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**Convergence Technologies Professional 2007**

**Practice Questions and Answers**

**By: ExamKiller Inc.**

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**SessionA:65 Questions**

**SessionB:65 Questions**

**SessionC:65 Questions**

**SessionA**

1.You wish to secure VoWLAN transmissions using 802.11i. What technique is used to secure transmissions?

- A.A 3-way handshake.
- B.A 4-way handshake.
- C.SSL certificates obtainedby a PKI server.
- D.The Advanced Encryption Standard (AES).

Answer: B

2. Which of the following is based on the Extensible Authentication Protocol (EAP), usually uses a RADIUS server, can be used to authenticate wireless voice andvideousers, but does not specify encryption of data?

- A.802.1x
- B.802.11i
- C.A gateway.
- D.A gatekeeper.

Answer: A

3. Consider the following output of the traceroute command:

```
1 161.58.14.161 (161.58.14.161) 0.409 ms 0.291 ms 0.269 ms
2 ge-1-2-0.378.r01.stngva01.us.wh.verio.net (204.2.127.185) 0.447 ms 0.343 ms 0.334 ms
3 v1-5.r03.stngva01.us.bb.gin.ntt.net (129.250.27.215) 0.470 ms 0.406 ms 0.364 ms
4 xe-4-0-0.r21.asbnva01.us.bb.gin.ntt.net (129.250.2.18) 1.088 ms 0.598 ms 0.562 ms
5 eqix.asbn.twtelecom.net (206.223.115.36) 1.123 ms 9.008 ms 1.119 ms
6 core-01-ge-0-3-0-1.asbn.twtelecom.net (64.129.249.9) 0.968 ms 1.323 ms 1.168 ms
7 core-02-so-0-0-0-0.phnx.twtelecom.net (66.192.255.91) 55.383 ms 55.241 ms 55.222 ms
8 hagg-01-ge-1-3-0-508.phnx.twtelecom.net (66.192.247.77) 55.532 ms 55.521 ms 55.593 ms
9 * * *
10 * * *
```

In line 4, what is the meaning of the output that reads 1.088 ms 0.598 ms 0.562ms?

- A.The numbers list the average time it took for the router to respond.
- B.The numbers indicate that the router has three interfaces that are able to respond to the traceroutequery.
- C.The numbers indicate the response time for the three packets sent by traceroute toreturn from the router.
- D.The numbers list the time it takes for intervening hosts to process the packets between your host and the router in question.

Answer: C

4.You are having problems determining connectivity between an IP phone and the SIP proxy device.You

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have placed your notebook computer on the same LAN as the IP phones. However, you cannot use ping or traceroute from your laptop to determine if the SIP proxy is running. You can access other services, including the Internet. You have tried specifying both the host name and the IP address while using traceroute. Both applications appear to hang when used. What conclusions can you safely draw from this information?

- A. The routers between the SIP phone and the gatekeeper are not functioning.
- B. The switches between the SIP phone and the gatekeeper are not functioning.
- C. The routers or firewalls between the SIP and the gatekeeper are blocking packets used by traceroute and ping.
- D. The DHCP server is not functioning, resulting in a situation where the firewall and other IP-addressable devices are not able to respond to packets.

Answer: C

5. Some implementations of the traceroute utility use another protocol, which can be useful if ICMP packets are blocked by intervening routers and switches. What protocol is generally used as an alternative to ICMP in traceroute implementations?

- A. UDP
- B. TCP
- C. BGP
- D. IGMP

Answer: A

6. You have been asked to update one of several SIP proxy servers of the same make and model. However, you notice that the Web-based configuration interface does not provide the settings you are accustomed to seeing. Which of the following will most likely solve this problem?

- A. Contact the company's help desk.
- B. Update the SIP proxy server's firmware.
- C. Upgrade your browser to the latest version.
- D. Make sure that the proxy server is registered with the SIP proxy.

Answer: B

7. You have been asked to troubleshoot a problem where several IP phones cannot access an SIP proxy. You have been told that all SIP proxies and clients in the company are using the standard port as a default. When you view the various configuration screens, you see the following information:

DNS Server: dns1.ctpcertified.com

DHCP: Auto.SIP proxy: siproxy.ctpcertified.com :8080

IP address: 192.168.2.33

Subnet mask: 255.255.255.0

What is the most likely cause of the problem?

- A. The wrong DNS server has been specified.
- B. DHCP settings are not configured correctly.
- C. The wrong subnet mask has been specified.
- D. The wrong port number is specified in the proxy server.

Answer: D

---

8. Voice quality from a SIP phone you have recently installed is experiencing voice quality issues. Which of the following parameters should you consider?

A. Change the DNS server name.

B. Change the media type to full duplex.

C. Change from DHCP to manual configuration.

D. Change the host name so that it matches the naming convention of the other phones.

Answer: B

9. Which of the following allows SIP clients to determine the version of NAT used, but has issues working with symmetric NAT?

A. STUN

B. TURN

C. UPnP

D. Application Layer Gateway (ALG)

Answer: B

10. You are using symmetric Network Address Translation (NAT) in your network. You need a workaround for your SIP devices. You are using IP phones from multiple vendors, as well as open source SIP clients. Which of the following solutions will work to allow your SIP implementation to pass through your NAT solution?

A. TURN

B. STUN

C. UPnP

D. 802.1p

Answer: A

11. Which of the following priorities would you recommend for voice in an 802.1p VLAN?

A. 0

B. 1

C. 6

D. 7

Answer: C

12. You need to implement a redundant solution on the existing Layer 2 switches, which of the following protocols would you use?

A. DiffServ

B. Spanning Tree Protocol (STP)

C. GARP VLAN Registration Protocol (GVRP)

D. Realtime Transport Control Protocol (RTCP)

Answer: B

13. Which of the following statements is true in regards to VLANs?

A. They increase the number of broadcast domains, but reduce their size.

B. They decrease the number of broadcast domains, but increase their size.

- 
- C.They increase the number of collision domains, but reduce the number of broadcast domains.
  - D.They decrease the number of collision domains, but increase the number of broadcast domains.

Answer: A

14.What is the name for assigning a unique VLAN identifier to traffic controlled according to 802.1q standards?

- A.Frame tagging.
- B.VLAN switching.
- C.Packet injection.
- D.LAN Segmentation.

Answer: A

15.Which of the following is the default VLAN for all switches?

- A.TCI 0
- B.PVID 1
- C.TPID 4096
- D.None exists. It must be defined.

Answer: B

16.What is the size, in bits, of the VLAN identifier?

- A.3
- B.12
- C.16
- D.32

Answer: B

17. What impact does the 3-bit user priority field found in an 802.1q frame have to help voice quality in LAN-based communications?

- A.It increases security on the LAN.
- B.It reduces the size of a collision domain.
- C.It creates a network independent of the physical topology.
- D.It lays the foundation for user priority settings on the LAN.

Answer: D

18. What impact does the 3-bit user priority field found in an 802.1q frame have to help voice quality in LAN-based communications?

- A.It increases security on the LAN.
- B.It reduces the size of a collision domain.
- C.It creates a network independent of the physical topology.
- D.It establishes classes of service on the LAN.

Answer: D

19. What impact does the 3-bit user priority field found in an 802.1q frame have to help voice quality in LAN-based communications?