

**Exam Code:** 1T6-521

**Exam Name:** Application Performance Analysis and  
Troubleshooting

**Vendor:** Network General Corp

**Version:** DEMO

## Part: A

1: One component in an application turn is \_\_\_\_\_.

- A.Server response time
- B.Network process time
- C.Application response time
- D.Client acknowledgement time

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: C**

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

Source Address	Dest Address	Summary	Len (Bytes)
LOSBSHERMANLTO	web.xdrive.com	TCP: D=80 S=1045 SYN SEQ=2061578185 LEN=0 WII	62
web.xdrive.com	LOSBSHERMANLTO	TCP: D=1045 S=80 SYN ACK=2061578186 SEQ=14371	62
LOSBSHERMANLTO	web.xdrive.com	TCP: D=80 S=1045 ACK=1437032377 WIN=8760	60
LOSBSHERMANLTO	web.xdrive.com	HTTP: C Port=1045 GET /images/spacer.gif HT	395
web.xdrive.com	LOSBSHERMANLTO	TCP: D=1045 S=80 ACK=2061578527 WIN=2485	60
web.xdrive.com	LOSBSHERMANLTO	HTTP: R Port=1045 HTTP/1.1 Status=OK-43 byte	326
LOSBSHERMANLTO	web.xdrive.com	Expert: Ack Too Long	60
		TCP: D=80 S=1045 ACK=1437032649 WIN=8488	
LOSBSHERMANLTO	web.xdrive.com	HTTP: C Port=1045 GET /images/title_black_h	423
web.xdrive.com	LOSBSHERMANLTO	HTTP: Continuation of frame 235:47 Bytes of	101
LOSBSHERMANLTO	web.xdrive.com	TCP: D=80 S=1045 ACK=1437032649 WIN=8488	66
web.xdrive.com	LOSBSHERMANLTO	HTTP: R Port=1045 HTTP/1.1 Status=OK-1076 b	1314
LOSBSHERMANLTO	web.xdrive.com	TCP: D=80 S=1045 ACK=1437033956 WIN=8760	60
LOSBSHERMANLTO	web.xdrive.com	HTTP: C Port=1045 GET /x/images/title_black	425
web.xdrive.com	LOSBSHERMANLTO	HTTP: R Port=1045 HTTP/1.1 Status=OK-1002 b	1204
LOSBSHERMANLTO	web.xdrive.com	HTTP: C Port=1045 GET /images/title_black_b	421
web.xdrive.com	LOSBSHERMANLTO	HTTP: R Port=1045 HTTP/1.1 Status=OK-96 byte	379
LOSBSHERMANLTO	web.xdrive.com	HTTP: C Port=1045 GET /images/title_new_fea	425
web.xdrive.com	LOSBSHERMANLTO	HTTP: R Port=1045 HTTP/1.1 Status=OK-2846 b	1314
web.xdrive.com	LOSBSHERMANLTO	HTTP: Continuation of frame 274:1260 Bytes o	1314
LOSBSHERMANLTO	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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: B C**

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

A.10

B.20

C.21

D.Variable

**Correct Answers: 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)

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: B C E**

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

**Correct Answers: D**