Exam : **1T6-521**

Title : Application Performance
Analysis & Troubleshooting

Version : DEMO

1. One component in an application turn is _____ .

A. Server response time

B. Network process time

C. Application response time

D. Client acknowledgement time

Answer: A

2. When creating a filter in the Sniffer to select only the traffic to or from the client for a particular conversation, the best approach is to focus on a _____ .

A. TCP well known port number

B. TCP unknown port number

C. TCP ephemeral port number

D. TCP port number in the range 512-1024

Answer: C

3. When using Application Intelligence, Server Time may be defined as _____ .

A. The total time required to send a request and receive a response

B. The total time packets are on the network for a particular flow

C. The total time it takes for a packet to travel from client to server based on TCP handshakes

D. The net time for the server to respond to a client request

Answer: D

4. A large Window size used by a client could cause _____ .

A. The server to consume more resources

B. Increased number of ACKs to be sent

C. Increased delay when frames are lost

D. None of the above

Answer: D

5. _____is the amount of time, based on the engineering of the network, to complete a task.

A. Throughput

B. Delay

C. Access time

D. Latency

Answer: B

6. _____is a protocol used to perform Control and Signaling functions in a VoIP conversation.

A. Session Initiation Protocol

B. Real-Time Streaming Protocol

C. Cisco Skinny Client Control Protocol

D. All of the above

Answer: D

7. When reviewing trace data in a multi-tier application, application server requests can be associated with database responses using _____.

A. TCP port numbers

B. Request ID

C. Raw data in the database response

D. Formatted data in the application response

Answer: A

8. An application that is sensitive to Jitter is primarily sensitive to _____.

A. Network congestion

B. Bandwidth latency

C. Distance latency D.

Application turns

Answer: A

9. What does a Window value of 8760 in a TCP header mean?

A. The sender is confirming the 8760 bytes have been sent

B. The sender has 8760 bytes in its buffer

C. The sender has received a total of 8760 bytes

D. The sender has buffer space for 8760 more bytes

Answer: D

10. The TCP 4-way handshake is used to _____.

A. Indicate the start of a flow of data

B. Identify the client request parameters

C. End a connection

D. Establish a connection

Answer: C

11. When using Application Intelligence, End-to-End Response Time may be defined as _____.

A. The total time required to send a request and receive a response

B. The total time packets are on the network for a particular flow

C. The total time it takes for a packet to travel from client to server based on TCP handshakes

D. The net time for the server to respond to a client request

Answer: A

12. To accurately calculate _____ we must know the slowest link speed in the path between client and server

A. Distance latency B.

Congestion delay C.

Bandwidth latency D.

Round-trip time

Answer: C

13. The image below is a view of the Sniffer Summary window.

Source Address	Dest Address	Summary	Len (Bytes)
LOSBSHERMANLT0	web.xdrive.com	TCP: D=80 S=1045 SYN SEQ=2061578185 LEN=0 WI	62
web.xdrive.com	LOSBSHERMANLT0	TCP: D=1045 S=80 SYN ACK=2061578186 SEQ=1437	62
LOSBSHERMANLT0	web.xdrive.com	TCP: D=80 S=1045 ACK=1437032377 WIN=8760	60
LOSBSHERMANLT0	web.xdrive.com	HTTP: C Port=1045 GET /images/spacer.gif HT	395
web.xdrive.com	LOSBSHERMANLT0	TCP: D=1045 S=80 ACK=2061578527 WIN=2485	60
web.xdrive.com	LOSBSHERMANLT0	HTTP: R Port=1045 HTTP/1.1 Status=OK-43 byt	326
LOSBSHERMANLT0	web.xdrive.com	Expert: Ack Too Long	60
		TCP: D=80 S=1045 ACK=1437032649 WIN=8488	
LOSBSHERMANLT0	web.xdrive.com	HTTP: C Port=1045 GET /images/title_black_h	423
web.xdrive.com	LOSBSHERMANLT0	HTTP: Continuation of frame 235;47 Bytes of	101
LOSBSHERMANLT0	web.xdrive.com	TCP: D=80 S=1045 ACK=1437032649 WIN=8488	66
web.xdrive.com	LOSBSHERMANLT0	HTTP: R Port=1045 HTTP/1.1 Status=OK-1076 b	1314
LOSBSHERMANLT0	web.xdrive.com	TCP: D=80 S=1045 ACK=1437033956 WIN=8760	60
LOSBSHERMANLT0	web.xdrive.com	HTTP: C Port=1045 GET /x/images/title_black	425
web.xdrive.com	LOSBSHERMANLT0	HTTP: R Port=1045 HTTP/1.1 Status=OK-1002 b	1204
LOSBSHERMANLT0	web.xdrive.com	HTTP: C Port=1045 GET /images/title_black_b	421
web.xdrive.com	LOSBSHERMANLT0	HTTP: R Port=1045 HTTP/1.1 Status=OK-96 byt	379
LOSBSHERMANLT0	web.xdrive.com	HTTP: C Port=1045 GET /images/title_new_fea	425
web.xdrive.com	LOSBSHERMANLT0	HTTP: R Port=1045 HTTP/1.1 Status=OK-2846 b	1314
web.xdrive.com	LOSBSHERMANLT0	HTTP: Continuation of frame 274;1260 Bytes o	1314
LOSBSHERMANLT0	web.xdrive.com	TCP: D=80 S=1045 ACK=1437037951 WIN=8760	60

How many application turns are shown?

A. 5

B. 6

C. 7

D. Can not be determined based on the information shown

Answer: A

14. Which of the following statements is true regarding the Real-time Transport Protocol?

A. Used by several protocols to provide end-to-end transmission of real-time data

B. Uses a proxy agent for client-server communications

C. Operates as a client-server protocol

D. Keep-alive messages provide status information

Answer: A

15. When capturing data in a multi-tier environment, attach the Sniffer to the application server using

_____.   (Choose all that apply)

A. A full duplex interface

B. A tap on the server connection

C. A mirror on the server switch port

D. A mirror on the database switch port

E. Two Sniffer network analyzers

Answer: BC

16. The well-known port used by FTP servers to establish a Data connection is:

A. 10

B. 20

C. 21

D. Variable

Answer: C

17. The slowest component on a server will be _____.

A. Random Access Memory (RAM)

B. Disk I/O

C. Central Processing Unit (CPU)

D. The constraint (bottleneck)

Answer: D

18. When using Application Intelligence to isolate traffic distribution we should focus on _____.

A. Throughput

B. Number of packets

C. Total number of bytes

D. All of the above

Answer: D

19. Which of the following may contribute to poor application performance?   (Choose all that apply)

A. Client processing of incoming requests

B. Server processing of incoming requests

C. Queuing of frames on an intermediate router

D. Efficient use of TCP/IP protocols

E. Inefficient configuration of TCP

Answer: BCE

20. The _____ type of application usually does not have any request/reply interactions after the initial session is established.

A. Interactive

B. Throughput-oriented

C. Transaction-oriented

D. Streaming

Answer: D

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