

Question 1 For this question, we would like you to examine the contents of a collection of packets that were sent back and forth through the network as part of an HTTP transaction and answer some questions about the behavior of the machines involved.

We have seen that we can use TCPDump to examine the actual packets sent back and forth while accessing a network server. Unfortunately, TCPDump does not provide a good way to print or save a description of the packets captured. As a result, we have used a similar program named Ethereal to capture packets and have attached to this handout the information Ethereal provided. In Ethereal's output, each packet is described by a series of about five lines. The first line includes the relative time at which the packet was captured, the addresses of its source and destination, and a brief summary of its contents. The remaining lines contain details of the various protocol headers (Ethernet, IP, and TCP) found at the beginning of the packet.

Using these packet descriptions, please answer the following questions.

- a) What is the IP address of the server participating in this exchange of packets? What is the IP address of the client?

The server's address is 137.165.8.2 and the client's address is 137.165.8.3.

- b) How many TCP connections are created during this exchange? Identify the first packet of each connection.

There are two connections. The first starts with the SYN in packet 1. The first packet of the second connection is the SYN sent by the client in packet 20.

- c) Which computer initiates the process of closing each connection, the client or the server?

The server initiates the closing of both connections with the FIN flags in packets 27 and 28. Oddly, the trace does not include FIN packets from the client.

- d) How many documents were fetched from the HTTP server during this transaction?

Three documents are fetched: lectures.html, csstyle.css and adbar.gif.

- e) Which packet contains the acknowledgment for the first GET request from the client? Which packet(s) contains the acknowledgment(s) for the HTML file the server sends in response to the first GET request from the client?

The first GET is acknowledged by packet 5. The data packets the server sends in response are acknowledged by packets 7, 11, and 14.

- f) How many packets are used by the server to transmit the HTML file requested by the client's last GET request? Why is more than one packet required? Which packet contains the acknowledgment for the data in the first of these packets?

The adbar.gif file is sent in two packets simply because it is larger than the largest TCP segment that can be fit within the data field of an ethernet packet. Packet 26 contains a combined acknowledgment for both of these packets.

No.	Source	Source Port	Destination	Source Port	Destination	Dest Port	Total Length	Contents
1	137.165.8.83	63070	137.165.8.2	80	63070	80	78	[SYN] Seq=2298596924 Len=0 MSS=1460 WS=0
Frame 1 (78 bytes on wire, 78 bytes captured)								
Ethernet II, Src: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd), Dst: WwPcbaTe_6c:2f:37 (00:0f:1f:6c:2f:37)								
Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)								
Transmission Control Protocol, Src Port: 63070 (63070), Dst Port: http (80), Seq: 2298596924, Len: 0								
Flags: 0x0002 (SYN)								
No.	Source	Source Port	Destination	Source Port	Destination	Dest Port	Total Length	Contents
2	137.165.8.2	80	137.165.8.83	63070	137.165.8.83	63070	74	http > 63070 [SYN, ACK] Seq=2458096306 Ack=2298596925 Win=57344 Len=0
Frame 2 (74 bytes on wire, 74 bytes captured)								
Ethernet II, Src: WwPcbaTe_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)								
Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)								
Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2458096306, Ack: 2298596925, Len: 0								
Flags: 0x0012 (SYN, ACK)								
No.	Source	Source Port	Destination	Source Port	Destination	Dest Port	Total Length	Contents
3	137.165.8.83	63070	137.165.8.2	80	63070	80	66	63070 > http [ACK] Seq=2298596925 Ack=2458096307 Win=65535 Len=0
Frame 3 (66 bytes on wire, 66 bytes captured)								
Ethernet II, Src: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd), Dst: WwPcbaTe_6c:2f:37 (00:0f:1f:6c:2f:37)								
Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)								
Transmission Control Protocol, Src Port: 63070 (63070), Dst Port: http (80), Seq: 2298596925, Ack: 2458096307, Len: 0								
Flags: 0x0010 (ACK)								
No.	Source	Source Port	Destination	Source Port	Destination	Dest Port	Total Length	Contents
4	137.165.8.83	63070	137.165.8.2	80	63070	80	336	GET /~cs134/f06/lectures.html HTTP/1.1
Frame 4 (336 bytes on wire, 336 bytes captured)								
Ethernet II, Src: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd), Dst: WwPcbaTe_6c:2f:37 (00:0f:1f:6c:2f:37)								
Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)								
Transmission Control Protocol, Src Port: 63070 (63070), Dst Port: http (80), Seq: 2298596925, Ack: 2458096307, Len: 270								
Flags: 0x0018 (PSH, ACK)								
No.	Source	Source Port	Destination	Source Port	Destination	Dest Port	Total Length	Contents
5	137.165.8.2	80	137.165.8.83	63070	137.165.8.83	63070	1514	HTTP/1.1 200 OK (text/html)
Frame 5 (1514 bytes on wire, 1514 bytes captured)								
Ethernet II, Src: WwPcbaTe_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)								
Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)								
Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2458096307, Ack: 2298597195, Len: 1448								
Flags: 0x0010 (ACK)								
No.	Source	Source Port	Destination	Source Port	Destination	Dest Port	Total Length	Contents
6	137.165.8.2	80	137.165.8.83	63070	137.165.8.83	63070	1514	Continuation or non-HTTP traffic
Frame 6 (1514 bytes on wire, 1514 bytes captured)								
Ethernet II, Src: WwPcbaTe_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)								
Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)								
Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2458097755, Ack: 2298597195, Len: 1448								
Flags: 0x0010 (ACK)								
No.	Source	Source Port	Destination	Source Port	Destination	Dest Port	Total Length	Contents

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7 137.165.8.83      63070      137.165.8.2      80      66      63070 > http [ACK] Seq=2298597195 Ack=2458099203 Win=63712 Len=0

Frame 7 (66 bytes on wire, 66 bytes captured)
Ethernet II, Src: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd), Dst: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37)
Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)
Transmission Control Protocol, Src Port: 63070 (63070), Dst Port: http (80), Seq: 2298597195, Ack: 2458099203, Len: 0
Flags: 0x0010 (ACK)

No.    Source          Source Port Destination      Dest Port Total length Contents
8 137.165.8.2      80      137.165.8.83      63070      1514      Continuation or non-HTTP traffic

Frame 8 (1514 bytes on wire, 1514 bytes captured)
Ethernet II, Src: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)
Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)
Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2458099203, Ack: 2298597195, Len: 1448
Flags: 0x0010 (ACK)

No.    Source          Source Port Destination      Dest Port Total length Contents
9 137.165.8.2      80      137.165.8.83      63070      1514      Continuation or non-HTTP traffic

Frame 9 (1514 bytes on wire, 1514 bytes captured)
Ethernet II, Src: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)
Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)
Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2458100651, Ack: 2298597195, Len: 1448
Flags: 0x0010 (ACK)

No.    Source          Source Port Destination      Dest Port Total length Contents
10 137.165.8.2      80      137.165.8.83      63070      1514      Continuation or non-HTTP traffic

Frame 10 (1514 bytes on wire, 1514 bytes captured)
Ethernet II, Src: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)
Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)
Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2458102099, Ack: 2298597195, Len: 1448
Flags: 0x0010 (ACK)

No.    Source          Source Port Destination      Dest Port Total length Contents
11 137.165.8.83      63070      137.165.8.2      80      66      63070 > http [ACK] Seq=2298597195 Ack=2458103547 Win=65535 Len=0

Frame 11 (66 bytes on wire, 66 bytes captured)
Ethernet II, Src: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd), Dst: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37)
Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)
Transmission Control Protocol, Src Port: 63070 (63070), Dst Port: http (80), Seq: 2298597195, Ack: 2458103547, Len: 0
Flags: 0x0010 (ACK)

No.    Source          Source Port Destination      Dest Port Total length Contents
12 137.165.8.2      80      137.165.8.83      63070      1514      Continuation or non-HTTP traffic

Frame 12 (1514 bytes on wire, 1514 bytes captured)
Ethernet II, Src: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)
Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)
Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2458103547, Ack: 2298597195, Len: 1448
Flags: 0x0010 (ACK)

No.    Source          Source Port Destination      Dest Port Total length Contents
13 137.165.8.2      80      137.165.8.83      63070      1048      Continuation or non-HTTP traffic

Frame 13 (1048 bytes on wire, 1048 bytes captured)
Ethernet II, Src: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)

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Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)
 Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2298597195, Ack: 2298597195, Len: 982
 Flags: 0x0018 (PSH, ACK)

No.	Source	Source Port	Destination	Dest Port	Total length	Contents
14	137.165.8.83	63070	137.165.8.2	80	385	GET /csstyle.css HTTP/1.1

Frame 14 (385 bytes on wire, 385 bytes captured)

Ethernet II, Src: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd), Dst: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37)

Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)

Transmission Control Protocol, Src Port: 63070 (63070), Dst Port: http (80), Seq: 2298597195, Ack: 2458105977, Len: 319
 Flags: 0x0018 (PSH, ACK)

No.	Source	Source Port	Destination	Dest Port	Total length	Contents
15	137.165.8.2	80	137.165.8.83	63070	1514	HTTP/1.1 200 OK (text/css)

Frame 15 (1514 bytes on wire, 1514 bytes captured)

Ethernet II, Src: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)

Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)

Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2298597195, Ack: 2298597514, Len: 1448
 Flags: 0x0010 (ACK)

No.	Source	Source Port	Destination	Dest Port	Total length	Contents
16	137.165.8.2	80	137.165.8.83	63070	1514	Continuation or non-HTTP traffic

Frame 16 (1514 bytes on wire, 1514 bytes captured)

Ethernet II, Src: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)

Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)

Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2458107425, Ack: 2298597514, Len: 1448
 Flags: 0x0010 (ACK)

No.	Source	Source Port	Destination	Dest Port	Total length	Contents
17	137.165.8.2	80	137.165.8.83	63070	1514	Continuation or non-HTTP traffic

Frame 17 (1514 bytes on wire, 1514 bytes captured)

Ethernet II, Src: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)

Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)

Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2298597514, Len: 1448
 Flags: 0x0010 (ACK)

No.	Source	Source Port	Destination	Dest Port	Total length	Contents
18	137.165.8.2	80	137.165.8.83	63070	78	Continuation or non-HTTP traffic

Frame 18 (78 bytes on wire, 78 bytes captured)

Ethernet II, Src: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)

Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)

Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2458110321, Ack: 2298597514, Len: 12
 Flags: 0x0018 (PSH, ACK)

No.	Source	Source Port	Destination	Dest Port	Total length	Contents
19	137.165.8.83	63070	137.165.8.2	80	66	63070 > http [ACK] Seq=2298597514 Ack=2458110333 Win=65535 Len=0

Frame 19 (66 bytes on wire, 66 bytes captured)

Ethernet II, Src: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd), Dst: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37)

Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)

Transmission Control Protocol, Src Port: 63070 (63070), Dst Port: http (80), Seq: 2298597514, Ack: 2458110333, Len: 0
 Flags: 0x0010 (ACK)

No.	Source	Source Port	Destination	Dest Port	Total length	Contents
20	137.165.8.83	63071	137.165.8.2	80	78	63071 > http [SYN] Seq=932711780 Len=0 MSS=1460 WS=0
Frame 20 (78 bytes on wire, 78 bytes captured)						
Ethernet II, Src: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd), Dst: WwPcbaTe_6c:2f:37 (00:0f:1f:6c:2f:37)						
Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)						
Transmission Control Protocol, Src Port: 63071 (63071), Dst Port: http (80), Seq: 932711780, Len: 0						
Flags: 0x0002 (SYN)						
No.	Source	Source Port	Destination	Dest Port	Total length	Contents
21	137.165.8.2	80	137.165.8.83	63071	74	http > 63071 [SYN, ACK] Seq=995105002 Ack=932711781 Win=57344 Len=0
Frame 21 (74 bytes on wire, 74 bytes captured)						
Ethernet II, Src: WwPcbaTe_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)						
Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)						
Transmission Control Protocol, Src Port: http (80), Dst Port: 63071 (63071), Seq: 995105002, Ack: 932711781, Len: 0						
Flags: 0x0012 (SYN, ACK)						
No.	Source	Source Port	Destination	Dest Port	Total length	Contents
22	137.165.8.83	63071	137.165.8.2	80	66	63071 > http [ACK] Seq=932711781 Ack=995105003 Win=65535 Len=0
Frame 22 (66 bytes on wire, 66 bytes captured)						
Ethernet II, Src: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd), Dst: WwPcbaTe_6c:2f:37 (00:0f:1f:6c:2f:37)						
Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)						
Transmission Control Protocol, Src Port: 63071 (63071), Dst Port: http (80), Seq: 932711781, Ack: 995105003, Len: 0						
Flags: 0x0010 (ACK)						
No.	Source	Source Port	Destination	Dest Port	Total length	Contents
23	137.165.8.83	63071	137.165.8.2	80	390	GET /images/adbar.gif HTTP/1.1
Frame 23 (390 bytes on wire, 390 bytes captured)						
Ethernet II, Src: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd), Dst: WwPcbaTe_6c:2f:37 (00:0f:1f:6c:2f:37)						
Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)						
Transmission Control Protocol, Src Port: 63071 (63071), Dst Port: http (80), Seq: 932711781, Ack: 995105003, Len: 324						
Flags: 0x0018 (PSH, ACK)						
No.	Source	Source Port	Destination	Dest Port	Total length	Contents
24	137.165.8.2	80	137.165.8.83	63071	1514	HTTP/1.1 200 OK (GIF89a)[Unreassembled Packet]
Frame 24 (1514 bytes on wire, 1514 bytes captured)						
Ethernet II, Src: WwPcbaTe_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)						
Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)						
Transmission Control Protocol, Src Port: http (80), Dst Port: 63071 (63071), Seq: 995105003, Ack: 932712105, Len: 1448						
Flags: 0x0010 (ACK)						
No.	Source	Source Port	Destination	Dest Port	Total length	Contents
25	137.165.8.2	80	137.165.8.83	63071	1377	Continuation or non-HTTP traffic
Frame 25 (1377 bytes on wire, 1377 bytes captured)						
Ethernet II, Src: WwPcbaTe_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)						
Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)						
Transmission Control Protocol, Src Port: http (80), Dst Port: 63071 (63071), Seq: 995106451, Ack: 932712105, Len: 1311						
Flags: 0x0018 (PSH, ACK)						
No.	Source	Source Port	Destination	Dest Port	Total length	Contents
26	137.165.8.83	63071	137.165.8.2	80	66	63071 > http [ACK] Seq=932712105 Ack=995107762 Win=65297 Len=0

Frame 26 (66 bytes on wire, 66 bytes captured)

Ethernet II, Src: AppleCom_a5:4c:fd (00:0f:1f:6c:2f:37), Dst: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37)

Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)

Transmission Control Protocol, Src Port: 63071 (63071), Dst Port: http (80), Seq: 932712105, Ack: 995107762, Len: 0

Flags: 0x0010 (ACK)

No.	Source	Source Port	Destination	Dest Port	Total length	Contents
27	137.165.8.2	80	137.165.8.83	63070	66	http > 63070 [FIN, ACK] Seq=2458110333 Ack=2298597514 Win=57920 Len=0

Frame 27 (66 bytes on wire, 66 bytes captured)

Ethernet II, Src: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)

Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)

Transmission Control Protocol, Src Port: http (80), Dst Port: 63070 (63070), Seq: 2298597514, Len: 0

Flags: 0x0011 (FIN, ACK)

No.	Source	Source Port	Destination	Dest Port	Total length	Contents
28	137.165.8.2	80	137.165.8.83	63071	66	http > 63071 [FIN, ACK] Seq=995107762 Ack=932712105 Win=57920 Len=0

Frame 28 (66 bytes on wire, 66 bytes captured)

Ethernet II, Src: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37), Dst: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd)

Internet Protocol, Src: 137.165.8.2 (137.165.8.2), Dst: 137.165.8.83 (137.165.8.83)

Transmission Control Protocol, Src Port: http (80), Dst Port: 63071 (63071), Seq: 932712105, Len: 0

Flags: 0x0011 (FIN, ACK)

No.	Source	Source Port	Destination	Dest Port	Total length	Contents
29	137.165.8.83	63070	137.165.8.2	80	66	63070 > http [ACK] Seq=2298597514 Ack=2458110334 Win=65535 Len=0

Frame 29 (66 bytes on wire, 66 bytes captured)

Ethernet II, Src: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd), Dst: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37)

Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)

Transmission Control Protocol, Src Port: 63070 (63070), Dst Port: http (80), Seq: 2298597514, Ack: 2458110334, Len: 0

Flags: 0x0010 (ACK)

No.	Source	Source Port	Destination	Dest Port	Total length	Contents
30	137.165.8.83	63071	137.165.8.2	80	66	63071 > http [ACK] Seq=932712105 Ack=995107763 Win=65535 Len=0

Frame 30 (66 bytes on wire, 66 bytes captured)

Ethernet II, Src: AppleCom_a5:4c:fd (00:16:cb:a5:4c:fd), Dst: WwPcbate_6c:2f:37 (00:0f:1f:6c:2f:37)

Internet Protocol, Src: 137.165.8.83 (137.165.8.83), Dst: 137.165.8.2 (137.165.8.2)

Transmission Control Protocol, Src Port: 63071 (63071), Dst Port: http (80), Seq: 932712105, Ack: 995107763, Len: 0

Flags: 0x0010 (ACK)