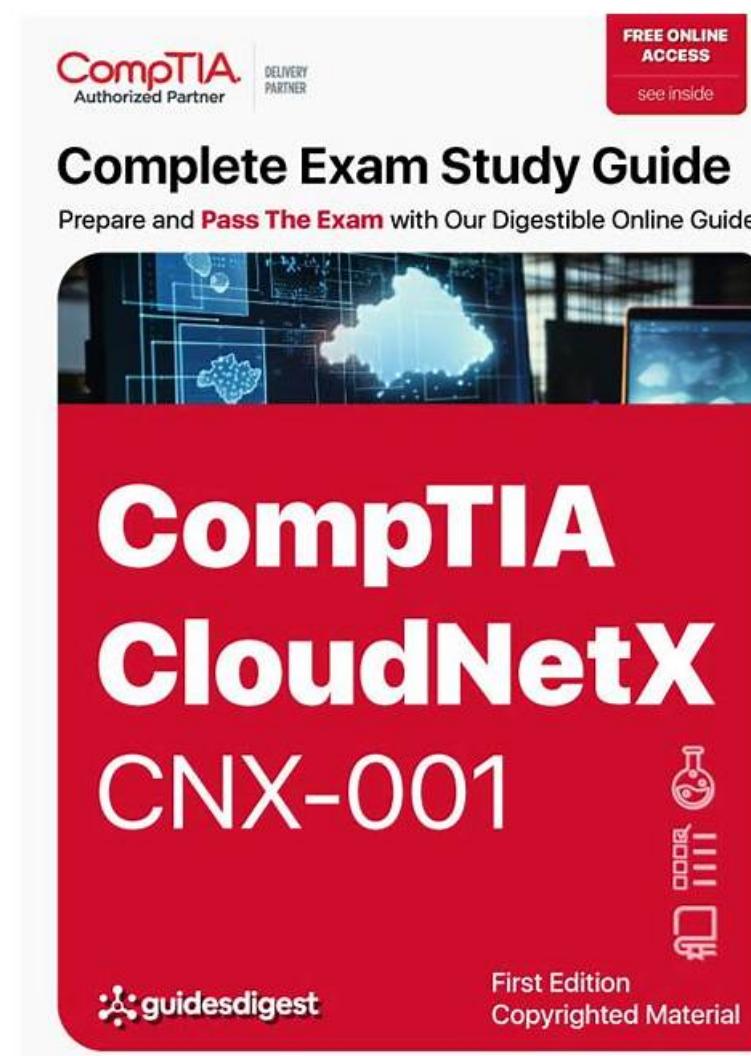


CNX-001考試 -最新CNX-001試題



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CompTIA CNX-001 考試大綱：

主題	簡介
主題 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.
主題 2	<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.

主題 3	<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.
主題 4	<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.

>> **CNX-001** 考試 <<

高效的**CompTIA CNX-001**考試是行業領先材料 & 最佳的**CNX-001: CompTIA CloudNetX Certification Exam**

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最新的 **CloudNetX CNX-001** 免費考試真題 (Q58-Q63):

問題 #58

A company's IT department is expected to grow from 100 to 200 employees, and the sales department is expected to grow from 1,000 to a maximum of 2,000 employees. Each employee owns a single laptop with a single IP allocated. The network architect wants to deploy network segmentation using the IP range 10.0.0.0

/8. Which of the following is the best solution?

- A. Allocate 10.1.0.0/16 to the IT department. Allocate 10.2.1.0/24 to the sales department.
- B. **Allocate 10.1.0.0/22 to the IT department. Allocate 10.2.0.0/15 to the sales department.**
- C. Allocate 10.1.0.0/30 to the IT department. Allocate 10.2.0.0/16 to the sales department.
- D. Allocate 10.1.0.0/16 to the IT department. Allocate 10.2.1.0/25 to the sales department.

答案: B

解題說明:

A /22 gives you 1,022 usable addresses, ample headroom for 200 IT laptops, while a /15 yields 32,766 addresses, covering up to 2,000 sales laptops with room to grow, all within the 10.0.0.0/8 space.

問題 #59

A company has a 40Gbps network that uses a network tap to inspect the traffic using an IDS. The IDS usually performs normally except when the servers are downloading patches from their local update repository

10.10.10.139 using HTTPS. During the patch windows, the IDS cannot handle the extra load and drops a significant number of packets. Which of the following would allow a network engineer to prevent this issue without compromising the network visibility?

- A. Scheduling a cron job to stop the IDS service during the patch window
- B. Configuring the IDS to ignore traffic from 10.10.10.139
- C. Adding a "dst host 10.10.10.139" BPF on the tap
- D. **Using PF_RING offload to filter out "host 10.10.10.139 and port 443"**

答案: D

解題說明:

Comprehensive and Detailed Explanation From Exact Extract:

PF_RING is a high-performance packet capture and filtering framework that allows IDS systems to handle large volumes of traffic

efficiently. By offloading and filtering out traffic that is known and trusted (such as HTTPS traffic from a patch server), the IDS can focus on analyzing critical traffic and reduce dropped packets.

Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "Traffic Filtering and IDS Performance Optimization": "Advanced filtering solutions like PF_RING allow offloading of known trusted traffic, reducing processing overhead on IDS systems and improving visibility into meaningful events." Other options:

- * A. Directly configuring the IDS to ignore traffic may bypass too much, affecting visibility.
- * C. BPF filters on the tap itself may interfere with other systems using the tap.
- * D. Disabling the IDS temporarily removes all visibility - a poor security practice.

問題 #60

A network administrator receives a ticket from one of the company's offices about video calls that work normally for one minute and then get very choppy. The network administrator pings the video server from that site to ensure that it is reachable:

(Ping output shows responses with varying latency times, including spikes: 11ms, 672ms, 849ms, 92ms, etc.)

Which of the following is most likely the cause of the video call issue?

- A. Latency
- B. Jitter
- C. Loss
- D. Throughput

答案： B

解題說明：

Comprehensive and Detailed Explanation From Exact Extract:

Jitter refers to the variation in packet delay during transmission. In the ping output shown, the response times fluctuate significantly (11ms, 672ms, 849ms, 34ms), indicating inconsistent network performance. Such variation leads to a poor experience in real-time applications like video calls. High jitter causes packets to arrive out of order, resulting in stuttering or choppy audio/video.

Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "Troubleshooting Real-Time Network Services":

"Jitter is the deviation in packet arrival times and directly affects real-time communications such as VoIP and video conferencing.

Consistent latency is tolerable; inconsistent latency (jitter) is disruptive." Other options:

- * A. Throughput refers to bandwidth and would cause consistent slowness.
- * C. Latency alone, if stable, is acceptable; it's the inconsistency here that causes issues.
- * D. Loss would be indicated by missing packets; the ping results show replies to all packets.

問題 #61

A network administrator receives a ticket from one of the company's offices about video calls that work normally for one minute and then get very choppy. The network administrator pings the video server from that site to ensure that it is reachable:

Which of the following is most likely the cause of the video call issue?

- A. Latency
- B. Jitter
- C. Loss
- D. Throughput

答案： B

解題說明：

The wildly varying ping response times (from 11 ms up to 849 ms) indicate high packet-delay variation, which causes the video stream to become choppy after a short period. That fluctuation in latency is known as jitter.

問題 #62

An administrator needs to add a device to the allow list in order to bypass user authentication of an AAA system. The administrator uses MAC filtering and needs to discover the device's MAC address to accomplish this task. The device receives an IP address from DHCP, but the IP address changes daily. Which of the following commands should the administrator run on the device to locate its MAC address?

- A. ipconfig /all

- B. nslookup
- C. arp -a
- D. netstat -an

答案：A

解題說明：

Running ipconfig /all on the device will display the physical (MAC) address of each network adapter, allowing you to copy the correct MAC for your allow-list entry.

問題 #63

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IT測試和認證在當今這個競爭激烈的世界變得比以往任何時候都更重要，這些都意味著一個與眾不同的世界的未來，CompTIA的CNX-001考試將是你職業生涯中的里程碑，並可能開掘到新的機遇，但你如何能通過CompTIA的CNX-001考試？別擔心，幫助就在眼前，有了Fast2test就不用害怕，Fast2test CompTIA的CNX-001考試的試題及答案是考試準備的先鋒。

最新CNX-001試題：<https://tw.fast2test.com/CNX-001-premium-file.html>

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