CompTIA

Exam Questions CNX-001

CompTIA CloudNetX Exam

NEW QUESTION 1
A company is experiencing numerous network issues and decides to expand its support team. The new junior employees will need to be onboarded in the shortest time possible and be able to troubleshoot issues with minimal assistance. Which of the following should the company create to achieve this goal?

A. Statement of work documenting what each junior employee should do when troubleshooting
B. Clearly documented runbooks for networking issues and knowledge base articles
C. Physical and logical network diagrams of the entire networking infrastructure
D. A mentor program for guiding each junior employee until they are familiar with the networking infrastructure

Answer: B

Explanation:
Runbooks provide step-by-step troubleshooting procedures, and a solid knowledge base captures known issues and resolutions. Together they let new team members ramp up quickly and resolve common network problems with minimal hand-holding.

NEW QUESTION 2
A company hosts a cloud-based e-commerce application and only wants the application accessed from certain locations. The network team configures a cloud firewall with WAF enabled, but users can access the application globally. Which of the following should the network team do?

A. Reconfigure WAF rules.
B. Configure a NAT gateway.
C. Implement a CDN.
D. Configure geo-restriction.

Answer: D

Explanation:
Geo-restriction lets you block or allow traffic based on the requester??s geographic region, preventing access from locations you haven??t authorized.

NEW QUESTION 3
A security architect needs to increase the security controls around computer hardware installations. The requirements are:
Auditable access logs to computer rooms Alerts for unauthorized access attempts Remote visibility to the inside of computer rooms
Which of the following controls best meet these requirements? (Choose two.)

A. Video surveillance
B. NFC access cards
C. Motion sensors
D. Locks and keys
E. Security patrols
F. Automated lighting

Answer: AB

Explanation:
Video surveillance provides continuous, remote visibility into computer rooms and can be integrated with analytics to generate alerts on unauthorized presence. NFC access cards enforce controlled entry with a system that logs every card swipe and issues alerts on failed or out-of-hours attempts, giving you auditable access records and immediate notifications of any suspicious activity.

NEW QUESTION 4
A partner is migrating a client from on premises to a hybrid cloud. Given the following
project status information, the initial project timeline estimates need to be revised:

Phase	Initial estimate	Current status
Discovery	1 month	2 months
Design	2 weeks	1 month
Implementation	6 months	9 months
Knowledge transfer	2 months	3 months

Which of the following documents needs to be revised tobestreflect the current status of the project?

A. BIA
B. SLA
C. SOW
D. WBS

Answer: D

Explanation:
The Work Breakdown Structure is where each project phase and its duration are documented in detail. Since the estimated timelines for discovery, design, implementation, and knowledge transfer have all slipped, you update the WBS to reflect the new, actual phase durations.

NEW QUESTION 5
Throughout the day, a sales team experiences videoconference performance issues when the accounting department runs reports. Which of the following is the best solution?

A. Running the accounting department's reports outside of business hours
B. Using a load balancer to split the video traffic evenly
C. ConfiguringQoS on the corporate network switches
D. Increasing the throughput on the network by purchasing high-end switches

Answer: C

Explanation:
By implementing Quality of Service rules, you can prioritize videoconference packets over the bulk data transfers generated by accounting reports, ensuring consistent call quality without disrupting either department??s workflows.

NEW QUESTION 6
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: D

Explanation:
A full-mesh topology provides multiple redundant, direct paths between every site, eliminating single points of failure, ensuring consistent transmission even if one or more links fail, and maximizing overall availability.

NEW QUESTION 7
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 8
A global company has depots in various locations. A proprietary application was deployed locally at each of the depots, but issues with getting the consolidated data instantly occurred. The Chief Information Officer decided to centralize the application and deploy it in the cloud. After the cloud deployment, users report the application is slow. Which of the following is most likely the issue?

A. Throttling
B. Overutilization
C. Packet loss
D. Latency

Answer: D

Explanation:
Centralizing the application in the cloud introduces longer round-trip times for geographically dispersed users. The increased propagation delay (??latency??) is the most likely cause of the perceived slowness.

NEW QUESTION 9
An application is hosted on a three-node cluster in which each server has identical compute and network performance specifications. A fourth node is scheduled to be added to the cluster with three times the performance as any one of the preexisting nodes. The network architect wants to ensure that the new node gets the same approximate number of requests as all of the others combined. Which of the following load-balancing methodologies should the network architect recommend?

A. Round-robin
B. Load-based
C. Least connections
D. Weighted

Answer: D

Explanation:
Assign each of the three original nodes a weight of 1 and the new high-performance node a weight of 3. With weighted balancing, the new node will receive 3 / (1 + 1 + 1 + 3) = 50% of traffic - equal to the combined load on the other three.

NEW QUESTION 10
An architecture team needs to unify all logging and performance monitoring used by global applications across the enterprise to perform decision-making analytics. Which of the following technologies is the best way to fulfill this purpose?

A. Relational database
B. Content delivery network
C. CIEM
D. Data lake

Answer: D

Explanation:
A data lake provides a scalable, centralized repository that can ingest and store massive volumes of structured and unstructured data, including logs and performance metrics, from across your global applications. By keeping raw data in its native format, you can run batch and real-time analytics, machine learning, and business-intelligence workloads on one unified platform, making it ideal for enterprise-wide decision-making.

NEW QUESTION 10
A network engineer is working on securing the environment in the screened subnet. Before penetration testing, the engineer would like to run a scan on the servers to identify the OS, application versions, and open ports. Which of the following commands should the engineer use to obtain the information?

A. tcpdump -ni eth0 src net 10.10.10.0/28
B. nmap -A 10.10.10.0/28
C. nc -v -n 10.10.10.x 1-1000
D. hping3 -1 10.10.10.x -rand-dest -I eth0

Answer: B

Explanation:

The -A flag enables aggressive scanning, which combines OS detection, version detection, script scanning, and traceroute to give you detailed information on hosts in the 10.10.10.0/28 range.

NEW QUESTION 15
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. Privileged access management
B. Session-based token
C. Conditional access
D. Access control list

Answer: A

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 19
A network administrator is troubleshooting a user's workstation that is unable to connect to the company network. The results of commands the administrator runs on the workstation are shown below:

```
c:\>ipconfig /all
Windows IP Configuration
Ethernet adapter Ethernet 1:
     Physical Address. . . : 1A-21-11-33-44-5A
     DHCP Enabled. . . . . : Yes
     IPv4 Address. . . . . : 10.21.12.8
     Subnet Mask . . . . . : 255.255.255.0
     Default Gateway . . . : 10.21.12.254
```

A router on the same network shows the following output:

```
#arp -a
Internet Address          Physical Address
   10.21.12.254           12-34-56-78-9a-bc
   10.21.12.255           ff-ff-ff-ff-ff-ff
   10.21.12.2             1A-21-11-2F-1E-11
   10.21.12.3             1A-21-11-1B-2C-44
   10.21.12.8             1A-21-11-31-74-4C
   10.21.12.10            1A-21-11-43-10-BB
```

Which of the following is the most likely cause of the issues?

A. Asynchronous routing
B. IP address conflict
C. DHCP server down
D. Broadcast storm

Answer: B

NEW QUESTION 21
A network architect needs to design a new network to connect multiple private data centers. The network must:
Provide privacy for all traffic between locations. Use preexisting internet connections.
Use intelligent steering of application traffic over the best path. Which of the following best meets these requirements?

A. MPLS connections
B. SD-WAN
C. Site-to-site VPN
D. ExpressRoute

Answer: B

Explanation:
By running encrypted tunnels over your existing Internet links and dynamically steering traffic across the optimal path, an SD-WAN solution delivers privacy and performance intelligence without requiring new private circuits.

NEW QUESTION 23
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. CI/CD pipelines
B. Public code repository
C. Deployment runbooks
D. Private code repository
E. Automated image deployment
F. Deployment guides

Answer: AB

Explanation:
CI/CD pipelines: Automate the provisioning and configuration of network baselines across all environments, and make it easy to roll out updates consistently.
Public code repository: Enables your community of practice to collaborate, review, and contribute to shared IaC modules and templates, while making updates discoverable and reusable.

NEW QUESTION 24
A company is migrating an application to the cloud for modernization. The engineer needs to provide dependencies between application and database tiers in the environment. Which of the following should the engineer reference in order to best meet this requirement?

A. Internal knowledge base article
B. CMDB
C. WBS
D. Diagram of physical server locations
E. SOW

Answer: B

Explanation:
A Configuration Management Database (CMDB) explicitly maps and documents the relationships and dependencies among configuration items, such as your application and database tiers, making it the ideal reference when migrating to the cloud.

NEW QUESTION 26
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