

Free PDF Quiz 2026 CNX-001: Efficient CompTIA CloudNetX Certification Exam Certification Dumps



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CompTIA CNX-001 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Network Architecture Design: This section of the exam measures the skills of Network Architects and covers the ability to design scalable, secure, and efficient network architectures. It focuses on understanding design principles, selecting appropriate network components, and aligning architecture decisions with organizational needs. Candidates are expected to demonstrate a solid grasp of topology planning, high-availability configurations, and integration of cloud and on-premise systems to ensure reliability and performance.
Topic 2	<ul style="list-style-type: none">Network Troubleshooting: This section of the exam measures the skills of Network Support Engineers and covers diagnosing and resolving connectivity and performance issues across various network layers. It focuses on identifying root causes, using diagnostic tools, and applying systematic troubleshooting methodologies. The goal is to ensure that professionals can minimize downtime, restore service quickly, and prevent recurring problems by maintaining a resilient and stable network environment.
Topic 3	<ul style="list-style-type: none">Network Operations, Monitoring, and Performance: This section of the exam measures skills of Network Operations Specialists and covers day-to-day operational management of network environments. It involves configuring monitoring tools, analyzing performance data, and responding to alerts. Candidates are evaluated on their ability to maintain network health, optimize throughput, and ensure consistent uptime by applying best practices for proactive performance tuning and operations management.

Topic 4	<ul style="list-style-type: none"> • Network Security: This section of the exam measures the skills of Security Engineers and covers core practices for protecting network infrastructure. It includes applying firewall rules, implementing access control measures, and designing secure segmentation strategies. The content emphasizes threat mitigation techniques, secure configuration of networking devices, and adherence to compliance frameworks, preparing professionals to safeguard both internal and external network assets effectively.
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CNX-001 Exam Book - CNX-001 Learning Materials

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CompTIA CloudNetX Certification Exam Sample Questions (Q84-Q89):

NEW QUESTION # 84

A SaaS company is launching a new product based in a cloud environment. The new product will be provided as an API and should not be exposed to the internet. Which of the following should the company create to best meet this requirement?

- A. A VPC peering connection from the API VPC to the customer's VPC
- B. A transit gateway that connects the API to the customer's VPC
- **C. A private service endpoint exposing the API endpoint to the customer's VPC**
- D. Firewall rules allowing access to the API endpoint from the customer's VPC

Answer: C

Explanation:

AWS PrivateLink (a private service endpoint) lets you expose your API over an interface endpoint directly into each customer's VPC without ever traversing the public internet, ensuring the service remains fully private.

NEW QUESTION # 85

A network security engineer must secure a web application running on virtual machines in a public cloud. The virtual machines are behind an application load balancer. Which of the following technologies should the engineer use to secure the virtual machines? (Choose two.)

- A. SIEM
- B. DLP
- C. CDN
- **D. NSG**
- **E. WAF**
- F. IDS

Answer: D,E

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

WAF (Web Application Firewall) protects web applications by inspecting HTTP/S traffic to and from the application. It filters, monitors, and blocks malicious traffic and exploits targeting web application vulnerabilities. WAFs are deployed at the edge, often in conjunction with load balancers, and are ideal for mitigating threats like SQL injection, cross-site scripting, and protocol violations. NSG (Network Security Group) is a native security feature offered by many cloud providers (such as Azure), functioning similarly to a firewall. NSGs control inbound and outbound traffic at the virtual network interface, subnet, or VM level, allowing engineers to define allowed or denied traffic rules.

Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide under "Cloud Workload Protection & Security Tools":

"WAFs are critical for protecting web-facing applications in public cloud environments."

"Network Security Groups (NSGs) are used to enforce access policies on cloud-based virtual networks, providing filtering and segmentation at the instance or subnet level."

NEW QUESTION # 86

A network administrator must connect a remote building at a manufacturing plant to the main building via a wireless connection. Which of the following should the administrator choose to get the greatest possible range from the wireless connection? (Choose two.)

- A. Built-in antenna
- B. Omnidirectional antenna
- C. Patch antenna
- D. 2.4GHz
- E. 6GHz
- F. 5GHz

Answer: C,D

Explanation:

2.4 GHz: The lower-frequency 2.4 GHz band propagates farther and better penetrates obstacles than 5 GHz or 6 GHz, giving you greater link distance.

Patch antenna: A directional (patch) antenna focuses RF energy into a narrow beam, maximizing gain and range between two fixed points - the best for a long-haul wireless link.

NEW QUESTION # 87

Throughout the day, a sales team experiences videoconference performance issues when the accounting department runs reports. Which of the following is the best solution?

- A. Using a load balancer to split the video traffic evenly
- B. Increasing the throughput on the network by purchasing high-end switches
- C. Configuring QoS on the corporate network switches
- D. Running the accounting department's reports outside of business hours

Answer: C

Explanation:

By implementing Quality of Service rules, you can prioritize videoconference packets over the bulk data transfers generated by accounting reports, ensuring consistent call quality without disrupting either department's workflows.

NEW QUESTION # 88

End users are getting certificate errors and are unable to connect to an application deployed in a cloud. The application requires HTTPS connection. A network solution architect finds that a firewall is deployed between end users and the application in the cloud. Which of the following is the root cause of the issue?

- A. The firewall has port 443 blocked while SSL/HTTPS inspection is enabled.
- B. The firewall on the application server has port 443 blocked.
- C. The firewall has an expired certificate while SSL/HTTPS inspection is enabled.
- D. The end users do not have certificates on their laptops.

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

When SSL/HTTPS inspection is enabled on a firewall, it intercepts and decrypts HTTPS traffic. This requires the firewall to present its own trusted certificate to the client device. If that certificate is expired, the client browser will display a certificate error and block access to the application. This is a common misconfiguration that breaks HTTPS communication.

Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "TLS/SSL Inspection and Certificate Management": "SSL inspection appliances must have valid certificates installed. Expired or untrusted certificates will result in browsers rejecting the HTTPS session and displaying errors to users." Other options:

- * A. Would prevent connection, but not result in certificate errors.
- * B. Blocked port 443 would prevent any connection, not cause cert errors.
- * C. Client-side certificates are not required unless mutual TLS is configured, which is not stated here.

NEW QUESTION # 89

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