

N10-009 PDF Demo - N10-009 Demotesten

- A. DHCP relay device
- B. Policy enforcement point
- C. Definition file for event translation
- D. Network access controller

Answer: C

Explanation:

MIB (Management Information Base): A MIB is a database used for managing the entities in a communication network. The MIB is used by Simple Network Management Protocol (SNMP) to translate events into a readable format, enabling network administrators to manage and monitor network devices effectively.

Function of MIB: MIBs contain definitions and information about all objects that can be managed on a network using SNMP. These objects are defined using a hierarchical namespace containing object identifiers (OIDs).

Reference: CompTIA Network+ materials discussing SNMP and MIB functionality .

Question: 3

Which of the following best explains the role of confidentiality with regard to data at rest?

- A. Data can be accessed by anyone on the administrative network.
- B. Data can be accessed remotely with proper training.
- C. Data can be accessed after privileged access is granted.
- D. Data can be accessed after verifying the hash.

Answer: C

Explanation:

Confidentiality with Data at Rest: Confidentiality is a core principle of data security, ensuring that data stored (at rest) is only accessible to authorized individuals. This protection is achieved through mechanisms such as encryption, access controls, and permissions.

Privileged Access: The statement "Data can be accessed after privileged access is granted" aligns with the confidentiality principle, as it restricts data access to users who have been granted specific permissions or roles. Only those with the appropriate credentials or permissions can access the data.

Incorrect Options:

- A. "Data can be accessed by anyone on the administrative network." This violates the principle of confidentiality by allowing unrestricted access.
- B. "Data can be accessed remotely with proper training." This focuses on remote access rather than restricting access based on privileges.
- D. "Data can be accessed after verifying the hash." This option relates more to data integrity rather than confidentiality.

Reference: CompTIA Network+ materials on data security principles, particularly sections on confidentiality and access control mechanisms .

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CompTIA N10-009 Prüfungsplan:

Thema	Einzelheiten
Thema 1	<ul style="list-style-type: none">• Network Operations: For IT operations staff and network operations center (NOC) technicians, this part of the exam covers the purpose of organizational processes and procedures and use of network monitoring technologies.

Thema 2	<ul style="list-style-type: none"> • Network Security: This section of the exam for cybersecurity specialists and network security administrators covers the importance of basic network security concepts, Various types of attacks and their impact on the network, application of network security features, defense techniques, and solutions. • Network Troubleshooting: For help desk technicians and network support specialists, this section covers troubleshooting methodology, troubleshooting common cabling and physical interface issues, troubleshooting common issues with network services, and use of appropriate tools or protocols to solve networking issues.
Thema 3	<ul style="list-style-type: none"> • Network Implementation: For network technicians and junior network engineers, this section covers Characteristics of routing technologies, Configuration of switching technologies and features, and
Thema 4	<ul style="list-style-type: none"> • Cloud concepts and connectivity options, and Common networking ports.
Thema 5	<ul style="list-style-type: none"> • Networking Concepts: For network administrators and IT support professionals, this domain covers

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N10-009 Demotesten - N10-009 Testfragen

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CompTIA Network+ Certification Exam N10-009 Prüfungsfragen mit Lösungen (Q440-Q445):

440. Frage

SIMULATION

You have been tasked with setting up a wireless network in an office. The network will consist of 3 Access Points and a single switch. The network must meet the following parameters:

The SSIDs need to be configured as CorpNet with a key of S3cr3t!

The wireless signals should not interfere with each other

The subnet the Access Points and switch are on should only support 30 devices maximum The Access Points should be configured to only support TKIP clients at a maximum speed INSTRUCTIONS Click on the wireless devices and review their information and adjust the settings of the access points to meet the given requirements.

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

Antwort:

Begründung:

See explanation below

Explanation:

On the first exhibit, the layout should be as follows

Exhibit 2 as follows

Access Point Name AP2

Exhibit 3 as follows

Access Point Name AP3

441. Frage

A network administrator wants to configure a backup route in case the primary route fails. A dynamic routing protocol is not installed on the router. Which of the following routing features should the administrator choose to accomplish this task?

- A. Hop count

- B. Administrative distance
- C. Link state flooding
- D. Neighbor adjacency

Antwort: B

Begründung:

* Introduction to Administrative Distance

* Administrative distance (AD) is a value used by routers to rank routes from different routing protocols. AD represents the trustworthiness of the source of the route. Lower AD values are more preferred. If a router has multiple routes to a destination from different sources, it will choose the route with the lowest AD.

* Static Routes and Backup Routes

* When a dynamic routing protocol is not used, static routes can be employed. Static routes are manually configured routes. To ensure a backup route, multiple static routes to the same destination can be configured with different AD values.

* Configuring Static Routes with Administrative Distance

* The primary route is configured with a lower AD value, making it the preferred route. The backup route is configured with a higher AD value. In the event of the primary route failure, the router will then use the backup route.

* Example Configuration:

plaintext

Copy code

```
ip route 192.168.1.0 255.255.255.0 10.0.0.1 1
```

```
ip route 192.168.1.0 255.255.255.0 10.0.0.2 10
```

* In the above example, 192.168.1.0/24 is the destination network.

* 10.0.0.1 is the next-hop IP address for the primary route with an AD of 1.

* 10.0.0.2 is the next-hop IP address for the backup route with an AD of 10.

* Verification:

* After configuration, use the show ip route command to verify that the primary route is in use and the backup route is listed as a candidate for use if the primary route fails.

442. Frage

A network engineer needs to correlate findings and receive alerts if there are brute force attacks, DDoS attacks, or port scanning happening within their network. Which of the following network monitoring technologies should the engineer implement?

- A. SNMPv3
- B. SIEM
- C. Syslog collector
- D. Packet capture

Antwort: B

Begründung:

A SIEM (Security Information and Event Management) platform is built to collect, correlate, and alert on security-relevant events across many sources, which is exactly what's needed to identify patterns such as brute force attempts, port scanning, and DDoS indicators. In Network+ (N10-009) security operations concepts, correlation is key: a SIEM can ingest logs from firewalls, IDS/IPS, servers, authentication systems, endpoint agents, and network devices, then apply rules/analytics to detect suspicious behavior that might not be obvious from a single log source. It can also generate real-time alerts, dashboards, and incident timelines—helping the engineer respond quickly and prioritize threats.

Packet capture provides deep visibility into traffic but is not inherently designed for enterprise-wide correlation and alerting without significant additional tooling and expertise. SNMPv3 is used for secure device monitoring (status, counters, performance) rather than detecting coordinated attack patterns. A syslog collector centralizes logs but generally does not provide the same level of correlation, enrichment, and automated alerting capabilities as a SIEM. Therefore, SIEM is the best answer.

443. Frage

A network technician is troubleshooting a web application's poor performance. The office has two internet links that share the traffic load. Which of the following tools should the technician use to determine which link is being used for the web application?

- A. tracert
- B. nslookup
- C. netstat

- D. ping

Antwort: A

Begründung:

Understanding Tracert:

Traceroute Tool: tracert (Windows) or traceroute (Linux) is a network diagnostic tool used to trace the path that packets take from a source to a destination. It lists all the intermediate routers the packets traverse.

Determining Traffic Path:

Path Identification: By running tracert to the web application's destination IP address, the technician can identify which route the traffic is taking and thereby determine which internet link is being used.

Load Balancing Insight: If the office uses load balancing for its internet links, tracert can help verify which link is currently handling the traffic for the web application.

Comparison with Other Tools:

netstat: Displays network connections, routing tables, interface statistics, and more, but does not trace the path of packets.

nslookup: Used for querying DNS to obtain domain name or IP address mapping, not for tracing packet routes.

ping: Tests connectivity and measures round-trip time but does not provide path information.

Implementation:

Open a command prompt or terminal.

Execute tracert [destination IP] to trace the route.

Analyze the output to determine the path and the link being used.

Reference:

CompTIA Network+ study materials on network troubleshooting and diagnostic tools.

444. Frage

You have been tasked with implementing an ACL on the router that will:

1. Permit the most commonly used secure remote access technologies from the management network to all other local network segments
2. Ensure the user subnet cannot use the most commonly used remote access technologies in the Linux and Windows Server segments.
3. Prohibit any traffic that has not been specifically allowed.

INSTRUCTIONS

Use the drop-downs to complete the ACL

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

Antwort:

Begründung:

See the answer and solution below.

Explanation:

A screenshot of a computer screen AI-generated content may be incorrect.

445. Frage

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