N10-009 Q&As

CompTIA Network+ Exam

Pass CompTIA N10-009 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.certbus.com/n10-009.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by CompTIA
Official Exam Center

⚙ **Instant Download** After Purchase

⚙ **100% Money Back** Guarantee

⚙ **365 Days** Free Update

⚙ **800,000+** Satisfied Customers

QUESTION 1

Which of the following demarcation connections would be MOST appropriate to use with a cable modem being installed in a SOHO situation?

A. RG6

B. Cat 6

C. RJ11

D. Multimode fiber

Correct Answer: A

QUESTION 2

While troubleshooting connectivity issues, a junior network administrator is given explicit instructions to test the host\\'s TCP/IP stack first.

Which of the following commands should the network administrator run?

A. ping 127.0.0.1

B. ping 169.254.1.1

C. ping 172.16.1.1

D. ping 192.168.1.1

Correct Answer: A

The loopback address 127.0.0.1 is used to test the TCP/IP stack of the local machine. Pinging this address confirms whether the local system\\'s networking stack is functioning correctly.

QUESTION 3

A network administrator for a small office is adding a passive IDS to its network switch for the purpose of inspecting network traffic. Which of the following should the administrator use?

A. SNMP trap

B. Port mirroring

C. Syslog collection

D. API integration

Correct Answer: B

Port mirroring, also known as SPAN (Switched Port Analyzer), is used to send a copy of network packets seen on one

switch port (or an entire VLAN) to another port where the IDS is connected. This allows the IDS to passively inspect network traffic without interfering with the actual traffic flow. Port mirroring is an essential feature for implementing IDS in a network for traffic analysis and security monitoring.References: CompTIA Network+ study materials.

QUESTION 4

A network administrator needs to divide 192.168.1.0/24 into two equal halves. Which of the following subnet masks should the administrator use?

A. 255.255.0.0

B. 255.255.254.0

C. 255.255.255.0

D. 255.255.255.128

Correct Answer: D

Understanding Subnetting:

uk.co.certification.simulator.questionpool.PList@37532e05 Calculating Subnet Mask:

Verification:

Comparison with Other Options:

References:

CompTIA Network+ study materials on subnetting and IP addressing.

QUESTION 5

Which of the following should a network administrator configure when adding OT devices to an organization\\'s architecture?

A. Honeynet

B. Data-at-rest encryption

C. Time-based authentication

D. Network segmentation

Correct Answer: D

Network segmentation involves dividing a network into smaller segments or subnets. This is particularly important when integrating OT (Operational Technology) devices to ensure that these devices are isolated from other parts of the

network. Segmentation helps protect the OT devices from potential threats and minimizes the impact of any security incidents. It also helps manage traffic and improves overall network performance.References:

CompTIA Network+ study materials.

QUESTION 6

Which of the following would a network administrator configure to set NTP settings for a specific subnet within DHCP?

A. Reservation

B. Lease time

C. Scope options

D. Exclusion range

Correct Answer: C

QUESTION 7

Which of the following kinds of targeted attacks uses multiple computers or bots to request the same resource repeatedly?

A. On-path

B. DDoS

C. ARP spoofing

D. MAC flooding

Correct Answer: B

A DDoS makes the most sense because in a DDoS attack, the threat actor uses multiple computers that are infected to constantly make requests to a server which overwhelms it and causes network interruption.

QUESTION 8

A support agent receives a report that a remote user\\'s wired devices are constantly disconnecting and have slow speeds. Upon inspection, the support agent sees that the user\\'s coaxial modern has a signal power of -97dB.

A. Removing any spliters connecte to the line

B. Switching the devices to wireless

C. Moving the devices closer to the modern

D. Lowering the network speed

Correct Answer: A

A signal power of -97dB indicates a very weak signal, which can cause connectivity issues and slow speeds. Splitters on a coaxial line can degrade the signal quality further, so removing them can help improve the signal strength and overall

connection quality.

Signal Quality: Splitters can reduce the signal strength by dividing the signal among multiple lines, which can be detrimental when the signal is already weak. Direct Connection: Ensuring a direct connection from the modem to the incoming

line can maximize signal quality and reduce potential points of failure.

Network References:

CompTIA Network+ N10-007 Official Certification Guide: Discusses troubleshooting connectivity issues and the impact of signal strength on network performance.

Cisco Networking Academy: Provides insights on maintaining optimal signal quality in network setups.

Network+ Certification All-in-One uide: Covers common network issues, including those related to signal degradation and ways to mitigate them.

QUESTION 9

Which of the following would be used to indicate when unauthorized access to physical internal hardware has occurred?

A. Motion detectors

B. Radio frequency identification tags

C. Tamper evident seal

D. Locking racks

Correct Answer: C

A tamper-evident seal is used to indicate when unauthorized access to physical internal hardware has occurred. These seals are designed to break or show visible signs of tampering if someone tries to open or access a piece of equipment or hardware. This provides a visual indication that unauthorized access or tampering has taken place, alerting security personnel to investigate further.

QUESTION 10

Users are connected to a switch on an Ethernet interface of a campus router. The service provider is connected to the serial 1 interface on the router. The output of the interfaces is: E1/0: 192.168.8.1/24 S1: 192.168.7.252/30

After router and device configurations are applied, internet access is not possible. Which of the following is the most likely cause?

A. The Ethernet interface was configured with an incorrect IP address.

B. The router was configured with an incorrect loopback address.

C. The router was configured with an incorrect default gateway.

D. The serial interface was configured with the incorrect subnet mask.

Correct Answer: D

QUESTION 11

A customer lost the connection to the telephone system. The administration console is configured with multiple network interfaces and is connected to multiple switches. The network administrator troubleshoots and verifies the following:

1.

 The support team is able to connect remotely to the administration console.

2.

 Rebooting the switch shows solid link and activity lights even on unused ports.

3.

 Rebooting the telephone system does not bring the system back online.

4.

 The console is able to connect directly to individual modules successfully.

Which of the following is the most likely reason the customer lost the connection?

A. A switch failed.

B. The console software needs to be reinstalled.

C. The cables to the modules need to be replaced.

D. A module failed.

Correct Answer: A

QUESTION 12

SIMULATION

You are tasked with verifying the following requirements are met in order to ensure network security.

Requirements:

Datacenter

 - Ensure network is subnetted to allow all devices to communicate properly while minimizing address space usage

 - Provide a dedicated server to resolve IP addresses and hostnames correctly and handle port 53 traffic Building A

 -

 Ensure network is subnetted to allow all devices to communicate properly while minimizing address space usage

-

Provide devices to support 5 additional different office users

-Add an additional mobile user

-Replace the Telnet server with a more secure solution Screened subnet

- Ensure network is subnetted to allow all devices to communicate properly while minimizing address space usage

-

Provide a server to handle external 80/443 traffic

-

Provide a server to handle port 20/21 traffic

INSTRUCTIONS

Drag and drop objects onto the appropriate locations. Objects can be used multiple times and not all placeholders need to be filled.

Available objects are located in both the Servers and Devices tabs of the Drag and Drop menu.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.
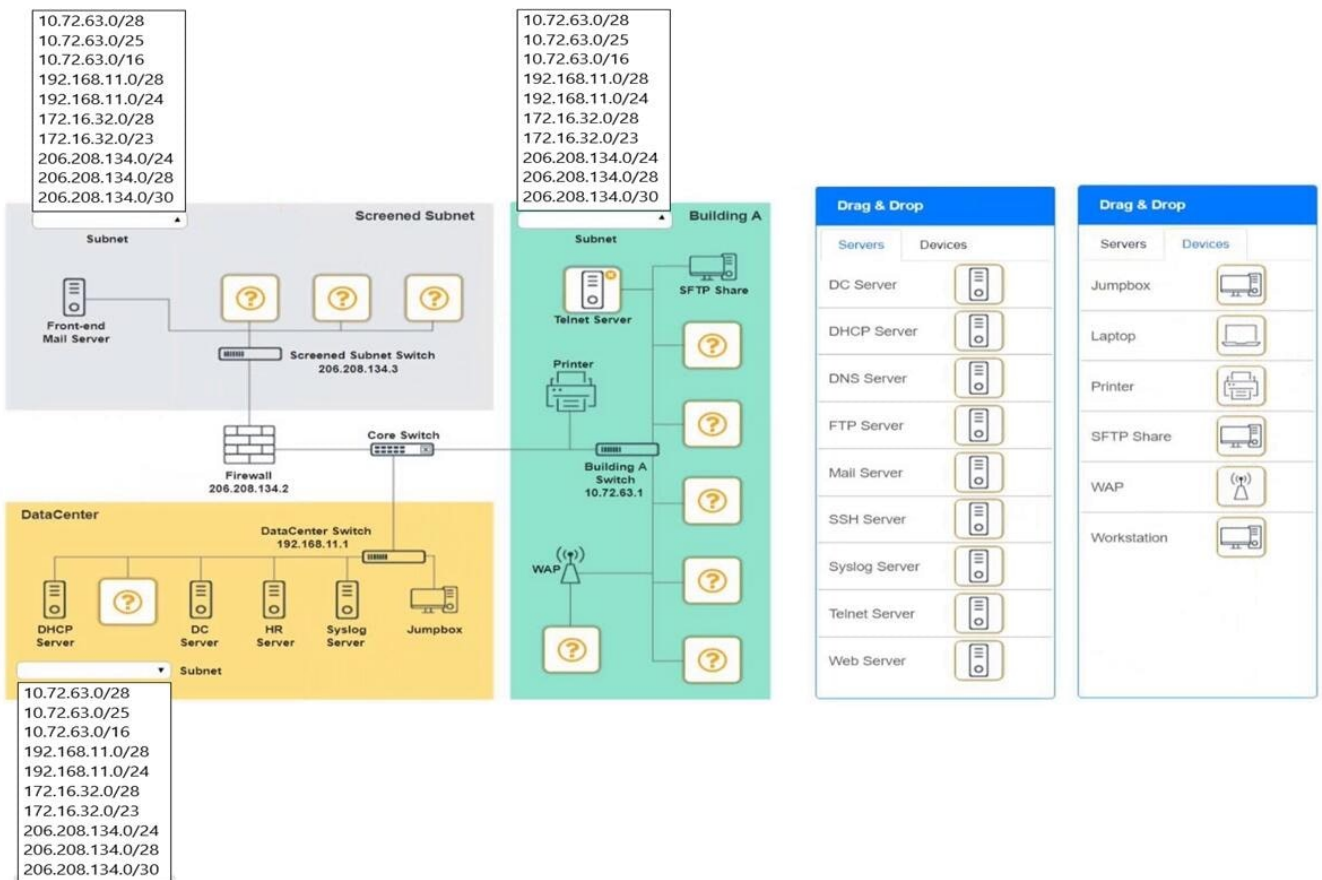
A. See explanation below.

B. PlaceHolder

C. PlaceHolder

D. PlaceHolder

Correct Answer: A

Top left subnet - 206.208.134.0/28 Top right subnet - 10.72.63.0/28 Bottom subnet - 192.168.11.0/28

Screened Subnet devices - Web server, FTP server Building A devices - SSH server top left, workstations on all 5 on the right, laptop on bottom left DataCenter devices - DNS server.

QUESTION 13

A network technician is troubleshooting a connection to a web server. The technician is unable to ping the server but is able to verify connectivity to the web service using Telnet. Which of the following protocols is being blocked by the firewall?

A. UDP

B. ARP

C. ICMP

D. TCP

Correct Answer: C

QUESTION 14

Which of the following most likely requires the use of subinterfaces?

A. A router with only one available LAN port

B. A firewall performing deep packet inspection

C. A hub utilizing jumbo frames

D. A switch using Spanning Tree Protocol

Correct Answer: A

Introduction to Subinterfaces:

uk.co.certification.simulator.questionpool.PList@2a01aef5 Use Case for Subinterfaces:

Example Configuration:

interface GigabitEthernet0/0.10

encapsulation dot1Q 10

ip address 192.168.10.1 255.255.255.0

!

interface GigabitEthernet0/0.20

encapsulation dot1Q 20

ip address 192.168.20.1 255.255.255.0

uk.co.certification.simulator.questionpool.PList@2f061c4c of the Options:

Conclusion:

References:

CompTIA Network+ guide detailing VLAN configurations and the use of subinterfaces (see page Ref 9Basic Configuration Commands).

QUESTION 15

A network administrator needs to set up a multicast network for audio and video broadcasting.

Which of the following networks would be the most appropriate for this application?

A. 172.16.0.0/24

B. 192.168.0.0/24

C. 224.0.0.0/24

D. 240.0.0.0/24

Correct Answer: C

Reference: CompTIA Network+ Certification Exam Objectives - IP Addressing section.

[Latest N10-009 Dumps](#)   [N10-009 PDF Dumps](#)   [N10-009 Practice Test](#)