

**IP Address 172.20.10.2**

```
ca. Command Prompt
Connection-specific DNS Suffix . :
C:\Users\abarney>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

Wireless LAN adapter Local Area Connection* 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix . :
    IPv4 Address. . . . . : 172.20.10.2
    Subnet Mask . . . . . : 255.255.255.240
    Default Gateway . . . . . : 172.20.10.1

Ethernet adapter Bluetooth Network Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

C:\Users\abarney>
```

1. What is the TCP port number used by your computer to communicate with [gaia.cs.umass.edu](http://gaia.cs.umass.edu)?

**58108**

```
> Frame 182: 360 bytes on wire (2880 bits), 360 bytes captured (2880 bits) on interface 0
> Ethernet II, Src: IntelCor_10:10:99 (14:ab:c5:10:10:99), Dst: a2:56:f3:b9:0d:64 (a2:56:f3:b9:0d:64)
> Internet Protocol Version 4, Src: 172.20.10.2, Dst: 128.119.245.12
> Transmission Control Protocol, Src Port: 58188, Dst Port: 80, Seq: 152613, Ack: 1, Len: 306
  Source Port: 58188
  Destination Port: 80
  [Stream index: 2]
  [TCP Segment Len: 306]
  Sequence number: 152613 (relative sequence number)
  [Next sequence number: 152919 (relative sequence number)]
  Acknowledgment number: 1 (relative ack number)
  0101 .... = Header Length: 20 bytes (5)
  > Flags: 0x018 (PSH, ACK)
  Window size value: 1024
  [Calculated window size: 262144]
  [Window size scaling factor: 256]

0000  a2 56 f3 b9 0d 64 14 ab c5 10 10 99 08 00 45 00  -V...c...E
0010  01 5a 40 1d 40 00 80 06 8d e6 ac 14 0a 02 80 77  -Z@.....
0020  f5 0c e2 fc 00 50 f8 36 38 6a 2b 97 0b b1 50 18  -....P.6.8+...
0030  04 00 c2 fb 00 00 72 68 61 70 73 20 65 76 65 6e  -....rh aps even
0040  20 77 69 74 68 20 74 68 65 20 64 72 65 61 6d 20  -with th e dream
0050  6f 66 0d 0a 57 6f 6e 64 65 72 6c 61 6e 64 20 6f  -of Mond erland o
0060  66 20 6c 6f 6e 67 20 61 67 6f 3a 20 20 61 6e 64  -f long a go: and
0070  20 68 6f 77 20 73 68 65 20 77 6f 75 6c 64 20 66  -how she would f
```

2. What is the TCP port number used by gaia.cs.umass.edu to communicate with your computer?

Port 80

```
> Frame 224: 831 bytes on wire (6648 bits), 831 bytes captured (6648 bits) on interface 0
> Ethernet II, Src: a2:56:f3:b9:0d:64 (a2:56:f3:b9:0d:64), Dst: IntelCor_10:10:99 (14:ab:c5:10:10:99)
> Internet Protocol Version 4, Src: 128.119.245.12, Dst: 172.20.10.2
> Transmission Control Protocol, Src Port: 80, Dst Port: 58188, Seq: 1, Ack: 152919, Len: 777
  Source Port: 80
  Destination Port: 58188
  [Stream index: 2]
  [TCP Segment Len: 777]
  Sequence number: 1 (relative sequence number)
  [Next sequence number: 778 (relative sequence number)]
  Acknowledgment number: 152919 (relative ack number)
  0101 .... = Header Length: 20 bytes (5)
  > Flags: 0x018 (PSH, ACK)
  Window size value: 352
  [Calculated window size: 180224]
  [Window size scaling factor: 512]
  Checksum: 0x9d2f (unverified)

0000  14 ab c5 10 10 99 a2 56 f3 b9 0d 64 08 00 45 58  -.....V...d..EX
0010  03 31 19 31 00 00 3d 06 35 a4 80 77 f5 0c ac 14  -1.1...5...w...
0020  0a 02 00 50 a2 fc 2b 97 0b b1 f8 36 39 9c 50 18  -...P...69 P
0030  01 60 9d 2f 00 00 48 54 54 50 2f 31 2e 31 20 32  -.../..HT TP/1.1 2
0040  30 30 20 4f 4b 0d 0a 44 61 74 65 3a 20 4d 6f 6e  -00 OK: D ate: Mon
0050  2c 20 32 35 20 46 65 62 20 32 30 31 39 20 30 32  - , 25 Feb 2019 02
0060  3a 35 39 3a 32 36 20 47 4d 54 0d 0a 53 65 72 76  -:59:26 G MT Serv
0070  65 72 3a 20 41 70 61 63 68 65 2f 32 2e 34 2e 36  -er: Apac he/2.4.6
```

3. What is the sequence number of the TCP SYN segment that is used to initiate the TCP connection between your computer and gaia.cs.umass.edu? **0**

What is it in the segment that identifies the segment as a SYN segment? **The Syn Flag is set to 1**

The image shows a Wireshark packet capture of a network interface. The packet list pane displays several TCP segments. Packet 226 is a SYN segment from 172.20.10.2 to 40.114.79.69. The packet details pane shows the following information:

- Frame 226: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface 0
- Ethernet II, Src: IntelCor\_10:10:99 (14:ab:c5:10:10:99), Dst: a2:56:f3:b9:0d:64 (a2:56:f3:b9:0d:64)
- Internet Protocol Version 4, Src: 172.20.10.2, Dst: 40.114.79.69
- Transmission Control Protocol, Src Port: 58109, Dst Port: 443, Seq: 0, Len: 0
- Source Port: 58109
- Destination Port: 443
- [Stream index: 3]
- [TCP Segment Len: 0]
- Sequence number: 0 (relative sequence number)
- [Next sequence number: 0 (relative sequence number)]
- Acknowledgment number: 0
- 1000 ..... = Header Length: 32 bytes (8)
- Flags: 0x002 (SYN)
- 000. .... = Reserved: Not set
- ...0 .... = Nonce: Not set
- ...0 .... = Congestion Window Reduced (CWR): Not set
- ...0 .... = ECN-Echo: Not set
- ...0 .... = Urgent: Not set
- ...0 .... = Acknowledgment: Not set
- ...0 .... = Push: Not set
- ...0 .... = Reset: Not set
- ...0 .... = Syn: Set
- ...0 .... = Fin: Not set
- [TCP Flags: .....S.]

The packet bytes pane shows the raw data of the packet, including the Ethernet II header, IP header, and TCP header.

4. What is the sequence number of the SYNACK segment sent by gaia.cs.umass.edu to the client computer in reply to the SYN? - You must dig deep and find the ACK from gaia.cs.umass.edu.

**Sequence number 0**

Wireshark interface showing a packet capture. The packet list pane displays several packets, with packet 231 selected. The packet details pane shows the structure of the selected packet, which is a TCP segment.

**Packet List:**

No.	Time	Source	Destination	Protocol	Length	Info
220	2019-02-24 21:59:27.049884	128.119.245.12	172.20.10.2	TCP	54	80 → 58108 [ACK] Seq=1 Ack=147133 Win=180224 Len=0
221	2019-02-24 21:59:27.057671	128.119.245.12	172.20.10.2	TCP	54	80 → 58108 [ACK] Seq=1 Ack=149873 Win=180224 Len=0
222	2019-02-24 21:59:27.073925	128.119.245.12	172.20.10.2	TCP	54	80 → 58108 [ACK] Seq=1 Ack=152613 Win=180224 Len=0
223	2019-02-24 21:59:27.073926	128.119.245.12	172.20.10.2	TCP	54	80 → 58108 [ACK] Seq=1 Ack=152919 Win=180224 Len=0
224	2019-02-24 21:59:27.097942	128.119.245.12	172.20.10.2	HTTP	831	HTTP/1.1 200 OK (text/html)
225	2019-02-24 21:59:27.098197	172.20.10.2	128.119.245.12	TCP	54	58108 → 80 [ACK] Seq=152919 Ack=778 Win=261120 Len=0
226	2019-02-24 21:59:27.120993	172.20.10.2	40.114.79.69	TCP	66	58109 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM=1
227	2019-02-24 21:59:27.140882	172.20.10.2	40.114.79.69	TCP	66	58110 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM=1
228	2019-02-24 21:59:27.178798	40.114.79.69	172.20.10.2	TCP	66	443 → 58109 [SYN, ACK] Seq=0 Ack=1 Win=27800 Len=0 MSS=1370 SACK_PERM=1 WS=512
229	2019-02-24 21:59:27.178922	172.20.10.2	40.114.79.69	TCP	54	58109 → 443 [ACK] Seq=1 Ack=1 Win=262144 Len=0
230	2019-02-24 21:59:27.179388	172.20.10.2	40.114.79.69	TLSV1..	292	Client Hello
231	2019-02-24 21:59:27.186607	40.114.79.69	172.20.10.2	TCP	66	443 → 58110 [SYN, ACK] Seq=0 Ack=1 Win=27800 Len=0 MSS=1370 SACK_PERM=1 WS=512

**Packet Details:**

- Transmission Control Protocol, Src Port: 443, Dst Port: 58109, Seq: 0, Ack: 1, Len: 0
  - Source Port: 443
  - Destination Port: 58109
  - [Stream index: 3]
  - [TCP Segment Len: 0]
    - Sequence number: 0 (relative sequence number)
    - [Next sequence number: 0 (relative sequence number)]
    - Acknowledgment number: 1 (relative ack number)
    - 1000 ... = Header Length: 32 bytes (8)
  - Flags: 0x012 (SYN, ACK)
    - 000. .... = Reserved: Not set
    - ...0 .... = Nonce: Not set
    - ...0 .... = Congestion Window Reduced (CWR): Not set
    - ...0 .... = ECN-Echo: Not set
    - ...0 .... = Urgent: Not set
    - ...1 .... = Acknowledgment: Set
    - ...0 .... = Push: Not set
    - ...0 .... = Reset: Not set
    - ...1 .... = Syn: Set
    - ...0 .... = Fin: Not set
    - [TCP Flags: .....A..S.]
    - Window size value: 27800
    - [Calculated window size: 27800]
    - Checksum: 8x3hd9 [unverified]

**Packet Bytes:**

```

0000  14 ab c5 10 10 99 a2 56 f3 b9 0d 64 88 00 45 58  ....V...EX
0010  00 34 00 00 00 3d 06 4f 9f 28 72 4f 45 ac 14  ....=O(rOE..
0020  0a 02 01 bb e2 fd bc 18 39 8b a2 85 1c 38 80 12  ....9...8...
0030  6c 98 3b d9 00 02 04 05 5a 01 01 04 02 01 03  1;.....Z.....
  
```

5. What is the sequence number of the TCP segment containing the HTTP POST command? Note: that to find the POST command, you'll need to dig into the packet content field at the bottom of the Wireshark window, looking for a segment with a "POST" within its DATA field.

No 18.

No.	Time	Source	Destination	Protocol	Length	Info
14	2019-02-24 21:59:26.354238	128.119.245.12	172.20.10.2	TCP	66	80 → 58108 [SYN, ACK] Seq=0 Ack=1 Win=27800 Len=0 MSS=1370 SACK_PERM=1 WS=512
15	2019-02-24 21:59:26.354239	128.119.245.12	172.20.10.2	TCP	66	80 → 58107 [SYN, ACK] Seq=0 Ack=1 Win=27800 Len=0 MSS=1370 SACK_PERM=1 WS=512
16	2019-02-24 21:59:26.354387	172.20.10.2	128.119.245.12	TCP	54	58108 → 80 [ACK] Seq=1 Ack=1 Win=262144 Len=0
17	2019-02-24 21:59:26.354493	172.20.10.2	128.119.245.12	TCP	54	58107 → 80 [ACK] Seq=1 Ack=1 Win=262144 Len=0
18	2019-02-24 21:59:26.354972	172.20.10.2	128.119.245.12	TCP	596	58108 → 80 [PSH, ACK] Seq=1 Ack=1 Win=262144 Len=542 [TCP segment of a reassembled PDU]
19	2019-02-24 21:59:26.363383	172.20.10.2	128.119.245.12	TCP	1424	58108 → 80 [ACK] Seq=543 Ack=1 Win=262144 Len=1370 [TCP segment of a reassembled PDU]
20	2019-02-24 21:59:26.363400	172.20.10.2	128.119.245.12	TCP	1424	58108 → 80 [ACK] Seq=1913 Ack=1 Win=262144 Len=1370 [TCP segment of a reassembled PDU]
21	2019-02-24 21:59:26.363406	172.20.10.2	128.119.245.12	TCP	1424	58108 → 80 [ACK] Seq=3283 Ack=1 Win=262144 Len=1370 [TCP segment of a reassembled PDU]
22	2019-02-24 21:59:26.363414	172.20.10.2	128.119.245.12	TCP	1424	58108 → 80 [ACK] Seq=4653 Ack=1 Win=262144 Len=1370 [TCP segment of a reassembled PDU]
23	2019-02-24 21:59:26.363420	172.20.10.2	128.119.245.12	TCP	1424	58108 → 80 [ACK] Seq=6023 Ack=1 Win=262144 Len=1370 [TCP segment of a reassembled PDU]
24	2019-02-24 21:59:26.363426	172.20.10.2	128.119.245.12	TCP	1424	58108 → 80 [ACK] Seq=7393 Ack=1 Win=262144 Len=1370 [TCP segment of a reassembled PDU]
25	2019-02-24 21:59:26.363452	172.20.10.2	128.119.245.12	TCP	1424	58108 → 80 [ACK] Seq=8763 Ack=1 Win=262144 Len=1370 [TCP segment of a reassembled PDU]

[Stream index: 2]  
[TCP Segment Len: 542]  
Sequence number: 1 (relative sequence number)  
[Next sequence number: 543 (relative sequence number)]  
Acknowledgment number: 1 (relative ack number)  
0101 .... = Header Length: 20 bytes (5)  
▼ Flags: 0x018 [PSH, ACK]  
000. .... = Reserved: Not set  
...0 .... = Nonce: Not set  
.... 0... = Congestion Window Reduced (CWR): Not set  
.... 0... = ECN-Echo: Not set  
.... ..0... = Urgent: Not set  
.... ..1... = Acknowledgment: Set  
.... ....1... = Push: Set  
.... ....0... = Reset: Not set  
.... ....0... = Syn: Not set  
.... ....0... = Fin: Not set  
[TCP Flags: .....AP...]  
Window size value: 1024  
[Calculated window size: 262144]  
0030 04 00 2a ef 00 00 00 4f 53 54 20 2f 77 69 72 65 ... 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
0040 73 68 61 72 60 2d 6c 61 62 73 2f 6c 61 62 53 2d ... 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
0050 31 2d 72 65 70 6c 79 2a 68 74 6d 20 4b 54 54 58 ... 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
0060 2f 31 2a 31 0d 0a 41 63 63 65 70 74 3a 20 74 65 ... 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
0070 70 74 2d 68 74 6d 6c 2c 20 61 70 70 6c 69 63 65 ... 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
0080 74 69 6f 6a 2f 78 68 74 6d 6c 2b 78 6d 6c 2c 20 ... 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
0090 49 6d 61 67 65 2f 6a 78 72 2c 20 2a 2f 2a 8d 0a ... 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
00a0 52 65 66 65 72 65 72 3a 20 68 74 74 70 3a 2f 2f ... 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

A data segment used in reassembly of a lower-level protocol (tcp segment data), 542 bytes
Packets: 321 - Decoded: 321 (100.0%) - Dropped: 0 (0.0%)
Profile: Ds

No.	Time	Source	Destination	Protocol	Length	Info
224	2019-02-24 21:59:27.097942	128.119.245.12	172.20.10.2	HTTP	831	HTTP/1.1 200 OK (text/html)

Frame 224: 831 bytes on wire (6648 bits), 831 bytes captured (6648 bits) on interface 0  
 Ethernet II, Src: a2:56:f3:b9:0d:64 (a2:56:f3:b9:0d:64), Dst: IntelCor\_10:10:99 (14:ab:c5:10:10:99)  
 Internet Protocol Version 4, Src: 128.119.245.12, Dst: 172.20.10.2

0100 .... = Version: 4  
 .... 0101 = Header Length: 20 bytes (5)  
 Differentiated Services Field: 0x58 (DSCP: AF23, ECN: Not-ECT)  
 Total Length: 817  
 Identification: 0x1931 (6449)  
 Flags: 0x0000  
 Time to live: 61  
 Protocol: TCP (6)  
 Header checksum: 0x35a4 [validation disabled]  
 [Header checksum status: Unverified]  
 Source: 128.119.245.12  
 Destination: 172.20.10.2

Transmission Control Protocol, Src Port: 80, Dst Port: 58108, Seq: 1, Ack: 152919, Len: 777  
 Source Port: 80  
 Destination Port: 58108  
 [Stream index: 2]  
 [TCP Segment Len: 777]  
 Sequence number: 1 (relative sequence number)  
 [Next sequence number: 778 (relative sequence number)]  
 Acknowledgment number: 152919 (relative ack number)  
 0101 .... = Header Length: 20 bytes (5)  
 Flags: 0x018 (PSH, ACK)  
 000. .... = Reserved: Not set  
 ...0 .... = Nonce: Not set  
 .... 0... = Congestion Window Reduced (CWR): Not set  
 .... .0.. = ECN-Echo: Not set  
 .... ..0. = Urgent: Not set  
 .... ...1 = Acknowledgment: Set  
 .... .... 1... = Push: Set  
 .... .... .0.. = Reset: Not set  
 .... .... ..0. = Syn: Not set  
 .... .... ...0 = Fin: Not set  
 [TCP Flags: .....AP...]

Window size value: 352  
 [Calculated window size: 180224]  
 [Window size scaling factor: 512]  
 Checksum: 0x9d2f [unverified]  
 [Checksum Status: Unverified]  
 Urgent pointer: 0  
 [SEQ/ACK analysis]  
 [iRTT: 0.055917000 seconds]  
 [Bytes in flight: 777]  
 [Bytes sent since last PSH flag: 777]  
 [Timestamps]  
 TCP payload (777 bytes)

Hypertext Transfer Protocol  
 HTTP/1.1 200 OK\r\n
 Date: Mon, 25 Feb 2019 02:59:26 GMT\r\n
 Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/5.4.16 mod\_perl/2.0.10 Perl/v5.16.3\r\n
 Last-Modified: Sat, 23 Oct 2010 11:38:58 GMT\r\n
 ETag: "1a2-4934734677880"\r\n
 Accept-Ranges: bytes\r\n
 Content-Length: 418\r\n
 Keep-Alive: timeout=5, max=100\r\n
 Connection: Keep-Alive\r\n
 Content-Type: text/html; charset=UTF-8\r\n
 \r\n
 [HTTP response 1/1]  
 [Time since request: 0.344323000 seconds]  
 [Request in frame: 182]  
 File Data: 418 bytes

Line-based text data: text/html (11 lines)

No.	Time	Source	Destination	Protocol	Length	Info
40.	226 2019-02-24 21:59:27.120993	172.20.10.2	40.114.79.69	TCP	66	58109 → 443 [SYN] Seq=0 Win=65535 Len=0

155=1460 WS=256 SACK\_PERM=1  
 Frame 226: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface 0  
 Ethernet II, Src: IntelCor\_10:10:99 (14:ab:c5:10:10:99), Dst: a2:56:f3:b9:0d:64 (a2:56:f3:b9:0d:64)  
 Internet Protocol Version 4, Src: 172.20.10.2, Dst: 40.114.79.69  
 0100 .... = Version: 4  
 .... 0101 = Header Length: 20 bytes (5)  
 Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)  
 Total Length: 52  
 Identification: 0x59a4 (22948)  
 Flags: 0x4000, Don't fragment  
 Time to live: 128  
 Protocol: TCP (6)  
 Header checksum: 0x7352 [validation disabled]  
 [Header checksum status: Unverified]  
 Source: 172.20.10.2  
 Destination: 40.114.79.69  
 Transmission Control Protocol, Src Port: 58109, Dst Port: 443, Seq: 0, Len: 0  
 Source Port: 58109  
 Destination Port: 443  
 [Stream index: 3]  
 [TCP Segment Len: 0]  
 Sequence number: 0 (relative sequence number)  
 [Next sequence number: 0 (relative sequence number)]  
 Acknowledgment number: 0  
 1000 .... = Header Length: 32 bytes (8)  
 Flags: 0x002 (SYN)  
 0000 .... = Reserved: Not set  
 ...0 .... = Nonce: Not set  
 .... 0... = Congestion Window Reduced (CWR): Not set  
 .... 0... = ECN-Echo: Not set  
 .... ..0. = Urgent: Not set  
 .... ...0 = Acknowledgment: Not set  
 .... .... 0... = Push: Not set  
 .... .... 0... = Reset: Not set  
 .... .... ..1. = Syn: Set  
 .... .... ...0 = Fin: Not set  
 [TCP Flags: .....S.]  
 Window size value: 65535  
 [Calculated window size: 65535]  
 Checksum: 0x9dcd [unverified]  
 [Checksum Status: Unverified]  
 Urgent pointer: 0  
 Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP), SACK permitted  
 [Timestamps]

No.	Time	Source	Destination	Protocol	Length	Info
18	2019-02-24 21:59:26.354972	172.20.10.2	128.119.245.12	TCP	596	58108 → 80 [PSH, ACK] Seq=1 Ack=1

Win=262144 Len=542 [TCP segment of a reassembled PDU]  
Frame 18: 596 bytes on wire (4768 bits), 596 bytes captured (4768 bits) on interface 0  
Ethernet II, Src: IntelCor\_10:10:99 (14:ab:c5:10:10:99), Dst: a2:56:f3:b9:0d:64 (a2:56:f3:b9:0d:64)  
Internet Protocol Version 4, Src: 172.20.10.2, Dst: 128.119.245.12

0100 .... = Version: 4  
.... 0101 = Header Length: 20 bytes (5)  
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)  
Total Length: 582  
Identification: 0x3fad (16301)  
Flags: 0x4000, Don't fragment  
Time to live: 128  
Protocol: TCP (6)  
Header checksum: 0x8d6a [validation disabled]  
[Header checksum status: Unverified]  
Source: 172.20.10.2  
Destination: 128.119.245.12

Transmission Control Protocol, Src Port: 58108, Dst Port: 80, Seq: 1, Ack: 1, Len: 542

Source Port: 58108  
Destination Port: 80  
[Stream index: 2]  
[TCP Segment Len: 542]  
Sequence number: 1 (relative sequence number)  
[Next sequence number: 543 (relative sequence number)]  
Acknowledgment number: 1 (relative ack number)  
0101 .... = Header Length: 20 bytes (5)  
Flags: 0x018 (PSH, ACK)  
000. .... = Reserved: Not set  
...0 .... = Nonce: Not set  
.... 0... = Congestion Window Reduced (CWR): Not set  
.... .0.. = ECN-Echo: Not set  
.... ..0. = Urgent: Not set  
.... ...1 = Acknowledgment: Set  
.... .... 1... = Push: Set  
.... .... .0.. = Reset: Not set  
.... .... ..0. = Syn: Not set  
.... .... ...0 = Fin: Not set  
[TCP Flags: .....AP...]  
Window size value: 1024  
[Calculated window size: 262144]  
[Window size scaling factor: 256]  
Checksum: 0x2e6f [unverified]  
[Checksum Status: Unverified]  
Urgent pointer: 0  
[SEQ/ACK analysis]  
[IRTT: 0.055917000 seconds]  
[Bytes in flight: 542]  
[Bytes sent since last PSH flag: 542]  
[Timestamps]  
TCP payload (542 bytes)  
[Reassembled PDU in frame: 182]  
TCP segment data (542 bytes)