: 1 52....{

0150 0a 20 20 20 22 6e 61 6d 65 22 3a 20 22 48 54 ..."na me": "HT

0160 54 50 20 53 65 72 76 65 72 20 54 65 73 74 22 2c TP Serve r Test",

0170 0d 0a 20 20 20 22 64 65 73 63 72 69 70 74 69 ..."d escripti

0180 6f 6e 22 3a 20 22 54 68 69 73 20 69 73 20 61 20 on": "Th is is a

0190 74 65 73 74 20 66 6f 72 20 61 70 70 6c 69 63 61 test for applica

01a0 74 69 6f 6e 2f 6a 73 6f 6e 20 50 4f 53 54 20 72 tion/so n POST r

No.	Time	Source	Destination	Protocol	Length	Info
17	28.748761	127.0.0.1	127.0.0.1	HTTP/1.1	486	POST /en/data.json HTTP/1.1, JSON (application/json)
19	28.748312	127.0.0.1	127.0.0.1	HTTP	567	HTTP/1.1 201 Created (text/html)

> Frame 19: 567 bytes on wire (4536 bits), 567 bytes captured (4536 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: 80, Dst Port: 50941, Seq: 1, Ack: 443, Len: 523

> Hypertext Transfer Protocol

> HTTP/1.1 201 Created\r\n

Content-Type: text/html\r\n

Server: My HTTP Web Server\r\n

Date: Sat Jan 18 12:32:20 2025\r\n

Content-Length: 393\r\n

\r\n

[HTTP response 1/1]

[Time since request: 0.007551000 seconds]

[Request in frame: 17]

[Request URI: http://localhost:80/en/data.json]

File Data: 393 bytes

> Line-based text data: text/html (15 lines)

0000 02 00 00 00 45 00 02 33 e4 91 40 00 80 06 00 00E...:3...@....

0010 7f 00 00 01 7f 00 00 01 00 50 c6 fd 00 50 97 ae cd 6bP...k...

0020 97 ae cf 25 50 18 20 f8 03 00 00 00 48 54 54 50 ...:SP...:I...HTTP

0030 2f 31 2e 31 20 32 30 31 20 43 72 65 61 74 65 64 .../1.1 201 Created

0040 0a 43 6f 6e 74 65 6e 74 2d 54 79 70 65 3a 20 ...Content t-type:

0050 74 65 70 74 2f 6d 74 6d 6c 0d 0a 53 65 72 76 65 text/htm l -Serve

0060 72 3a 20 4d 79 20 48 54 54 50 20 57 65 62 20 53 n: My HT TP Web S

0070 65 72 76 65 72 0d 0a 44 61 74 65 3a 20 53 61 74 server: D ate: Sat

0080 20 4a 61 6e 20 31 38 20 11 32 3a 31 32 3a 32 30 Jan 18 12:32:20

0090 20 32 30 32 35 0d 0a 43 6f 6e 74 65 6e 74 2d 4c 2025 -Content-L

00a0 65 6e 67 74 68 3a 20 33 39 33 0d 0a 0d 0a 3c 21 length: 3 93....<l

00b0 44 4f 42 54 59 50 45 20 68 74 6d 6c 3a 0c 68 DOCTYPE html> <h

00c0 74 6d 6c 3a 0a 3c 68 65 61 64 3e 0a 3c 74 69 74 tml> <h e ad> <tit

00d0 6c 65 3e 46 69 6c 65 20 43 72 65 61 74 65 64 3c le>File Created<

00e0 2f 74 69 74 6c 65 3e 0a 3c 2f 68 65 61 64 3e 0a /title> </head>

00f0 3c 62 6f 64 79 3a 0a 3c 68 31 3e 46 69 6c 65 20 <body> < h1>File

0100 43 72 65 61 74 65 64 20 53 75 63 63 65 73 73 66 Created Successf

0110 75 6c 79 3c 2f 68 31 3e 0a 3c 70 3e 54 68 65 ully</h1> <p>The

0120 20 66 69 6c 65 20 68 61 73 20 62 65 65 6e 20 63 File ha s been c

0130 72 65 61 74 65 64 20 73 75 63 63 65 73 73 66 75 reated s uccessfu

0140 6c 79 20 61 74 20 3c 61 3e 2f 65 6e 2f 64 61 lly at < a>/en/da

0150 74 61 2e 6a 73 6f 6e 3c 2f 61 3e 2e 3c 2f 70 3e ta- json/ <a>.</p>

0160 0a 3c 70 3e 54 68 65 20 43 6f 6e 74 65 6e 74 20 <p>The Content

0170 69 6e 20 74 68 65 20 66 69 6c 65 20 69 73 20 22 in the f ile is "

0180 3c 61 3e 70 0d 0a 20 20 20 22 6e 61 6d 65 22 <a>{...

0190 3a 20 22 48 54 54 50 20 53 65 72 76 65 72 20 54 : "HT TP Server T

01a0 65 73 74 22 c0 0a 20 20 20 22 64 65 73 63 est",...

01b0 72 69 70 74 69 6f 6e 22 3a 20 22 54 68 69 73 20 ription": "Th

01c0 69 73 20 61 20 74 65 73 74 20 66 6f 72 20 61 70 is a tes t for ap

01d0 70 6c 69 63 61 74 69 6f 6e 2f 6a 73 6f 6e 20 50 plicatio n/json P

PUT

Postman

PUT

http://localhost: {{port}} /en/data.json

Send

Params

Authorization

Headers (9)

Body

Scripts

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1

{

2

"name": "HTTP Server Test",

3

"description": "lbalblalblalblalblalbla",

4

"timestamp": "now"

5

}

Body

Cookies

Headers (4)

Test Results

200 OK

4 ms

477 B

Save Response

HTML

Preview

Visualize

File Changed Successfully

The file has been changed successfully at /en/data.json.

The Content in the new file is "{ "name": "HTTP Server Test", "description": "lbalblalblalblalblalbla", "timestamp": "now" } ".

Console

```
[INFO] Response sent on socket 248:
- Bytes Sent : 477/477
- Response Content:

HTTP/1.1 200 OK
Content-Type: text/html
Server: My HTTP Web Server
Date: Sat Jan 18 12:39:33 2025
Content-Length: 352

<!DOCTYPE html>
<html>
<head>
<title>File Changed</title>
</head>
<body>
<h1>File Changed Successfully</h1>
<p>The file has been changed successfully at <a>/en/data.json</a>.</p>
<p>The Content in the new file is "<a>{
  "name": "HTTP Server Test",
  "description": "lbalblalblalblalblalbla",
  "timestamp": "now"
}"</a>.</p>
</body>
</html>
```



```

+== 14.1.735509    127.0.0.1        127.0.0.1        HTTP/1.1      440 PUT /en/data.json HTTP/1.1 , JSON (application/json)
+== 16.1.735727    127.0.0.1        127.0.0.1        HTTP          521 HTTP/1.1 200 OK (text/html)

> Frame 14: 440 bytes on wire (3520 bits), 440 bytes captured (3520 bits) on interface \Device\NPF_{...}, id 0
+==> Nulloopback
> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
+==> Transmission Control Protocol, Src Port: 51071, Dst Port: 80, Seq.: 1, Ack.: 1, Len: 396
+==> Hypertext Transfer Protocol
+==> PUT /en/data.json HTTP/1.1\r\n
Content-Type: application/json\r\n
User-Agent: PostmanRuntime/7.43.0\r\n
Accept: */*\r\n
Cache-Control: no-cache\r\n
Postman-Token: 0697d8a7-4a7b-424b-9d51-3898c6ea75d0\r\n
Host: localhost:80\r\n
Accept-Encoding: gzip, deflate, br\r\n
Connection: keep-alive\r\n
Content-Length: 107\r\n
\r\n
[Full request URI] http://localhost:80/en/data.json
[HTTP request 1/1]
[Response in frame: 16]
File Data: 107 bytes

> JavaScript Object Notation: application/json

```

No.	Time	Source	Destination	Protocol	Length	Info
14	14.1733509	127.0.0.1	127.0.0.1	HTTP/1.1	440	PUT /en/data.json HTTP/1.1, 350N (application/json)
16	14.1735727	127.0.0.1	127.0.0.1	HTTP	521	HTTP/1.1 200 OK (text/html)
<p>> Frame 16: 521 bytes on wire (4168 bits), 521 bytes captured (4168 bits) on interface \Device\NPF_{...} Loopback, id 0</p> <p>Full/Loopback</p> <p>Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1</p> <p>Transmission Control Protocol, Src Port: 80, Dst Port: 51071, Seq: 1, Ack: 397, Len: 477</p> <p>✓ Hypertext Transfer Protocol</p> <p>→ HTTP/1.1 200 OK (v)</p> <p>Content-Type: text/html;v</p> <p>Server: My HTTP Web Server;v</p> <p>Date: Sat Jan 18 12:39:33 2025;v</p> <p>Content-Length: 352;v</p> <p>v</p> <p>[Time response 1/s]</p> <p>[Time since request: 0.002218000 seconds]</p> <p>[Request in frame: 14]</p> <p>[Request URI: http://localhost:80/en/data.json]</p> <p>File Data: 352 bytes</p> <p>> Line-based text data: text/html (15 lines)</p>						

Postman

DELETE
http://localhost:{{port}}/en/data.json
Send

Params
Authorization
Headers (7)
Body
Scripts
Tests
Settings
Cookies

<input checked="" type="checkbox"/>	Accept	*/*	
<input checked="" type="checkbox"/>	Accept-Encoding	gzip, deflate, br	
<input checked="" type="checkbox"/>	Connection	keep-alive	
	Key	Value	Description

Body
Cookies
Headers (4)
Test Results
200 OK
10 ms
318 B
Save Response

HTML
Preview
Visualize

The file has been deleted successfully at /en/data.json.

The file has been deleted successfully at /en/data.json.

Console

```
[INFO] Response sent on socket 244:  
- Bytes Sent : 318/318  
- Response Content:
```

```
HTTP/1.1 200 OK  
Content-Type: text/html  
Server: My HTTP Web Server  
Date: Sat Jan 18 12:41:55 2025  
Content-Length: 193  
  
<!DOCTYPE html>  
<html>  
<head>  
<title>File Delted</title>  
</head>  
<body>  
<h1>File Delted Successfully</h1>  
<p>The file has been deleted successfully at <a>/en/data.json</a>.</p>  
</body>  
</html>
```

Wireshark

No.	Time	Source	Destination	Protocol	Length	Info
42	5.993997	127.0.0.1	127.0.0.1	HTTP	283	DELETE /en/data.json HTTP/1.1
44	5.995304	127.0.0.1	127.0.0.1	HTTP	362	HTTP/1.1 200 OK (text/html)

> Frame 42: 283 bytes on wire (2264 bits), 283 bytes captured (2264 bits) on interface \Device\NPF_{...} id 0

> Null/Loopback

> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

> Transmission Control Protocol, Src Port: 51107, Dst Port: 80, Seq: 1, Ack: 1, Len: 239

> Hypertext Transfer Protocol

> DELETE /en/data.json HTTP/1.1

User-Agent: PostmanRuntime/7.43.0

Accept: */*

Cache-Control: no-cache

Postman-Token: 0e4630ca-e9f9-4f79-bfff-f92add280063

Host: localhost:80

Accept-Encoding: gzip, deflate, br

Connection: keep-alive

[Full request URI: http://localhost:80/en/data.json]

[HTTP request 1/1]

[Response in frame: 44]

No.	Time	Source	Destination	Protocol	Length	Info
44	5.995304	127.0.0.1	127.0.0.1	HTTP	362	HTTP/1.1 200 OK (text/html)

> Frame 44: 362 bytes on wire (2896 bits), 362 bytes captured (2896 bits) on interface \Device\NPF_{...} id 0

> Null/Loopback

> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

> Transmission Control Protocol, Src Port: 80, Dst Port: 51107, Seq: 1, Ack: 240, Len: 318

> Hypertext Transfer Protocol

> HTTP/1.1 200 OK

Content-Type: text/html

Server: My HTTP Web Server

Date: Sat Jan 18 12:41:55 2025

Content-Length: 193

[HTTP response 1/1]

[Time since request: 0.001307000 seconds]

[Request in frame: 42]

[Request URI: http://localhost:80/en/data.json]

File Data: 193 bytes

> Line-based text data: text/html (10 lines)

TRACE

Postman

TRACE

http://localhost: {{port}} /

Params

Authorization

Headers (7)

Body

Scripts

Tests

Settings

☒

User-Agent

①

PostmanRuntime/7.43.0

☒

Accept

①

/

Body

Cookies

Headers (4)

Test Results

🕒

200 OK

4 ms

361 B

🌐

Raw

Visualize

1

TRACE / HTTP/1.1

2

Accept: */*

3

4

Accept-Encoding: gzip, deflate, br

5

6

Cache-Control: no-cache

7

8

Connection: keep-alive

9

10

Host: localhost:80

11

12

Postman-Token: e1a19ed6-d175-4c8e-b720-12258fdb1874

13

14

User-Agent: PostmanRuntime/7.43.0

15

Console

[INFO]

Response sent on socket 256:

- Bytes Sent : 361/361

- Response Content:

HTTP/1.1 200 OK

Content-Type: message/http

Server: My HTTP Web Server

Date: Sat Jan 18 12:44:37 2025

Content-Length: 233

TRACE / HTTP/1.1

Accept: */*

Accept-Encoding: gzip, deflate, br

Cache-Control: no-cache

Connection: keep-alive

Host: localhost:80

Postman-Token: e1a19ed6-d175-4c8e-b720-12258fdb1874

User-Agent: PostmanRuntime/7.43.0

Wireshark

No.	Time	Source	Destination	Protocol	Length	Info
46	4.959892	127.0.0.1	127.0.0.1	HTTP	270	TRACE / HTTP/1.1
48	4.959391	127.0.0.1	127.0.0.1	HTTP	405	HTTP/1.1 200 OK (message/http)

> Frame 46: 270 bytes on wire (2160 bits), 270 bytes captured (2160 bits) on interface \Device\NPF_{...}, id 0

> Null/Loopback

> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

> Transmission Control Protocol, Src Port: 51154, Dst Port: 80, Seq: 1, Ack: 1, Len: 226

> Hypertext Transfer Protocol

> TRACE / HTTP/1.1\r\n

User-Agent: PostmanRuntime/7.43.0\r\n

Accept: */*\r\n

Cache-Control: no-cache\r\n

Postman-Token: e1a19ed6-d175-4c8e-b720-12258fdb1874\r\n

Host: localhost:80\r\n

Accept-Encoding: gzip, deflate, br\r\n

Connection: keep-alive\r\n

\r\n

[Full request URI: http://localhost:80/]

[HTTP request 1/1]

[Response in frame: 48]

0000 02 00 00 00 45 00 01 0a f1 9f 40 00 80 06 00 00E....

0010 7f 00 00 01 7f 00 00 01 c7 d2 00 50 fa 81 b7 2eP...c

0020 e4 f8 a8 e4 50 18 04 ff 63 94 00 00 54 52 41 43E / HTTP /

0030 45 20 2f 20 48 54 54 50 2f 31 2e 31 0d 0a 55 73er-Agent :

0040 65 72 2d 41 67 65 6e 74 3a 20 50 6f 73 74 6d 61 nRuntime /:

0050 6e 52 75 6e 74 69 6d 65 2f 37 2e 34 33 2e 30 0d .Accept: *

0060 0a 41 63 63 65 70 74 3a 20 2a 2f 2a 0d 0a 43 61 che-Cont r

0070 63 68 65 2d 43 6f 6e 74 72 6f 6e 3a 20 6e 6f 2d cache-P or

0080 63 61 63 68 65 0d 0a 50 6f 73 74 6d 61 6e 2d 54 oken: e1 a:

0090 6f 6b 65 6e 3a 20 65 31 61 31 39 65 64 36 2d 64 175-4c8e -l

00a0 31 37 35 2d 34 63 38 65 2d 62 37 32 30 2d 31 32 258fdb18 7:

00b0 32 35 38 66 64 62 31 38 37 34 0d 0a 48 6f 73 74 : localh o:

00c0 3a 20 6c 6f 63 61 6e 68 6f 73 74 3a 38 30 0d 0a : localh o:

00d0 41 63 63 65 70 74 2d 45 6e 63 6f 64 69 6e 67 3a Accept-E ni

00e0 20 67 7a 69 70 2c 20 64 65 66 6e 61 74 65 2c 20 gzip, d e

00f0 62 72 0d 0a 43 6f 6e 6e 65 63 74 69 6f 6e 3a 20 br: Conn er

0100 6b 65 65 70 2d 61 6c 69 76 65 0d 0a 0d 0a keep-ali vi

