Dashboard / My courses / COSC264 / Week 12: Quiz (TCP, UDP, Web and HTTP) / Quiz: Web and HTTP
Question 1
Correct
Mark 2.00 out of 2.00
What does TCP use to multiplex/demultiplex between applications?
Penalty regime: 50%, 100%
Select one:
a. Src and dst port numbers.
○ b. Src and dst MAC addresses
○ c. Options
Clear my choice
Check
CHECK
Vous consumits control
Your answer is correct.
Correct Marks for this submission: 2.00/2.00.
Question 2
Correct
Mark 2.00 out of 2.00
Why does TCP not have a payload length field, like UDP?
Penalty regime: 33%, 66%, 100%
Select one:
 a. TCP negotiates the size of TCP segments in the handshake.
○ b. The TCP packet size is always four times the header size.
○ c. IP stores the length meaning TCP doesn't need to.
● d. TCP sends a byte stream and therefore no distinction is made between TCP segments.
Clear my choice
Check
Your answer is correct.
Correct
Marks for this submission: 2.00/2.00.

Question 3	
Correct	
Mark 2.00 out of 2.00	
A UDP socket is identified by:	
Penalty regime: 33%, 66%, 100%	
Select one or more: □ a. source IP address	
✓ b. destination IP address	~
☐ c. source port number	
☑ d. destination port number	~
Check	
Your answer is correct.	
You have correctly selected 2.	
Correct	
Marks for this submission: 2.00/2.00.	
Question 4	
Question 4 Correct	
Correct	
Correct	
Correct Mark 2.00 out of 2.00	
Correct Mark 2.00 out of 2.00 A TCP socket is identified by: Penalty regime: 33%, 66%, 100%	
Correct Mark 2.00 out of 2.00 A TCP socket is identified by: Penalty regime: 33%, 66%, 100% Select one or more:	
Correct Mark 2.00 out of 2.00 A TCP socket is identified by: Penalty regime: 33%, 66%, 100% Select one or more: a. source port number	*
Correct Mark 2.00 out of 2.00 A TCP socket is identified by: Penalty regime: 33%, 66%, 100% Select one or more: a. source port number b. source IP address	~
Correct Mark 2.00 out of 2.00 A TCP socket is identified by: Penalty regime: 33%, 66%, 100% Select one or more: a. source port number	* * *
Correct Mark 2.00 out of 2.00 A TCP socket is identified by: Penalty regime: 33%, 66%, 100% Select one or more: a. source port number b. source IP address	* * * * *
Correct Mark 2.00 out of 2.00 A TCP socket is identified by: Penalty regime: 33%, 66%, 100% Select one or more: ② a. source port number ② b. source IP address ② c. destination IP address ② d. destination port number	* * * *
Correct Mark 2.00 out of 2.00 A TCP socket is identified by: Penalty regime: 33%, 66%, 100% Select one or more: a. source port number b. source IP address c. destination IP address	* * * *
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Correct Mark 2.00 out of 2.00 A TCP socket is identified by: Penalty regime: 33%, 66%, 100% Select one or more: a. source port number b. source IP address c. destination IP address d. destination port number Check	* * * *
Correct Mark 2.00 out of 2.00 A TCP socket is identified by: Penalty regime: 33%, 66%, 100% Select one or more: a. source port number b. source IP address c. destination IP address d. destination port number Check Your answer is correct. You have correctly selected 4.	* * * *
Correct Mark 2.00 out of 2.00 A TCP socket is identified by: Penalty regime: 33%, 66%, 100% Select one or more: a. source port number b. source IP address c. destination IP address d. destination port number Check Your answer is correct. You have correctly selected 4.	* * * *

Information

A screenshot of a UDP segment captured by WireShark is given below. Please answer the following questions based on this figure.

Question **5**Correct
Mark 4.00 out of 4.00

The source port number in this UDP segment is

55039

~

Penalty regime: 33%, 66%, 100%

Check

You have correctly selected 1.

Correct

Marks for this submission: 4.00/4.00.

Question **6**Correct

Mark 4.00 out of 4.00

The destination port number of this UDP segment is

443

~ .

Penalty regime: 33%, 66%, 100%

Check

You have correctly selected 1.

Correct

Marks for this submission: 4.00/4.00.

Question **7**Correct
Mark 4.00 out of 4.00

The length of this UDP segment is

493

485

✓ . Therefore the UDP header occupies

8

✓ bytes.

Penalty regime: 33%, 66%, 100%

Check

You have correctly selected 3.

Correct

Marks for this submission: 4.00/4.00

Information

A screenshot of a TCP segment (captured by Wireshark) is given below. Please answer the following questions based on this figure.

✓ Wireshark · Packet 3 · Wi-Fi

> Frame 3: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface 0 > Ethernet II, Src: JuniperN_40:05:00 (28:a2:4b:40:05:00), Dst: IntelCor_7e:78:72 (dc:fb:48:7e:78:72) > Internet Protocol Version 4, Src: 132.181.109.99, Dst: 10.34.27.79 ▼ Transmission Control Protocol, Src Port: 443, Dst Port: 50437, Seq: 3220251529, Ack: 190380565, Len: 0 Source Port: 443 Destination Port: 50437 [Stream index: 1] [TCP Segment Len: 0] Sequence number: 3220251529 [Next sequence number: 3220251529] Acknowledgment number: 190380565 0101 = Header Length: 20 bytes (5) > Flags: 0x010 (ACK) Window size value: 23768 [Calculated window size: 23768] [Window size scaling factor: -1 (unknown)] Checksum: 0x8bc9 [unverified] [Checksum Status: Unverified] Urgent pointer: 0 > [SEQ/ACK analysis] > [Timestamps]

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Question 8 Correct Mark 2.00 out of 2.00	
The source port number 443 ✓ and 50437 ✓ respectively. Penalty regime: 33%, Check You have correctly se Correct Marks for this submission	ected 2.
Question 9 Correct Mark 2.00 out of 2.00	
The sequence number 3220251529 ✓ and 190380565 ✓ respectively. Penalty regime: 33%, Check You have correctly se	ected 2.
Question 10 Correct Mark 4.00 out of 4.00	
The size of receive wing 23768 ✓ . Penalty regime: 33%,	ndow of this TCP segment is 66%, 100%

Correct

Marks for this submission: 4.00/4.00.

You have correctly selected 1.

Question 11	
Correct	
Mark 4.00 out of 4.00	
In TCP 3-way handshaking, the client-side TCP first sends a SYN segment to the server-side TCP. Suppose the client randomly chooses an initial sequence number, <i>client_isn</i> . What is the ACK number in the corresponding SYNACK segment generated by the server? Penalty regime: 33%, 66%, 100%	
Select one: a. client_isn +1	
b. Another random number	
c. client_isn	
○ d. 0	
Clear my choice	
Check	
Your answer is correct.	
Correct	
Marks for this submission: 4.00/4.00.	
Question 12	
Correct	
Mark 2.67 out of 4.00	
Suppose the sequence number of the SYNACK segment (generated by the server) is server_isn. After receiving the SYNACK segment, the client sends back another segment acknowledging this reception. What is the sequence number of this segment?	
Penalty regime: 33%, 66%, 100%	
Select one:	
○ a. server_isn	
● b. client_isn +1	
○ c. server_isn +1	
○ d. client_isn	
Clear my choice	
Check	
Vour appwar is correct	
Your answer is correct.	
Correct Marks for this submission: 4.00/4.00. Accounting for previous tries, this gives 2.67/4.00 .	

Question 13	
Correct	
Mark 4.00 out of 4.00	
Following the last question, what is the ACK number in the segment sent by the client after receiving the SYNACK segment from the server?	
Penalty regime: 33%, 66%, 100%	
Select one:	
○ a. client_isn +1	
○ b. server_isn	
○ c. client_isn	
● d. server_isn +1	~
Clear my choice	
Check	
Your answer is correct.	
Correct Marks for this submission: 4.00/4.00.	
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Superquiz (RDT protocols)	
Jump to	

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