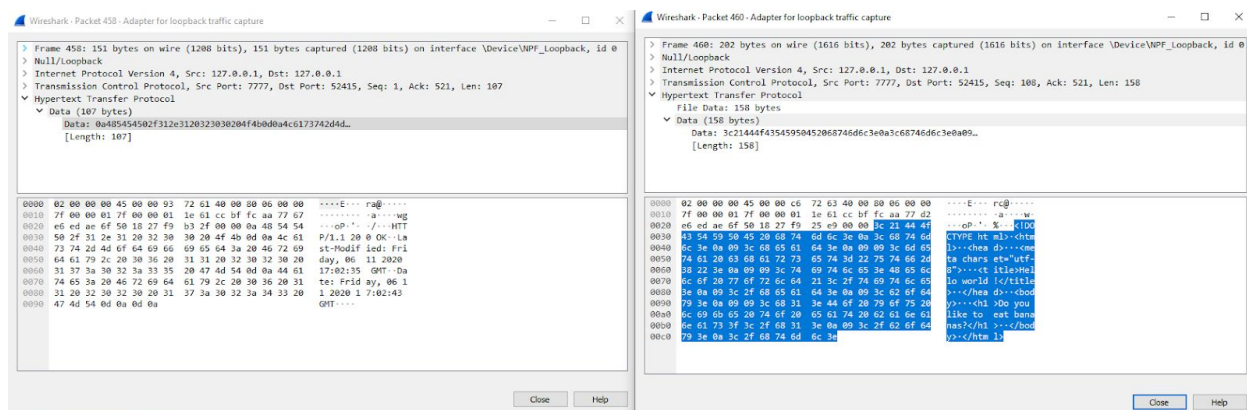
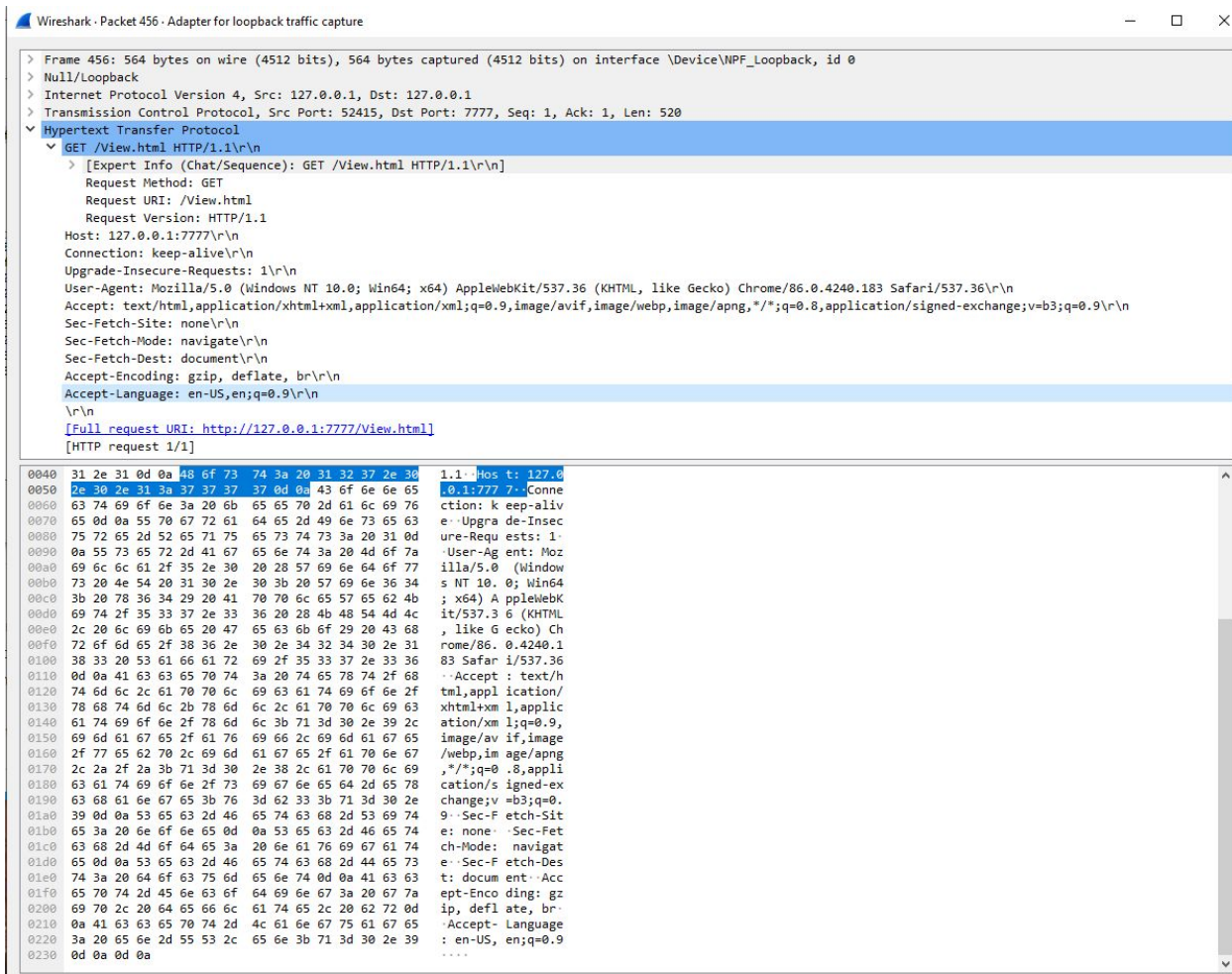


## The Initial call to the server from wire shark



Also Sends Header info and page data.

Refresh

Expects 304 not to send any information Just a new header

The image displays a Wireshark packet capture window. The top pane shows a list of packets, with packet 531 selected. The middle pane shows the details of packet 531, which is an HTTP GET request. The bottom pane shows the raw data of the packet in hexadecimal and ASCII.

**Wireshark - Packet 520 - Adapter for loopback traffic capture**

Acknowledgment number (raw): 3364343115  
0101 .... = Header Length: 20 bytes (5)  
> Flags: 0x018 (PSH, ACK)  
Window size value: 10233  
[Calculated window size: 2619648]  
[Window size scaling factor: 256]  
Checksum: 0x3042 [unverified]  
[Checksum Status: Unverified]  
Urgent pointer: 0  
> [SEQ/ACK analysis]  
> [Timestamps]  
TCP payload (618 bytes)

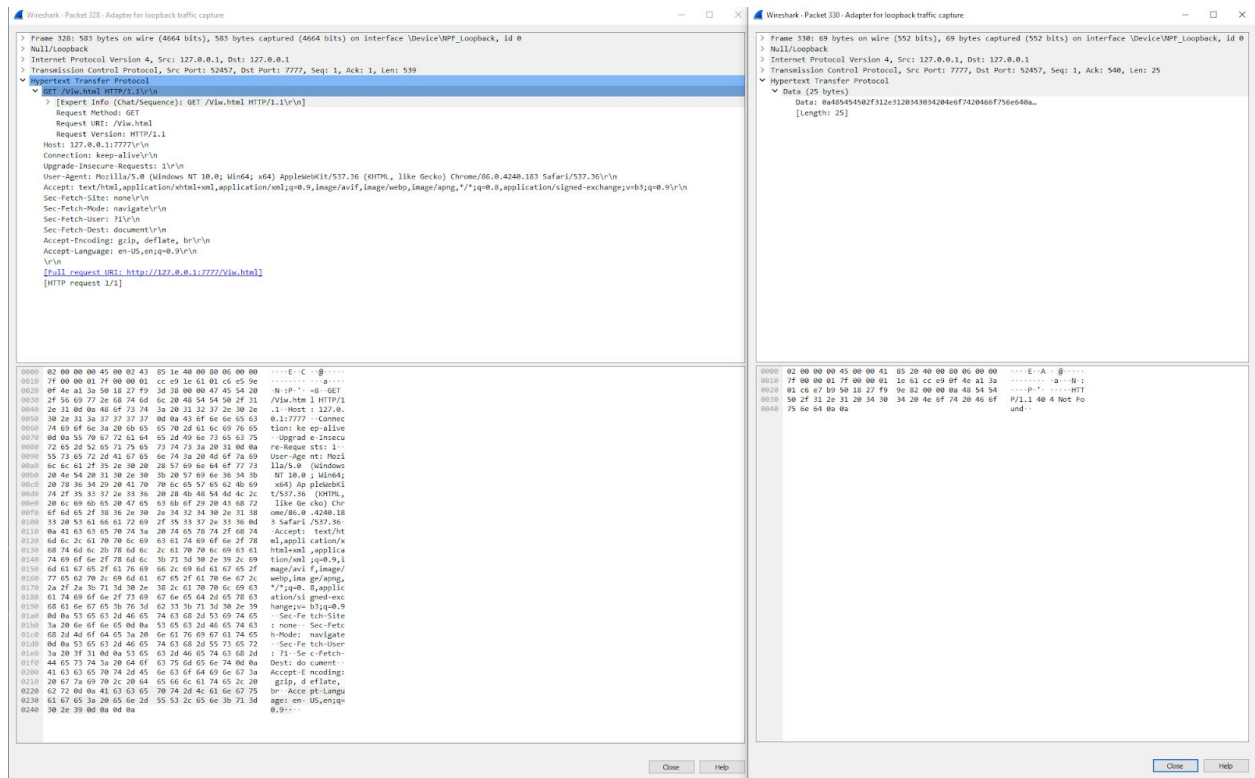
**Hypertext Transfer Protocol**  
GET /View.html HTTP/1.1\r\n  
> [Expert Info (Chat/Sequence): GET /View.html HTTP/1.1\r\n]  
Request Method: GET  
Request URI: /View.html  
Request Version: HTTP/1.1  
Host: 127.0.0.1:7777\r\nConnection: keep-alive\r\nCache-Control: max-age=0\r\nUpgrade-Insecure-Requests: 1\r\nUser-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.4240.183 Safari/537.36\r\nAccept: 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=0.9\r\nSec-Fetch-Site: none\r\nSec-Fetch-Mode: navigate\r\nSec-Fetch-User: ?1\r\n

**Wireshark - Packet 531 - Adapter for loopback traffic capture**

> From 531: 161 bytes on wire (1288 bits), 161 bytes captured (1288 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: 7777, Dst Port: 52416, Seq: 1, Ack: 619, Len: 117  
> Hypertext Transfer Protocol  
Data (117 bytes)  
[Length: 117]

0000 c8 87 cd 4b 50 18 27 f9 30 42 00 00 47 45 54 20 ... KP ... GET  
0030 2f 56 69 65 77 2e 68 74 6d 6c 20 48 54 54 50 2f ... /View.html HTTP/  
0040 31 2e 31 0d 0a 48 6f 73 74 3a 20 31 32 37 2e 30 ... 1.1 Host: 127.0  
0050 2e 30 2e 31 3a 37 37 37 37 0d 0a 43 6f 6e 6e 65 ... .0.1:7777 Connection: keep-aliv  
0060 63 74 69 6f 6e 3a 20 6b 65 65 70 2d 61 6c 69 76 ... e=Cache-Control  
0070 65 0d 0a 43 61 63 68 65 2d 43 6f 6e 74 72 6f 6c ... : max-age=0 Upgrade-Insecure-Req  
0080 3a 20 6d 61 78 2d 61 67 65 3d 30 0d 0a 55 70 67 ... equests: 1 User-Agent: Mozilla/5  
0090 72 61 64 65 2d 49 6e 73 65 63 75 72 65 2d 52 65 ... .36 (KHTML, like  
00a0 71 75 65 73 74 73 3a 20 31 0d 0a 55 73 65 72 2d ... Gecko) Chrome/8  
00b0 41 67 65 6e 74 3a 20 4d 6f 7a 69 6c 6c 61 2f 35 ... 6.0.4240.183 Saf  
00c0 2e 30 20 28 57 69 6e 64 6f 77 73 20 4e 54 20 31 ... ari/537.36 Accept  
00d0 30 2e 30 3b 20 57 69 6e 36 34 3b 20 78 36 34 29 ... pt: text/html, app  
00e0 20 41 70 70 6c 65 57 65 62 4b 69 74 2f 35 33 37 ... plication/xhtml+  
00f0 2e 33 36 20 28 4b 48 54 4d 4c 2c 20 6c 69 6b 65 ... xml,application/  
0100 20 47 65 63 6b 6f 29 20 43 68 72 6f 6d 65 2f 38 ... avif,image/webp,  
0110 36 2e 30 2e 34 32 34 30 2e 31 38 33 20 53 61 66 ... image/apng,\*/\*;q  
0120 61 72 69 2f 35 33 37 2e 33 36 0d 0a 41 63 63 65 ... =0.8,application  
0130 70 74 3a 20 74 65 78 74 2f 68 74 6d 6c 2c 61 70 ... /signed-exchange  
0140 70 6c 69 63 61 74 69 6f 6e 2f 78 68 74 6d 6c 2b ... ;v=b3;q=0.9 Sec  
0150 78 6d 6c 2c 61 70 70 6c 69 63 61 74 69 6f 6e 2f ... -Fetch-Site: non  
0160 78 6d 6c 30 71 3d 30 2e 39 2c 69 6d 61 67 65 2f ... e=Sec-Fetch-Mod  
0170 61 76 69 66 2c 69 6d 61 67 65 2f 77 65 62 70 2c ... e: navigate Sec  
0180 69 6d 61 67 65 2f 61 70 6e 69 63 61 74 69 6f 6e ... -Fetch-User: ?1  
0190 3d 30 2e 38 2c 61 70 70 6c 69 63 61 74 69 6f 6e ... -Sec-Fetch-Dest:  
01a0 2f 73 69 6f 6e 65 64 2d 65 78 63 68 61 6e 67 65 ... document Accept  
01b0 30 76 3d 62 33 3b 71 3d 30 2e 39 0d 0a 53 65 63 ... t-Encoding: gzip  
01c0 2d 46 65 74 63 68 2d 53 69 74 65 3a 20 6e 6f 6e ... , deflate, br; A  
01d0 65 0d 0a 53 65 63 2d 46 65 74 63 68 2d 4d 6f 64 ... ccept-Language:  
01e0 65 3a 20 6e 61 76 69 67 61 74 65 0d 0a 53 65 63 ...  
01f0 2d 46 65 74 63 68 2d 55 73 65 72 3a 20 3f 31 0d ...  
0200 0a 53 65 63 2d 46 65 74 63 68 2d 44 65 73 74 3a ...  
0210 20 64 6f 63 75 6d 65 6e 74 0d 0a 41 63 63 65 70 ...  
0220 74 2d 45 6e 63 6f 64 69 6e 67 3a 20 67 7a 69 70 ...  
0230 2c 20 64 65 66 6c 61 74 65 2c 20 62 72 0d 0a 41 ...  
0240 63 63 65 70 74 2d 4c 61 6e 67 75 61 67 65 3a 20 ...

## 404 Error Page transmission



## My test html file was

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Hello world!</title>
</head>
<body>
<h1>Do you like to eat bananas?</h1>
</body>
</html>
```