

CNX-001 Exam Score - CNX-001 Latest Exam Answers

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CompTIA CNX-001 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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.
Topic 2	• 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 3	• 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 4	• 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.

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Free PDF CompTIA - CNX-001 - CompTIA CloudNetX Certification Exam Newest Exam Score

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CompTIA CloudNetX Certification Exam Sample Questions (Q34-Q39):

NEW QUESTION # 34

An outage occurred after a software upgrade on core switching. A network administrator thinks that the firmware installed had a bug. Which of the following should the network administrator do next?

- A. Establish a plan of action to resolve the issue.
- B. Implement the solution.
- C. Document lessons learned.
- **D. Test the theory to determine cause.**

Answer: D

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

According to the structured troubleshooting methodology outlined in the CNX-001 objectives, once a potential root cause is identified (in this case, a suspected firmware bug), the next step is to test the theory to confirm the cause before taking action. This helps prevent misdiagnosis and unnecessary configuration changes.

Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "Structured Troubleshooting Methodology":

"After identifying symptoms and forming a theory of probable cause, the next step is to test the theory to verify it is the actual cause of the problem." Other options:

- * A. Establishing a plan of action comes after confirming the cause.
- * C. Documenting lessons learned is the final step.
- * D. Implementing the solution should only occur after the issue is confirmed.

NEW QUESTION # 35

A network architect is designing a new network for a rural hospital system. Given the following requirements:

- * Highly available
- * Consistent data transmission
- * Resilient to simultaneous failures

Which of the following topologies should the architect use?

- A. Collapsed core

- B. Hub-and-spoke
- **C. Mesh**
- D. Star

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

A mesh topology provides multiple redundant paths between nodes. It offers the highest availability and fault tolerance by allowing communication to continue even if one or more links or nodes fail. This is especially important in rural healthcare systems where reliability and access to critical services are paramount.

Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "Network Topologies and Redundancy Models":

"Mesh topologies provide optimal fault tolerance and support consistent data transmission through redundant links, ideal for mission-critical systems." Other options:

- * A. Collapsed core is cost-efficient but not fully redundant.
- * B. Hub-and-spoke introduces a single point of failure at the hub.
- * D. Star also relies on a central node and is not fault tolerant.

NEW QUESTION # 36

A network engineer adds a large group of servers to a screened subnet and configures them to use IPv6 only.

The servers need to seamlessly communicate with IPv4 servers on the internal networks. Which of the following actions is the best way to achieve this goal?

- A. Set up a bridge between the screened subnet and internal networks to handle the conversion.
- B. Add IPv6 to the network cards on the internal servers so they can communicate with the screened subnet.
- C. Change the servers in the screened subnet from IPv6 addresses to IPv4 addresses.
- **D. Implement NAT64 on the router between the screened subnet and the internal network.**

Answer: D

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

NAT64 allows IPv6-only devices to communicate with IPv4-only systems. It translates IPv6 addresses to IPv4 and vice versa. This is essential in mixed environments where backward compatibility is needed, and cannot be resolved simply by dual-stacking or bridging.

Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "IP Version Compatibility and Translation":

"NAT64 allows seamless communication between IPv6-only clients and IPv4-only servers by translating address formats and protocol headers." Other options:

- * A. Adding IPv6 to internal servers requires changes to all internal devices and does not scale well.
- * B. Bridging does not handle protocol translation.
- * C. Changing IPv6 servers back to IPv4 violates the requirement for IPv6-only configuration.

NEW QUESTION # 37

A network architect is designing an expansion solution for the branch office network and requires the following business outcomes:

Maximize cost savings with reduced administration overhead

Easily expand connectivity to the cloud

Use cloud-based services to the branch offices

Which of the following should the architect do to best meet the requirements?

- **A. Design a SD-WAN solution to integrate with the cloud provider; use SD-WAN to connect branch offices to the cloud provider.**
- B. Design point-to-site branch connectivity for offices to headquarters; deploy ExpressRoute and/or DirectConnect between headquarters and the cloud; use headquarters connectivity to connect to the cloud provider.
- C. Design an MPLS architecture for the branch offices and site-to-site VPN between headquarters and branch offices; use site-to-site connectivity to the cloud provider.
- D. Design a dark fiber solution for headquarters and branch offices' connectivity; deploy point-to-site VPN between headquarters and the cloud provider; use the headquarters connectivity to the cloud provider.

Answer: A

Explanation:

By deploying SD-WAN you centrally manage and orchestrate all branch connections, minimizing administration overhead, while establishing direct, optimized tunnels into the cloud provider for low-latency, scalable access to cloud services.

NEW QUESTION # 38

A network architect needs to design a solution to ensure every cloud environment network is built to the same baseline. The solution must meet the following requirements:

- * Use automated deployment.
- * Easily update multiple environments.
- * Share code with a community of practice.

Which of the following are the best solutions? (Choose two.)

- A. Deployment guides
- **B. CI/CD pipelines**
- C. Deployment runbooks
- D. Private code repository
- E. Automated image deployment
- **F. Public code repository**

Answer: B,F

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

A: CI/CD pipelines - Continuous Integration and Continuous Deployment (CI/CD) pipelines allow automated and repeatable deployments of infrastructure and application code. This ensures consistency across environments and supports rapid, reliable updates to multiple environments simultaneously.

B: Public code repository - A public repository (e.g., GitHub, GitLab public projects) allows sharing code with the broader community of practice, enabling collaboration, peer review, and reuse. It supports version control and standardized deployment scripts (e.g., Terraform, Ansible).

Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "Infrastructure as Code and Automation Pipelines":
"CI/CD pipelines enable automated, consistent deployments across environments, reducing manual configuration errors."

"Public repositories facilitate code sharing and collaboration, supporting standardized infrastructure templates." Other options:

- * C. Deployment runbooks are static and not inherently automated.
- * D. Private repositories restrict sharing, conflicting with the requirement to share code.
- * E. Image deployment refers to server builds, not full network configuration.
- * F. Deployment guides are manual documents, not automation tools.

NEW QUESTION # 39

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Great concentrative progress has been made by our company, who aims at further cooperation with our candidates in the way of using our CNX-001 exam engine as their study tool. Owing to the devotion of our professional research team and responsible working staff, our CNX-001 Training Materials have received wide recognition and now, with more people joining in the CNX-001 exam army, we has become the top-raking CNX-001 learning guide provider in the international market.

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