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CS433

UDP

(a) How many packets have been captured and caught by the filter?

6

(b) How many packets were sent from your local machine and how many from the remote machine?

3 from local, 3 from the remote.

(c) What is the Ethernet address of the local machine? What is the Ethernet address of the remote machine?

Local: 172.26.90.56

Remote: 172.26.91.163

(d) Choose one of the data packets sent from the local machine to the remote machine.

i. What was the text message you entered at the keyboard?

321

ii. How many bytes of application data are in the frame? (That is, the string you entered at the keyboard.)

5 bytes

iii. How many bytes are in the UDP header?

20 bytes

TCP

(a) How many packets have been captured and caught by the filter?

15

(b) How many packets were sent from your local machine and how many from the remote machine?

11 from local, 4 from remote

(c) How many packets were used in setting up the TCP connection? How many were used to send data? How many contained only acknowledgments? How many were used to tear down the TCP connection?

3 packets for set up, 6 for send data, 3 for acknowledgments, 3 for tear down.

(d) What is the Ethernet address of the local machine? What is the Ethernet address of the remote machine?

Local: 192.168.24.136

Remote: 172.26.91.163

(e) Choose one of the data packets sent from the local machine to the remote machine.

(f) i. What was the text message you entered at the keyboard?

hello

ii. How many bytes of application data are in the frame? (That is, the string you entered at the keyboard.)

7 bytes

iii. How many bytes are in the TCP header?

20 bytes

iv. How many bytes are in the IP header?

27 bytes

v. How many bytes are in the Ethernet header?

7 bytes

vi. What is the total number of bytes in the frame?

61 bytes

