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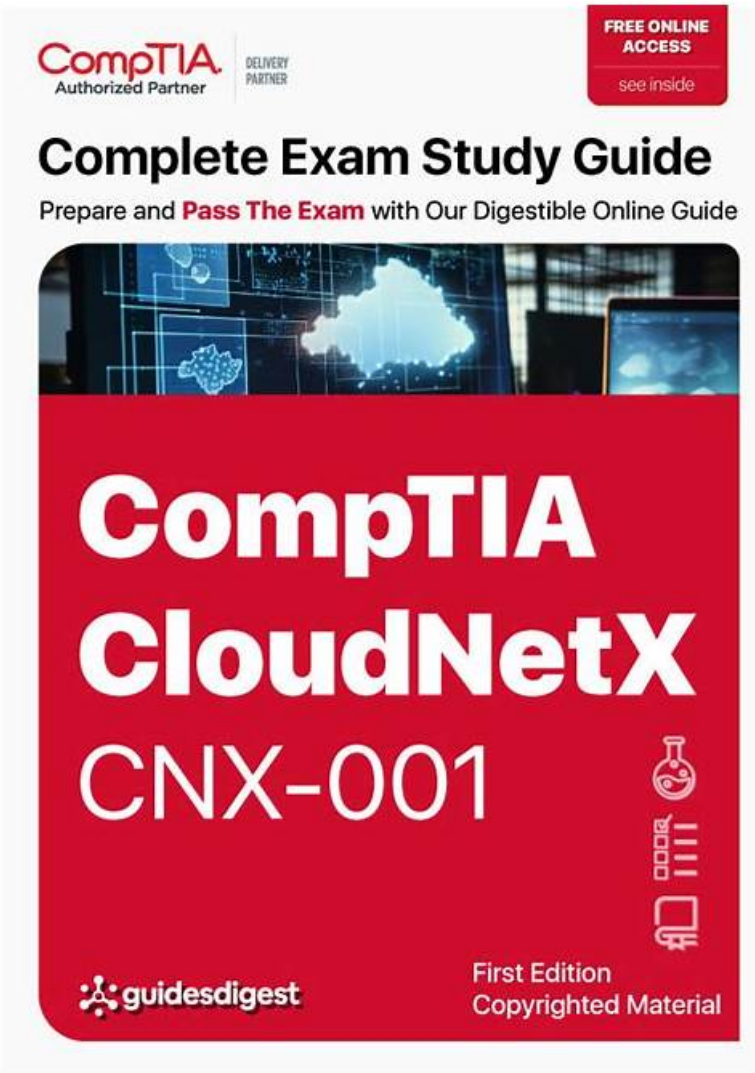


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## CompTIA CNX-001 Exam Syllabus Topics:

| 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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## Latest CNX-001 Test Pass4sure, Valid CNX-001 Test Blueprint

If you want to ace the CompTIA CloudNetX Certification Exam (CNX-001) test, the main problem you may face is not finding updated CNX-001 practice questions to crack this test quickly. After examining the situation, the TestKingIT has come with the idea to provide you with updated and actual Sitecore CNX-001 Exam Dumps so you can pass CNX-001 test on the first attempt.

## CompTIA CloudNetX Certification Exam Sample Questions (Q24-Q29):

**NEW QUESTION # 24**
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 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.
- D. 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.

**Answer: A**

Explanation:
Comprehensive and Detailed Explanation From Exact Extract:
SD-WAN (Software-Defined Wide Area Networking) is ideal for enterprises that want to simplify WAN management, reduce operational overhead, and optimize connectivity to cloudservices. SD-WAN provides intelligent traffic routing, dynamic path selection, and direct-to-cloud access without backhauling traffic through a central data center.
Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "SD-WAN and Cloud Connectivity":
"SD-WAN enables efficient cloud access from branch offices and simplifies management through centralized policy control. It is cost-effective and reduces the need for complex hardware configurations and manual routing." Other options:
* B. Adds latency and overhead by backhauling through headquarters.
* C. MPLS is expensive and less flexible than SD-WAN.
* D. Dark fiber is high-cost and not scalable for cloud-first architectures.

**NEW QUESTION # 25**
After a company migrated all services to the cloud, the security auditor discovers many users have administrator roles on different services. The company needs a solution that:
Protects the services on the cloud.
Limits access to administrative roles.
Creates a policy to approve requests for administrative roles on critical services within a limited time.
Forces password rotation for administrative roles.
Audits usage of administrative roles.
Which of the following is the best way to meet the company's requirements?

- A. Access control list
- B. Session-based token
- C. Privileged access management
- D. Conditional access

**Answer: C**

Explanation:
A Privileged Access Management (PAM) solution provides just-in-time elevation to administrative roles, enforces approval workflows with time-bound access, requires credential rotation, and offers comprehensive auditing of all privileged sessions, fully meeting the company's requirements.

**NEW QUESTION # 26**
Security policy states that all inbound traffic to the environment needs to be restricted, but all external outbound traffic is allowed within the hybrid cloud environment. A new application server was recently set up in the cloud. Which of the following would most likely need to be configured so that the server has the appropriate access set up? (Choose two.)

- A. Port security
- B. Application gateway
- C. Firewall
- D. Network security group
- E. Screened subnet
- F. IPS

**Answer: C,D**

Explanation:
Comprehensive and Detailed Explanation From Exact Extract:
To meet the requirement of restricting inbound traffic and allowing outbound traffic, two components are most appropriate:
D: Firewall - A firewall enforces ingress and egress traffic policies. It can be configured to deny all inbound traffic by default and allow all outbound traffic, meeting the security policy requirement.
E: Network Security Group (NSG) - In cloud environments such as Azure, NSGs serve as virtual firewalls at the subnet or interface level. NSGs allow you to define rules that block or allow inbound and outbound traffic, and they are the preferred method for enforcing network access rules for cloud resources.
Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "Cloud Network Security Configuration":
"Network security groups and firewalls are key to enforcing inbound and outbound traffic restrictions in hybrid and public cloud environments."
"NSGs are used to define network access control policies for cloud resources at the subnet or NIC level." Other options:
* A. Application gateway controls HTTP/S traffic at Layer 7 but does not manage full access policy.
* B. IPS detects/prevents malicious behavior but is not primarily used for general traffic restriction.
* C. Port security restricts MAC addresses on switch ports, applicable in LANs, not cloud.
* F. A screened subnet (DMZ) can provide additional isolation but is not required for basic traffic control.

**NEW QUESTION # 27**
A network security administrator needs to set up a solution to:
* Gather all data from log files in a single location.
* Correlate the data to generate alerts.

Which of the following should the administrator implement?

- A. SIEM
- B. Syslog
- C. Log management
- D. Event log monitoring

**Answer: A**

Explanation:
Comprehensive and Detailed Explanation From Exact Extract:
A SIEM (Security Information and Event Management) solution ingests log data from multiple sources, correlates events, detects anomalies, and generates alerts based on predefined or dynamic rules. This makes SIEM the ideal solution for centralized logging and real-time threat detection.
Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "Security Monitoring and Log Correlation":
"SIEM platforms aggregate, normalize, and analyze logs from diverse sources, providing real-time alerts and incident response support." Other options:
* A. Syslog is a transport protocol - it doesn't correlate or alert.
* B. Event log monitoring is limited to individual systems.
* C. Log management stores logs but doesn't perform analysis or alerting.

**NEW QUESTION # 28**
A network administrator recently deployed new Wi-Fi 6E access points in an office and enabled 6GHz coverage. Users report that when they are connected to the new 6GHz SSID, the performance is worse than the 5GHz SSID. The network administrator suspects that there is a source of 6GHz interference in the office.
Using the troubleshooting methodology, which of the following actions should the network administrator do next?

- A. Change the channels being used by the 6GHz radios in the APs.
- B. Test to see if the changes have improved network performance.
- C. Use a spectrum analyzer and check the 6GHz spectrum.
- D. Document the list of channels that are experiencing interference.

**Answer: C**

Explanation:
Comprehensive and Detailed Explanation From Exact Extract:
Using a spectrum analyzer to inspect the 6GHz frequency range allows the administrator to confirm the presence and source of interference. This step aligns with the "identify the problem" phase of the CompTIA troubleshooting methodology. Before making changes or documenting channels, the administrator must validate whether interference exists and collect diagnostic data.
Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "Troubleshooting Methodology and Wireless Interference":
"Spectrum analyzers provide a visual representation of frequency usage and interference in wireless bands, allowing administrators to isolate the root cause of degraded performance before implementing corrective actions." Other options:
* A. Testing performance (Step 5 in the methodology) comes after identifying and resolving the issue.
* C. Documentation is performed during the final step of troubleshooting.
* D. Changing channels without evidence may worsen interference if the problem is not confirmed.

**NEW QUESTION # 29**
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