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CompTIA CNX-001 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 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.
Topic 3	<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 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.

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Related CNX-001 Certifications - Top CNX-001 Dumps

This is a CompTIA CNX-001 practice exam software for Windows computers. This CNX-001 practice test will be similar to the actual CNX-001 exam. If user wish to test the CompTIA CloudNetX Certification Exam (CNX-001) study material before joining Actualtests4sure, they may do so with a free sample trial. This CNX-001 Exam simulation software can be readily installed on Windows-based computers and laptops. Since it is desktop-based CNX-001 practice exam software, it is not necessary to connect to the internet to use it.

CompTIA CloudNetX Certification Exam Sample Questions (Q69-Q74):

NEW QUESTION # 69

A network engineer at an e-commerce organization must improve the following dashboard due to a performance issue on the website:

(Refer to the image: Website performance monitoring dashboard showing metrics like network usage, CPU usage, memory usage, and disk usage over time.)

Which of the following is the most useful information to add to the dashboard for the operations team?

- A. Number of orders
- **B. Concurrent users**
- C. Number of active incidents
- D. 404 errors

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

While resource usage metrics (CPU, memory, disk, network) are important, the missing context here is user demand. Adding "Concurrent users" helps correlate resource utilization spikes with actual user load. For performance monitoring in web applications, concurrent sessions provide crucial insight into whether performance issues are demand-related.

Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "Performance Monitoring and User Metrics":

"Monitoring user load metrics such as concurrent users provides insight into performance degradation and capacity planning. These are critical for identifying thresholds and auto-scaling requirements." Other options:

- * A. 404 errors indicate broken links but don't explain performance issues.
- * C. Number of orders tracks business activity, not system strain.
- * D. Active incidents belong in an ITSM system, not real-time performance monitoring.

NEW QUESTION # 70

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 # 71

A network administrator is troubleshooting an outage at a remote site. The administrator examines the logs and determines that one of the internet links at the site appears to be down. After the service provider confirms this information, the administrator fails over traffic to the backup link. Which of the following should the administrator do next?

- A. Document the lessons learned.
- B. Verify full system functionality.
- C. Establish a plan of action.
- D. Identify the problem.

Answer: B

Explanation:

After implementing the failover solution, you should confirm that all services and network paths are fully restored and operating correctly before closing the ticket.

NEW QUESTION # 72

A network engineer is designing a Layer 2 deployment for a company that occupies several floors in an office building. The engineer decides to make each floor its own VLAN but still allow for communication between all user VLANs. The engineer also wants to reduce the time necessary for STP convergence to occur when new switches come online. Which of the following should the engineer enable to accomplish this goal?

- A. BPDU Guard
- B. Priority
- C. Portfast
- D. Tagging

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

PortFast is a feature in Spanning Tree Protocol (STP) that allows switch ports connected to end devices (like user workstations) to bypass the usual STP states (Listening and Learning) and transition immediately to the Forwarding state. This significantly reduces convergence time and speeds up the network availability when new switches or ports are introduced.

Relevant Extract from CompTIA CloudNetX CNX-001 Study Guide - under "STP Optimization Techniques":

"PortFast reduces STP convergence time by immediately placing access ports into the forwarding state, useful in environments where rapid network availability is required." Other options:

- * A. BPDU Guard is used to disable ports that receive Bridge Protocol Data Units, enhancing security but not STP speed.
- * B. Priority modifies bridge priority but doesn't reduce convergence time.
- * C. Tagging relates to VLAN identification, not STP behavior.

NEW QUESTION # 73

New devices were deployed on a network and need to be hardened.

