

Question 1.

What is the IP address and TCP port number used by the client computer (source) that is transferring the file to gaia.cs.umass.edu? To answer this question, it's probably easiest to select an HTTP message and explore the details of the TCP packet used to carry this HTTP message.

IP: 192.168.1.49

Port: 51080

Question 2.

What is the IP address of gaia.cs.umass.edu? On what port number is it sending and receiving TCP segments for this connection?

IP: 128.119.245.12

Port: 80

Question 3.

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

Sequence number: 0

Question 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?

Sequence number: 0

Question 5.

What is the value of the ACK field in the SYNACK segment?

ACK: 1

Question 6.

What is the sequence number of the TCP segment containing the HTTP POST command?

Note: This is not the HTTP POST packet you find by typing "http" into the search filter. To find the packet in question, 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.

Sequence number: 1

Question 7.

Consider the TCP segment from question 6 as the first segment in the TCP connection. The next packet sent from the client is then the second packet. Use the difference between when the packet was sent and the ACK received to determine the RTT for the second packet?

RTT: 0,119678

Question 8.

What is the length of the third packet? Use the length of the TCP segment.

LEN: 1460

Question 9.

Are there any retransmitted segments in the trace file?

No