

# CompTIA CNX-001 Certified Questions, Cheap CNX-001 Dumps



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## CompTIA CNX-001 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>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.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>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.</li></ul>

Topic 3	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>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.</li> </ul>

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## **CompTIA CloudNetX Certification Exam Sample Questions (Q53-Q58):**

### **NEW QUESTION # 53**

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

### **Answer: A**

Explanation:

Before taking corrective action, you need to verify that the new firmware is indeed the root cause, such as by rolling back to the previous version in a controlled test or reproducing the failure in a lab, so you're sure your fix addresses the actual problem.

### **NEW QUESTION # 54**

A network architect must design a new branch network that meets the following requirements:

- \* No single point of failure
- \* Clients cannot be impacted by changes to the underlying medium
- \* Clients must be able to communicate directly to preserve bandwidth

Which of the following network topologies should the architect use?

- A. Mesh
- B. Star
- C. Hub-and-spoke
- D. Spine-and-leaf

### **Answer: A**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

A Mesh topology provides multiple redundant paths between all nodes, ensuring there is no single point of failure. Clients can communicate directly with each other without passing through a central hub, reducing bottlenecks and preserving bandwidth. Mesh

networks are fault tolerant and resilient to changes in the underlying medium, making them ideal for distributed environments requiring high availability.

Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "WAN and LAN Topologies":

"In a mesh topology, every device is connected to every other device. This design offers fault tolerance and allows for direct communication paths between endpoints, maximizing bandwidth efficiency and eliminating single points of failure." Other options:

- \* A. Hub-and-spoke introduces a central point of failure and may limit bandwidth.
- \* C. Spine-and-leaf is ideal for data centers but not typically used for branch office designs.
- \* D. Star topology relies on a central switch and has a single point of failure.

### NEW QUESTION # 55

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 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.
- 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 SD-WAN solution to integrate with the cloud provider; use SD-WAN to connect branch offices to the cloud provider.

### Answer: D

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 # 56

An organization has centralized logging capability at the on-premises data center and wants a solution that can consolidate logging from deployed cloud workloads. The organization would like to automate the detection and alerting mechanism. Which of the following best meets the requirements?

- A. IDS/IPS
- B. SIEM
- C. Data lake
- D. Syslog

### Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

A SIEM (Security Information and Event Management) system aggregates logs from various sources, including cloud environments, and provides real-time analytics, threat detection, and automated alerting. It integrates with cloud workloads via agents or APIs and enables centralized visibility and response capabilities.

Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "Security Monitoring and Event Correlation":

"SIEM solutions consolidate logs from multiple environments, including cloud and on-premises, providing automated detection, alerting, and correlation of security events."

"A SIEM supports compliance and improves incident response through real-time monitoring." Other options:

- \* A. IDS/IPS are used for intrusion detection/prevention but do not provide log consolidation or alert correlation.
- \* C. Data lakes store large volumes of data but lack real-time alerting without additional tools.
- \* D. Syslog is a protocol for log transport, not a detection and alerting mechanism.

### NEW QUESTION # 57

You are designing a campus network with a three-tier hierarchy and need to ensure secure connectivity between locations and traveling employees.

#### INSTRUCTIONS

Review the command output by clicking on the server, laptops, and workstations on the network.

Use the drop-down menus to determine the appropriate technology and label for each layer on the diagram.

Options may only be used once.

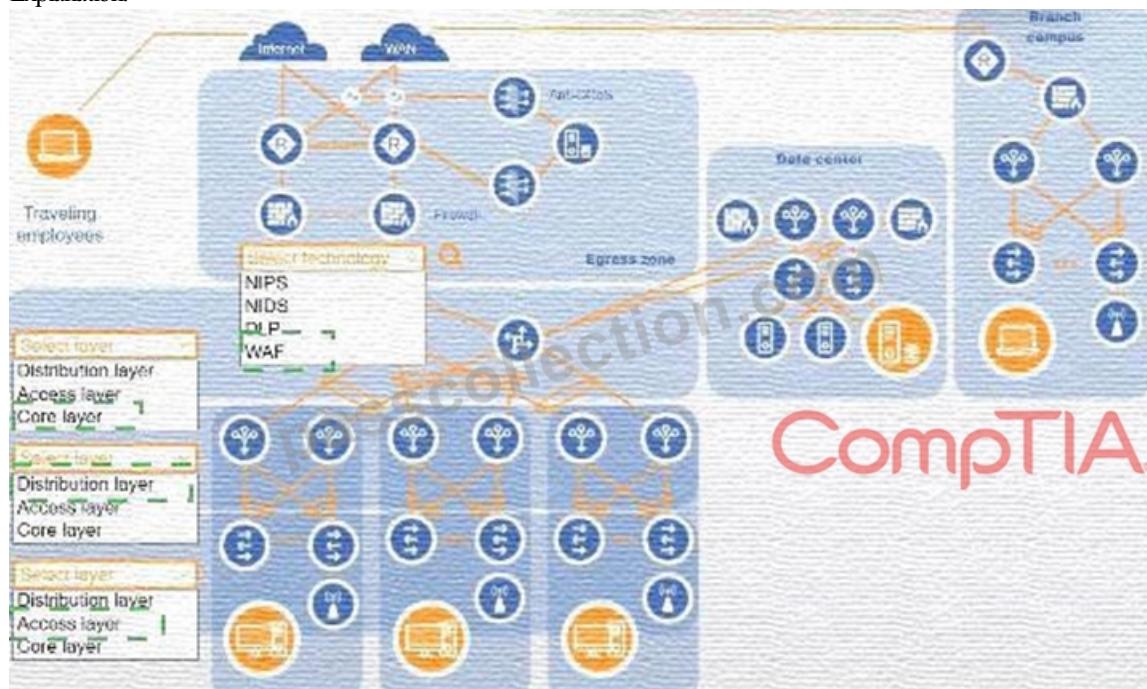
Click on the magnifying glass to make additional configuration changes.

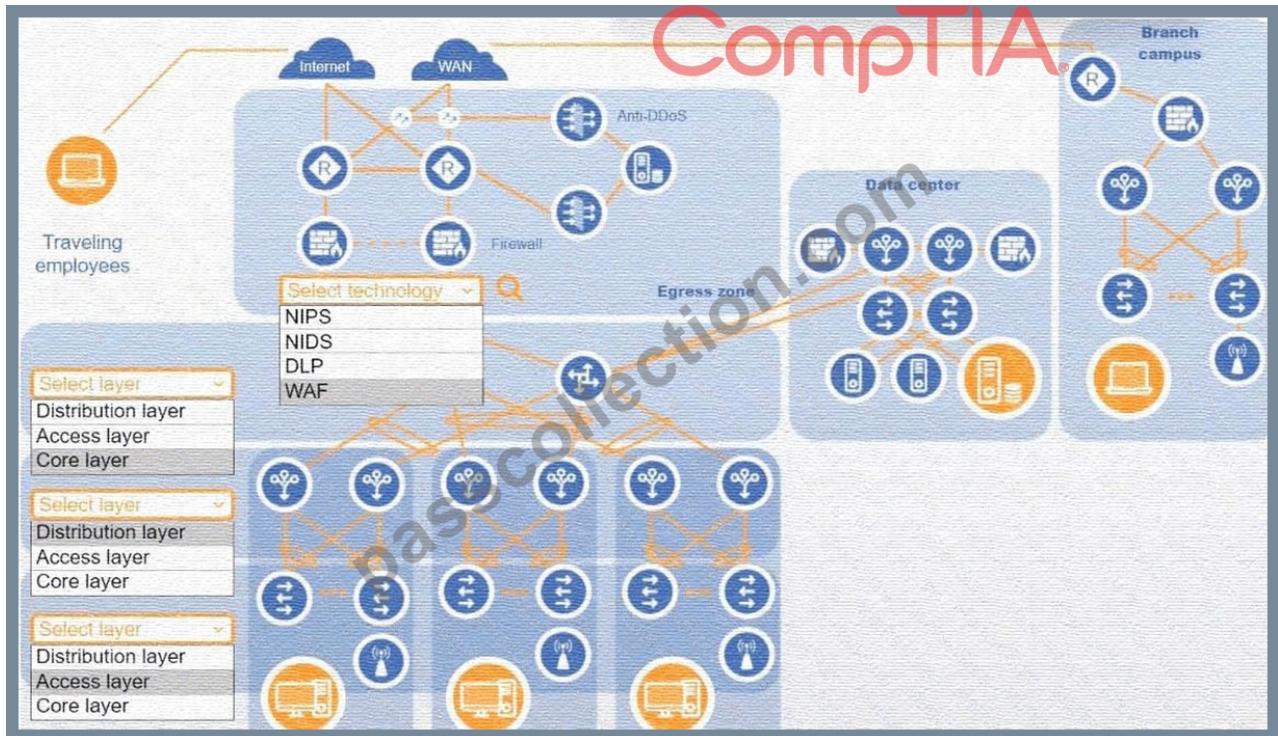
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



**Answer:**

Explanation:





## NEW QUESTION # 58

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