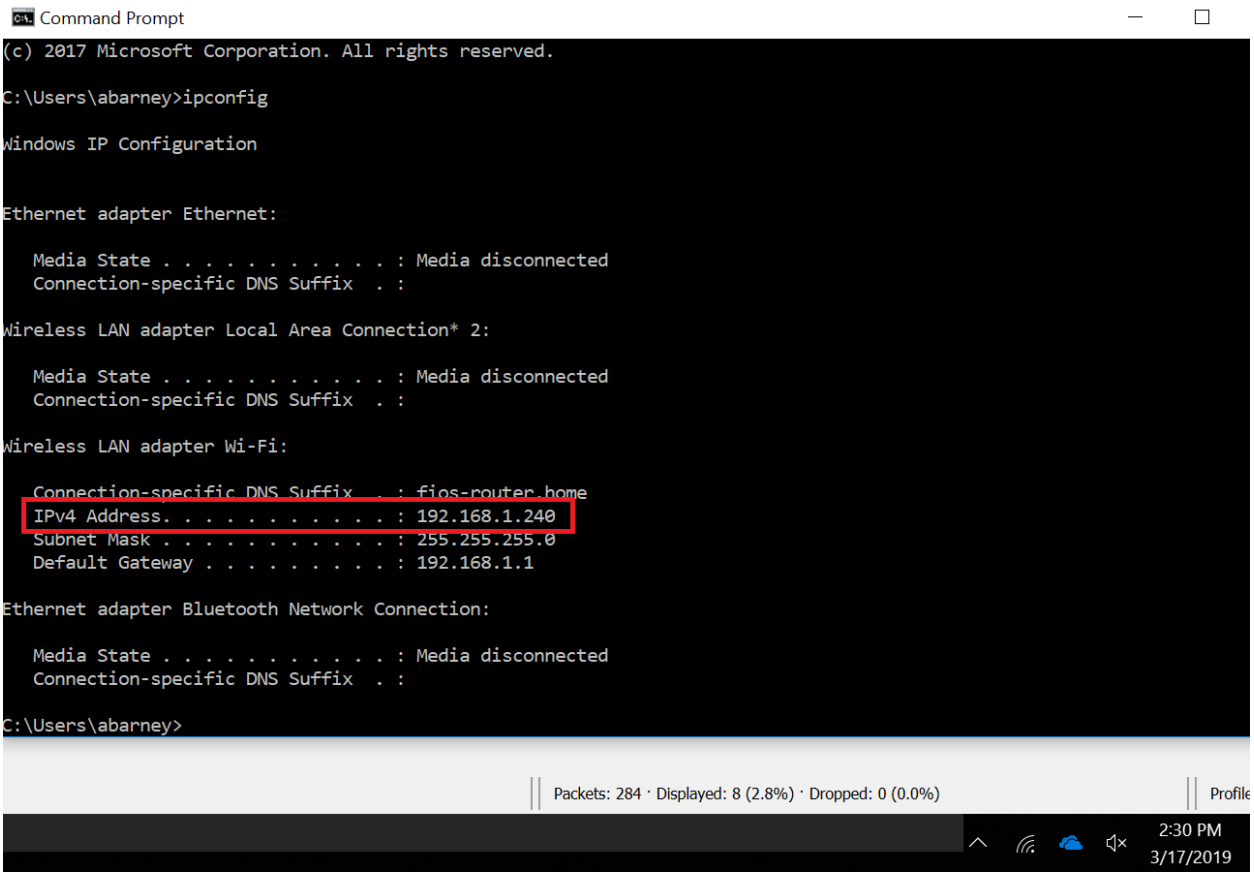
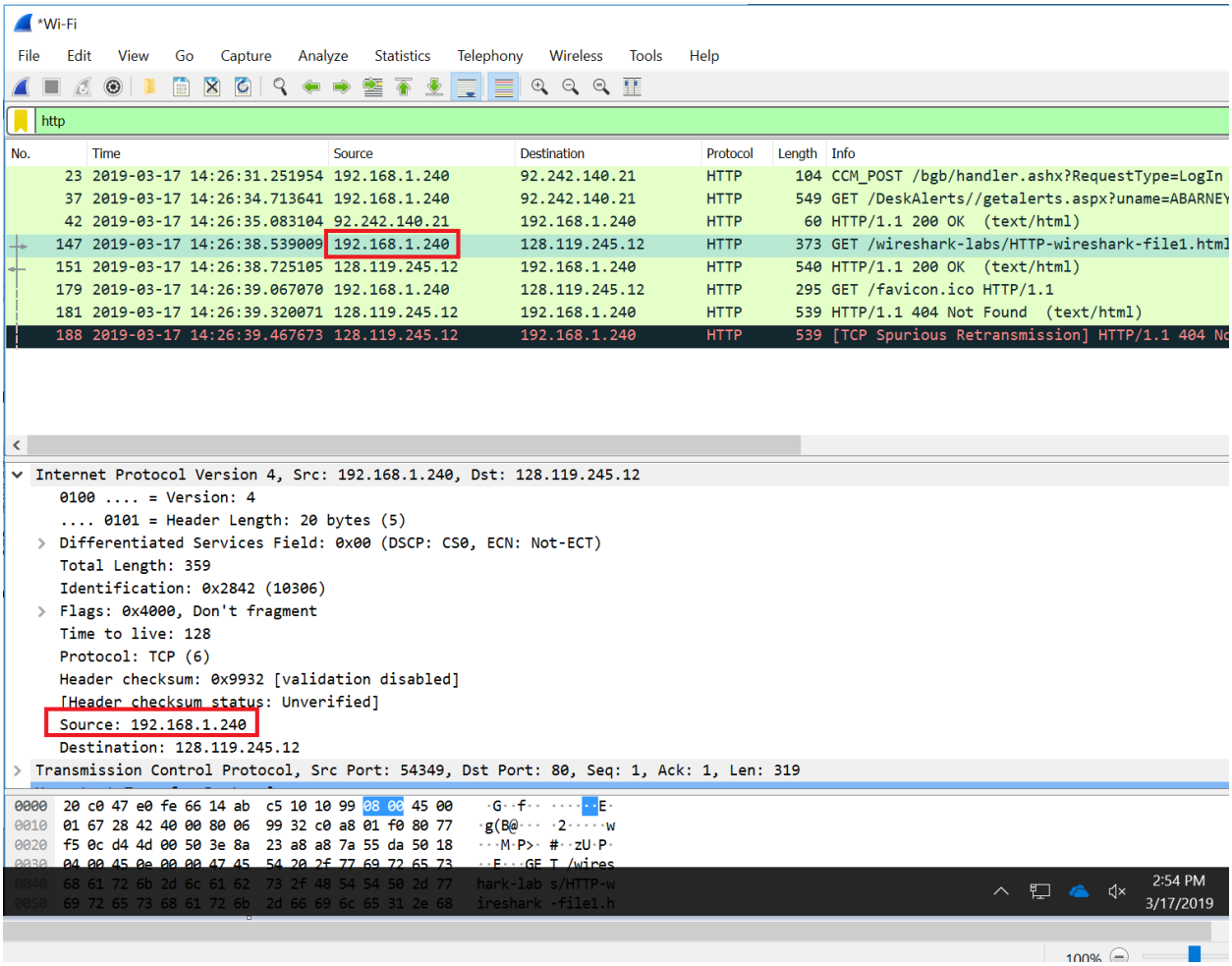
Lab 4

IP Address: **192.168.1.240**



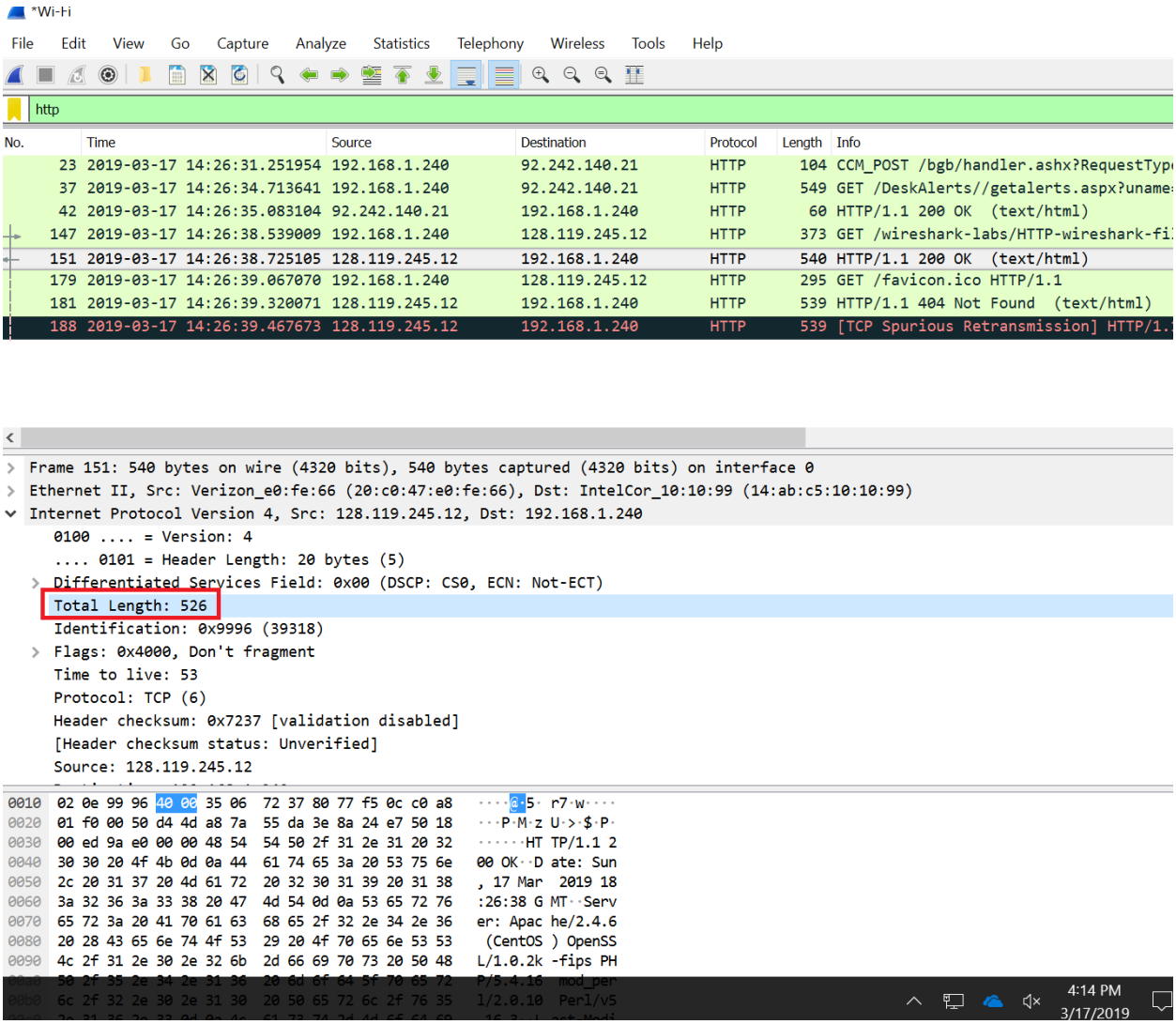
1. What is the IP address of your computer? Wireshark screenshot not, Terminal

   192.168.1.240



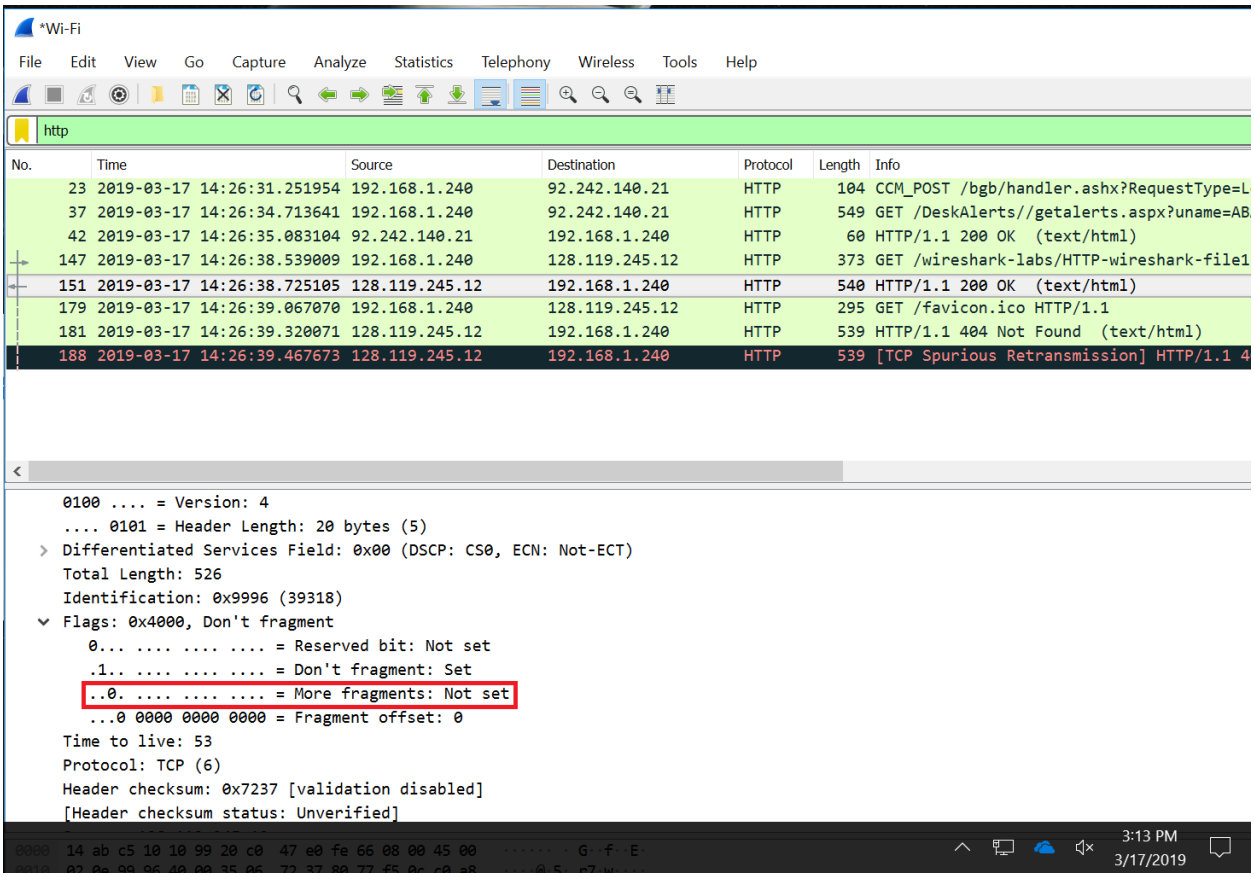
2. What is the total length of the datagram?

526 total length of datagram



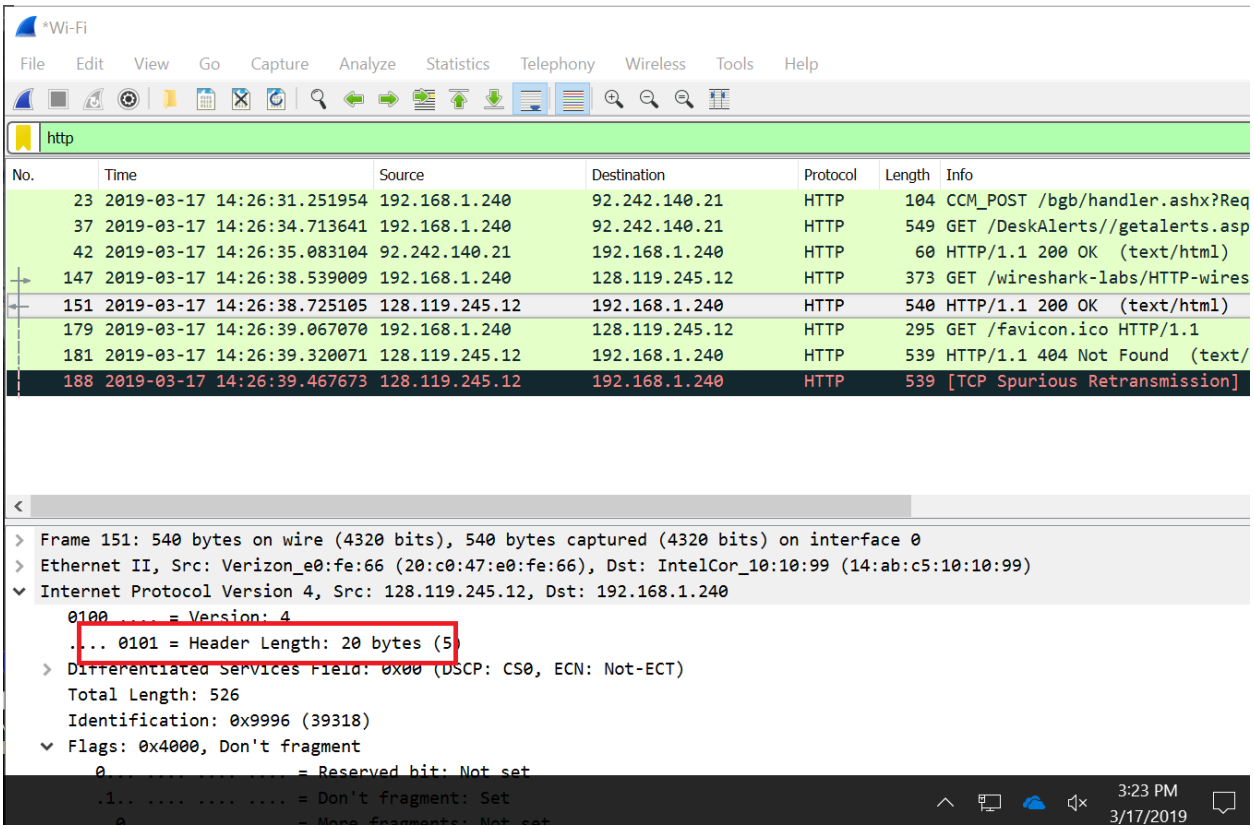
3. Has this IP datagram been fragmented?

No, the more fragments flag has not been set.



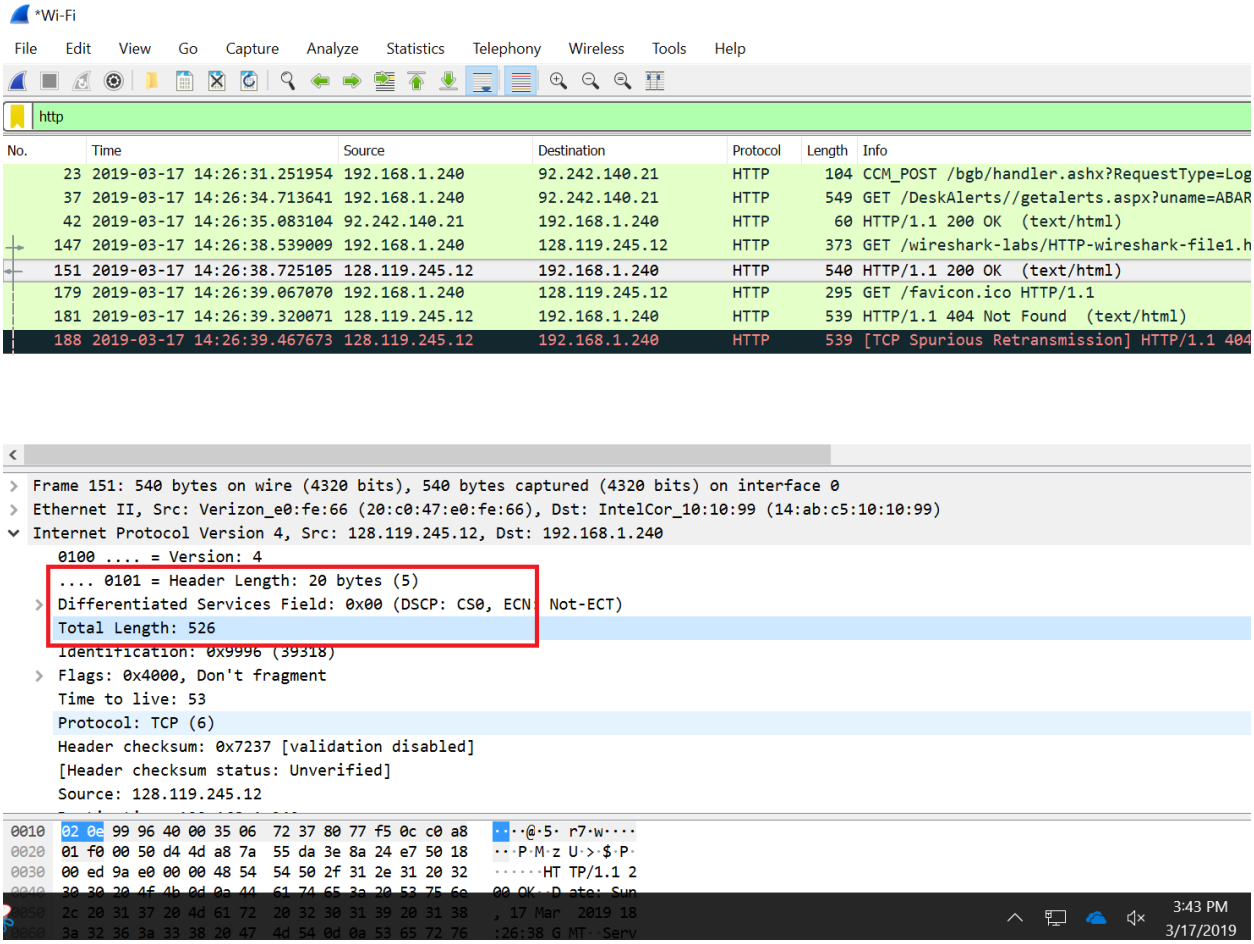
4. How many bytes are in the IP header?

   20 bytes in the IP header.



5. How many bytes are in the payload of the IP datagram? **Explain how you determine the number of payload bytes**

506 in the payload of the IP datagram (Total length of 526, subtract 20 for the header)


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
No. Time Source Destination Protocol Length Info
23 2019-03-17 14:26:31.251954 192.168.1.240 92.242.140.21 HTTP 104 CCM_POST /bgb/handler.ashx?RequestType=Log
37 2019-03-17 14:26:34.713641 192.168.1.240 92.242.140.21 HTTP 549 GET /DeskAlerts//getalerts.aspx?uname=ABAR
42 2019-03-17 14:26:35.083104 92.242.140.21 192.168.1.240 HTTP 60 HTTP/1.1 200 OK (text/html)
147 2019-03-17 14:26:38.539009 192.168.1.240 128.119.245.12 HTTP 373 GET /wireshark-labs/HTTP-wireshark-file1.h
151 2019-03-17 14:26:38.725105 128.119.245.12 192.168.1.240 HTTP 540 HTTP/1.1 200 OK (text/html)
179 2019-03-17 14:26:39.067070 192.168.1.240 128.119.245.12 HTTP 295 GET /favicon.ico HTTP/1.1
181 2019-03-17 14:26:39.320071 128.119.245.12 192.168.1.240 HTTP 539 HTTP/1.1 404 Not Found (text/html)
188 2019-03-17 14:26:39.467673 128.119.245.12 192.168.1.240 HTTP 539 [TCP Spurious Retransmission] HTTP/1.1 404
Frame 151: 540 bytes on wire (4320 bits), 540 bytes captured (4320 bits) on interface 0
Ethernet II, Src: Verizon_e0:fe:66 (20:c0:47:e0:fe:66), Dst: IntelCor_10:10:99 (14:ab:c5:10:10:99)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.240
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 526
Identification: 0x9996 (39318)
Flags: 0x4000, Don't fragment
Time to live: 53
Protocol: TCP (6)
Header checksum: 0x7237 [validation disabled]
[Header checksum status: Unverified]
Source: 128.119.245.12
0010 02 0e 99 96 40 00 35 06 72 37 80 77 f5 0c c0 a8
0020 01 f0 00 50 d4 4d a8 7a 55 da 3e 8a 24 e7 50 18
0030 00 ed 9a e0 00 00 48 54 54 50 2f 31 2e 31 20 32
2c 20 31 37 20 4d 61 72 20 32 30 31 39 20 31 38
3:43 PM
3/17/2019

```
No.     Time                           Source                Destination           Protocol Length Info
    151 2019-03-17 14:26:38.725105    128.119.245.12        192.168.1.240         HTTP     540    HTTP/1.1 200 OK  (text/html)
Frame 151: 540 bytes on wire (4320 bits), 540 bytes captured (4320 bits) on interface 0
Ethernet II, Src: Verizon_e0:fe:66 (20:c0:47:e0:fe:66), Dst: IntelCor_10:10:99 (14:ab:c5:10:10:99)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.1.240
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 526
    Identification: 0x9996 (39318)
    Flags: 0x4000, Don't fragment
        0... .... .... .... = Reserved bit: Not set
        .1.. .... .... .... = Don't fragment: Set
        ..0. .... .... .... = More fragments: Not set
        ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 53
    Protocol: TCP (6)
    Header checksum: 0x7237 [validation disabled]
    [Header checksum status: Unverified]
    Source: 128.119.245.12
    Destination: 192.168.1.240
Transmission Control Protocol, Src Port: 80, Dst Port: 54349, Seq: 1, Ack: 320, Len: 486
Hypertext Transfer Protocol
Line-based text data: text/html (4 lines)
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