# IT认证电子书

质　量　更　高　　服　务　更　好

半年免费升级服务

http://www.itrenzheng.com

**Exam** : **1T6-511**

**Title** : Network Analysis & Troubleshooting

**Version** : DEMO

1. To save a trace file as a compressed file from the Sniffer you must use the extension:

A. CAP

B. zip

C. enc

D. caz

**Answer:** D

2. This is a screen from the Decode Summary window.

| Source Address | Dest Address | Summary |
|---|---|---|
| 001111195130 | Broadcast | ARP: C PA=[192.168.0.26] PRO=IP |
| Dell 3BF149 | 001111195130 | ARP: R PA=[192.168.0.26] HA=Dell 3BF149 PRO=IP |
| Cisco 32D494 | Bridge_Group_Addr | BPDU: S:Pri=8000 Port=8022 Root:Pri=8000 Addr=00B06432D480 Cost=0 |
| [192.168.0.1] | [192.168.0.26] | ICMP: Echo |
| [192.168.0.26] | [192.168.0.1] | ICMP: Echo reply |
| [192.168.0.1] | [192.168.0.26] | ICMP: Echo |
| [192.168.0.26] | [192.168.0.1] | ICMP: Echo reply |

Which of the following statements is true for this capture?

A. 192.168.0.1 initiated a ping

B. 192.168.0.26 initiated a ping

C. 192.168.0.26 has a MAC address of 001111195130

D. 192.168.0.1 should not repeat the ICMP: Echo

**Answer:** A

3. This is the Detail window for this question.

```
UDP: D=138 S=138  LEN=209
NETB: D=VNU-OPS<1D> S=EDITSTATION12
CIFS/SMB: C Transaction
```

Which of the following statements is true for this Decode Detail window?

A. One of the UDP ports should be ephemeral

B. UDP is the Station layer protocol

C. NETB is the Connection layer protocol

D. UDP is the Transport layer protocol

**Answer:** D

4. When troubleshooting a slow application, which of the following could be indicators of an application-specific problem?

A. Commands with timely responses

B. Large or full-size frames

C. Long Delta times before each client request

D. None of the above

**Answer:** D

5. This is the Decode Hex window for this question.

```
00000000: 00 11 11 19 51 30 00 10 a4 b8 90 f5 08 00 45 00 ....Q0..¤¸□õ..E.
00000010: 00 64 bf a2 40 00 80 06 8b c2 c0 a8 00 02 42 62 .d¿¢@.€.‹ÂÀ¨..Bb
00000020: ac 22 3b b5 05 2e b7 8b 67 c7 46 94 2e 08 50 18 ¬";µ..·‹gÇF″..P.
00000030: 44 70 5b 3d 00 00 3b 30 20 4c 4f 47 49 4e 20 74 Dp[=..;0 LOGIN t
00000040: 65 63 68 73 75 70 70 74 32 20 71 77 65 72 74 79 echsuppt2 qwerty
00000050: 20 31 37 34 30 20 31 20 31 35 35 37 37 32 20 71  1740 1 155772 q
00000060: 77 65 72 74 79 62 61 62 65 20 64 69 6e 67 64 6f wertybabe dingdo
00000070: 6e 67                                           ng
```

If you were going to create a Data Pattern filter on LOGIN it would be helpful to know that the letter is at offset _____.

A. 38

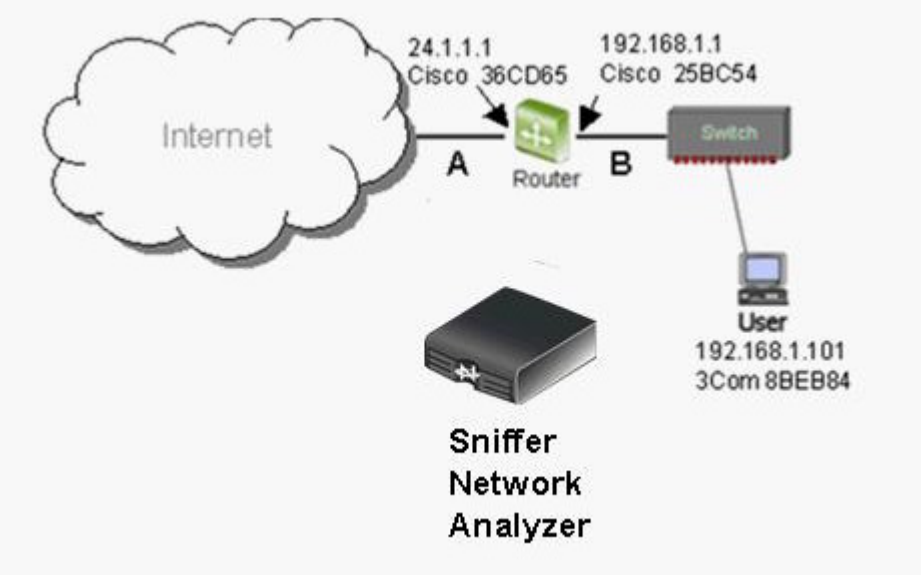
B. 39

C. 3A

D. 3B

**Answer:** B

6. This is the network map.




If a Sniffer Network Analyzer captured a frame at point A going from User to a server somewhere on the Internet, that frame would contain: (Choose all that apply.)

A. An IP destination address of 24.1.1.1

B. An IP destination address of the server

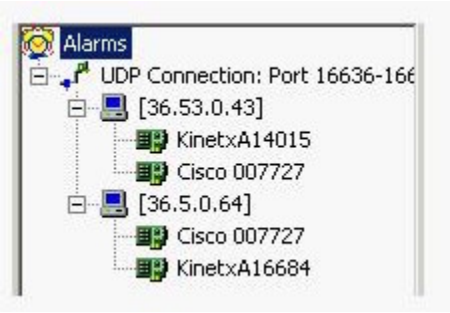
C. A DLC destination address of Cisco 36CD65

D. A DLC source address of Cisco 36CD65

E. An IP source address of 192.168.1.101

**Answer:** BDE

7. This is a screen from the Expert Objects detail.




Which of the following statements are true for this Object detail screen? (Choose all that apply.)

A. This is the detail for a Duplicate IP Address alarm

B. This is the detail for a Local Routing alarm

C. KinetxA14015 is a robable Prouter

D. This is the detail for a Window Exceeded alarm

E. This is a connectionless Conversation

**Answer:** BE

8. The only frame type that contains a DLC Ethertype field is:

A. Novell Law frame

B. Ethernet version two

C. 802.3 frame

D. 802.3 with SNAP

**Answer:** B

9. Which of the following protocols are summarized when the Expert Overview pane and Station layer are selected?

A. ARP, Ethernet, Cisco CDP

B. ICMP. IP, IPX

C. TCP, UDP

D. NetBIOS, SMB

**Answer:** B

10. Which of the following best describes the function of the Transport layer of the OSI Reference Model?

A. Packet framing

B. Reports upper-layer errors

C. Connection management

D. Manages user sessions

**Answer:** C

11. OSI layer 4 is concerned with _____.

A. ACKs and flow control working correctly

B. Routing or frame delivery

C. Connections working correctly

D. Physical problems

**Answer:** A

12. The OSI Transport layer corresponds to the Expert _____ layer.

A. Data Link

B. Connection

C. Session

D. Network

**Answer:** B

13. Which of the following resources in the Sniffer is useful in identifying the endpoints in conversations in a captured trace?

A. Expert DLC Layer Summary

B. Pattern Match filter

C. Matrix

D. All of the above

**Answer:** C

14. A sound troubleshooting methodology includes as part of the process a focus on finding imbalances or errors.

A. TRUE

B. FALSE

**Answer:** A

15. Which of the following is recommended as part of the troubleshooting methodology?

A. Use the Expert and Summary window first

B. Use the Detail window first

C. Use a top-down approach

D. Use the Hex window first

**Answer:** A

16. The interframe spacing in Fast Ethernet is _____.

A. 9.6 milliseconds

B. 96.0 nanoseconds

C. .96 microseconds

D. .96 milliseconds

**Answer:** C

17. This is the Summary window for this question.

| No. | Status | Source Address | Dest Address | Summary |
|---|---|---|---|---|
| 29 | [A] | [10.10.10.100] | [10.10.10.97] | TCP: D=80 S=4123 SYN SEQ=20653579 LEN=0 WIN=65535 |
| 30 | [B] | [10.10.10.97] | [10.10.10.100] | TCP: D=4123 S=80 SYN ACK=20653580 SEQ=139386105 LEN=0 WIN=4128 |
| 31 | [A] | [10.10.10.100] | [10.10.10.97] | TCP: D=80 S=4123 ACK=139386106 WIN=65535 |
| 32 | [A] | [10.10.10.100] | [10.10.10.97] | HTTP: C Port=4123 GET /exec/show/device/portinfo/CR HTTP/1.1 |
| 33 | [B] | [10.10.10.97] | [10.10.10.100] | HTTP: R Port=4123 HTTP/1.0 Status=Unauthorized |
| 34 | [A] | [10.10.10.100] | [10.10.10.97] | TCP: D=80 S=4123 FIN ACK=139386444 SEQ=20653754 LEN=0 WIN=65197 |
| 35 | [A] | [10.10.10.100] | [10.10.10.97] | TCP: D=80 S=4124 SYN SEQ=20653603 LEN=0 WIN=65535 |
| 36 | [B] | [10.10.10.97] | [10.10.10.100] | TCP: D=4123 S=80 ACK=20653755 WIN=3954 |
| 37 | [B] | [10.10.10.97] | [10.10.10.100] | TCP: D=4124 S=80 SYN ACK=20653604 SEQ=3744768563 LEN=0 WIN=4128 |
| 38 | [A] | [10.10.10.100] | [10.10.10.97] | TCP: D=80 S=4124 ACK=3744768564 WIN=65535 |
| 39 | [A] | [10.10.10.100] | [10.10.10.97] | HTTP: C Port=4124 GET /exec/show/device/portinfo/CR HTTP/1.1 |
| 40 | [B] | [10.10.10.97] | [10.10.10.100] | TCP: D=4123 S=80 FIN ACK=20653755 SEQ=139386444 LEN=0 WIN=3954 |
| 41 | [A] | [10.10.10.100] | [10.10.10.97] | TCP: D=80 S=4123 ACK=139386445 WIN=65197 |
| 42 | [B] | [10.10.10.97] | [10.10.10.100] | TCP: D=4124 S=80 ACK=20653825 WIN=3907 |

Which frames are part of the session close process in this example? (Choose all that apply.)

A. 34

B. 36

C. 38

D. 40

E. 41

**Answer:** ABDE

18. In the Sniffer Expert interface, the Service layer objects relate to which layer of the OSI reference model?

A. Application layer

B. Presentation layer

C. Session layer

D. Transport layer

**Answer:** A

19. This is the Summary window for this question.

| No. | St | Source Address | Dest Address | Summary | Delta Time |
|---|---|---|---|---|---|
| 28 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 IAC Won't Echo | 0.000.413 |
| 29 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 login: | 0.000.246 |
| 30 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 IAC Do Echo | 0.000.061 |
| 31 | | [192.168.0.26] | [192.168.0.1] | TCP: D=3043 S=23 ACK=3877413358 WIN= | 0.037.679 |
| 32 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 u | 1.226.999 |
| 33 | | [192.168.0.26] | [192.168.0.1] | TCP: D=3043 S=23 ACK=3877413359 WIN= | 0.000.262 |
| 34 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 u | 0.000.279 |
| 35 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 s | 0.093.591 |
| 36 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 s | 0.000.434 |
| 37 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 e | 0.090.477 |
| 38 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 e | 0.000.532 |
| 39 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 r | 0.060.970 |
| 40 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 r | 0.000.432 |
| 41 | | [192.168.0.1] | [192.168.0.26] | TCP: D=23 S=3043 ACK=15813354 WIN=17 | 0.116.841 |
| 42 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 2 | 0.725.625 |
| 43 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 2 | 0.000.517 |
| 44 | | [192.168.0.1] | [192.168.0.26] | TCP: D=23 S=3043 ACK=15813355 WIN=17 | 0.179.068 |
| 45 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 <0D> | 1.439.456 |
| 46 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 <0D0A> | 0.000.529 |
| 47 | | [192.168.0.1] | [192.168.0.26] | TCP: D=23 S=3043 ACK=15813357 WIN=17 | 0.169.318 |
| 48 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 Password: | 0.000.268 |
| 49 | | [192.168.0.1] | [192.168.0.26] | TCP: D=23 S=3043 ACK=15813367 WIN=17 | 0.200.892 |
| 50 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 p | 1.061.153 |

Examine this capture closely. Which statement is true?

A. This appears to be a ormal Telnet session

B. Telnet is a session layer protocol

C. The delta times in frames 32, 45, and 50 would warrant investigation

D. None of the above

**Answer:** A

20. This is the Summary window for this question.


| No. | St | Source Address | Dest Address | Summary | Delta Time |
|---|---|---|---|---|---|
| 28 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 IAC Won't Echo | 0.000.413 |
| 29 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 login: | 0.000.246 |
| 30 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 IAC Do Echo | 0.000.061 |
| 31 | | [192.168.0.26] | [192.168.0.1] | TCP: D=3043 S=23 ACK=3877413358 WIN= | 0.037.679 |
| 32 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 u | 1.226.999 |
| 33 | | [192.168.0.26] | [192.168.0.1] | TCP: D=3043 S=23 ACK=3877413359 WIN= | 0.000.262 |
| 34 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 u | 0.000.279 |
| 35 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 s | 0.093.591 |
| 36 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 s | 0.000.434 |
| 37 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 e | 0.090.477 |
| 38 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 e | 0.000.532 |
| 39 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 r | 0.060.970 |
| 40 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 r | 0.000.432 |
| 41 | | [192.168.0.1] | [192.168.0.26] | TCP: D=23 S=3043 ACK=15813354 WIN=17 | 0.116.841 |
| 42 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 2 | 0.725.625 |
| 43 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 2 | 0.000.517 |
| 44 | | [192.168.0.1] | [192.168.0.26] | TCP: D=23 S=3043 ACK=15813355 WIN=17 | 0.179.068 |
| 45 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 <0D> | 1.439.456 |
| 46 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 <0D0A> | 0.000.529 |
| 47 | | [192.168.0.1] | [192.168.0.26] | TCP: D=23 S=3043 ACK=15813357 WIN=17 | 0.169.318 |
| 48 | | [192.168.0.26] | [192.168.0.1] | Telnet: R PORT=3043 Password: | 0.000.268 |
| 49 | | [192.168.0.1] | [192.168.0.26] | TCP: D=23 S=3043 ACK=15813367 WIN=17 | 0.200.892 |
| 50 | | [192.168.0.1] | [192.168.0.26] | Telnet: C PORT=3043 p | 1.061.153 |

Examine this capture closely. Expert display is disabled. Which statement is true?

A. Telnet is a session layer protocol

B. The user at 192.168.0.1 would complain of slow response

C. The delta times in frames 32, 45, and 50 would warrant investigation

D. None of the above

**Answer:** D