CNX-001 Dumps

CompTIA CloudNetX Exam

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NEW QUESTION 1
A network architect needs to build a new data center for a large company that has business units that process retail financial transactions. Which of the following information should the architect request from the company?

A. Regulatory requirements
B. Statement of work
C. Business case study
D. Internal reference architecture

Answer: A

Explanation:
Before designing a facility that will handle retail financial transactions, you need to understand all applicable compliance and security mandates (e.g. PCI DSS, SOX, GDPR). Those regulatory requirements will drive your choices around physical security, network segmentation, encryption, logging, redundancy, and operational controls, ensuring the data center meets its legal and industry-specific obligations.

NEW QUESTION 2
A company is expanding operations and opening a new facility. The executive leadership team decides to purchase an insurance policy that will cover the cost of rebuilding the facility in case of a natural disaster. Which of the following describes the team's decision?

A. Business continuity
B. Disaster recovery
C. Risk transference
D. Memorandum of understanding

Answer: C

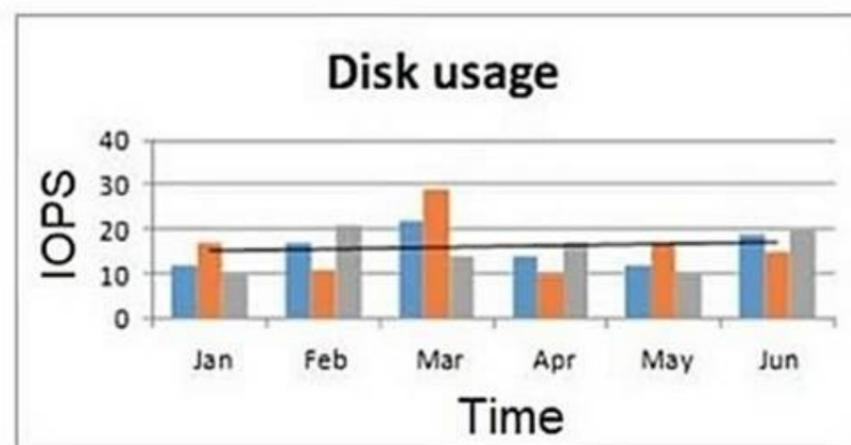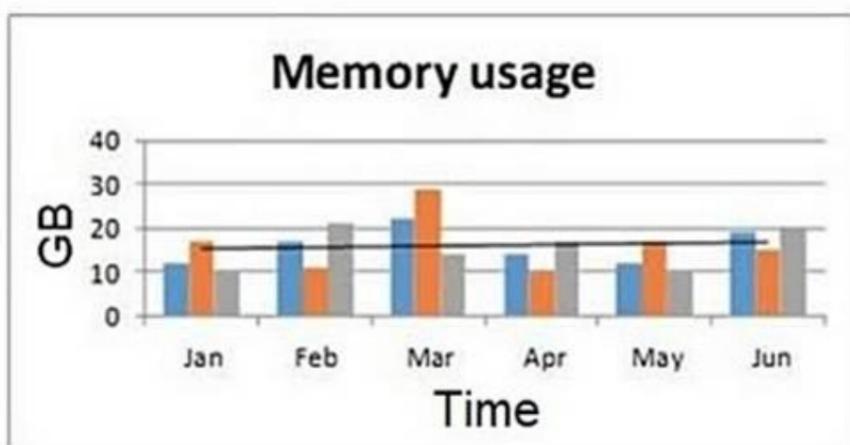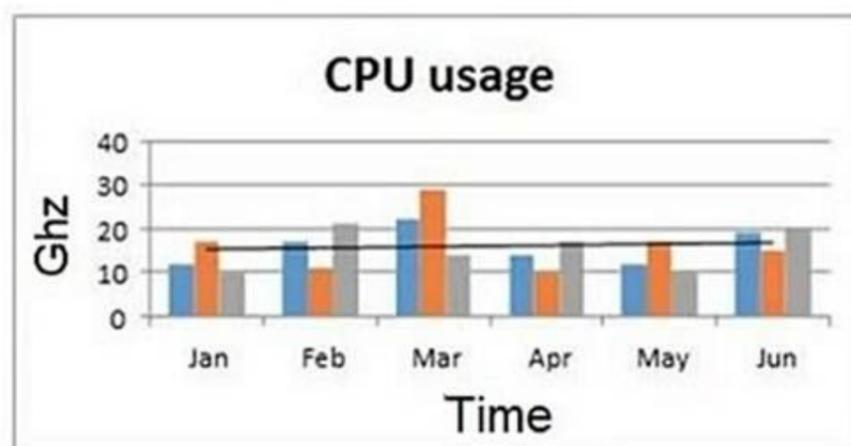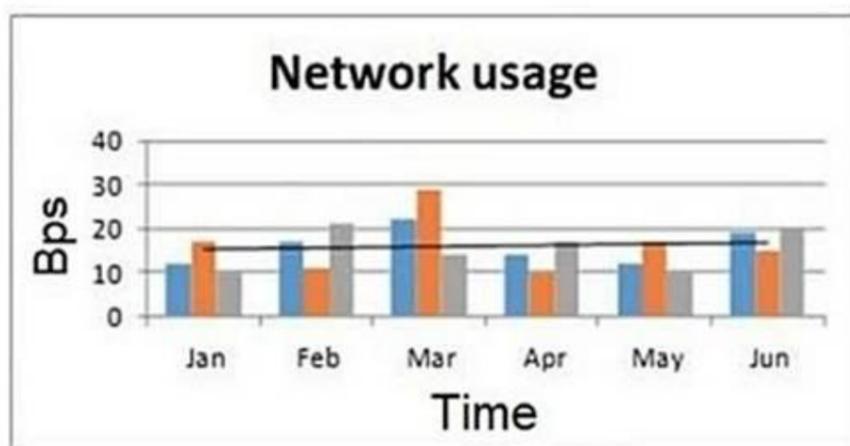**Explanation:**
By purchasing an insurance policy, the company shifts the financial burden of rebuilding after a natural disaster to the insurer, which is the essence of risk transference.

NEW QUESTION 3
A network engineer at an e-commerce organization must improve the following dashboard due to a performance issue on the website:

Website performance monitoring

Which of the following is themostuseful information to add to the dashboard for the operations team's?

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

Answer: B

Explanation:
Adding a concurrent-user count gives you the key context you??re missing: it ties spikes in CPU, memory, disk I/O, and network traffic directly to how many people are actively hitting the site. You can then see whether performance issues align with increases in user load, enabling more targeted capacity planning and troubleshooting.

NEW QUESTION 4
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. Hub-and-spoke
B. Mesh
C. Spine-and-leaf
D. Star

Answer: B

Explanation:
A full-mesh topology gives every node redundant paths to every other node, eliminating any single point of failure, and lets clients communicate directly over the optimal link without depending on an intermediate hub or core.

NEW QUESTION 5
An architect needs to deploy a new payroll application on a cloud host. End users' access to the application will be based on the end users' role. In addition, the host mustbe deployed on the 192.168.77.32/30 subnet. Which of the following Zero Trust elements are being implemented in this design? (Choose two.)

A. Least privilege
B. Device trust
C. Microsegmentation
D. CASB
E. WAF
F. MFA

Answer: AC

Explanation:
Least privilege: Granting users access to the payroll app strictly according to their roles enforces the principle of least privilege.
Microsegmentation: Placing the host in its own 192.168.77.32/30 subnet isolates it from other workloads, achieving microsegmentation.

NEW QUESTION 6
An administrator must ensure that credit card numbers are not contained in any outside messaging or file transfers from the organization. Which of the following controls meets this requirement?

A. Intrusion detection system
B. Egress filtering
C. Data loss prevention
D. Encryption in transit

Answer: C

Explanation:
Data Loss Prevention solutions inspect outbound communications and file transfers for sensitive data patterns, such as credit card numbers, and block or quarantine any messages that contain them, ensuring that no payment card details leave the organization.

NEW QUESTION 7
A cloud architect must recommend an architecture approach for a new medical application that requires the lowest downtime possible. Which of the following is the best application deployment strategy given the high-availability requirement?

A. Two different availability zones (per region) using an active-active topology in two different regions
B. Four different availability zones using an active-passive topology in a single region
C. Four different availability zones using an active-active topology in a single region
D. Two different availability zones (per region) using an active-passive topology in two different regions

Answer: A

Explanation:
Deploying active-active clusters across two AZs in each of two regions ensures the application can survive both AZ- and entire-region failures, delivering the highest possible uptime.

NEW QUESTION 8
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 9
An organization's Chief Technical Officer is concerned that changes to the network using IaC are causing unscheduled outages. Which of the following best mitigates this risk?

A. Making code changes to the master branch
B. Enforcing code review of the change by the author
C. Forking the code repository before making changes
D. Adding review/approval steps to the CI/CD pipelines

Answer: D

Explanation:
Introducing mandatory review and approval gates in your deployment pipelines ensures that every Infrastructure-as-Code change is peer-reviewed, tested, and explicitly signed off before going live, reducing the chance of unvetted code causing unexpected outages.

NEW QUESTION 10
A network security engineer must secure a web application running on virtual machines in a public cloud. The virtual machines are behind an application load balancer. Which of the following technologies should the engineer use to secure the virtual machines? (Choose two.)

A. CDN
B. DLP
C. IDS
D. WAF
E. SIEM
F. NSG

Answer: DF

Explanation:
WAF: Protects the web application by inspecting incoming HTTP/HTTPS requests at the load balancer, blocking SQL injection, XSS, and other common web attacks.
NSG: Enforces network-layer controls on the VMs?? subnets or interfaces, allowing only approved ports and IP ranges to reach the application servers.

NEW QUESTION 10
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 11
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 15
A network administrator must connect a remote building at a manufacturing plant to the main building via a wireless connection. Which of the following should the administrator choose to get thegreatestpossible range from the wireless connection? (Choose two.)

A. 2.4GHz
B. 5GHz
C. 6GHz
D. Omnidirectional antenna
E. Patch antenna
F. Built-in antenna

Answer: AE

Explanation:
* 2.4 GHz: The lower-frequency 2.4 GHz band propagates farther and better penetrates obstacles than 5 GHz or 6 GHz, giving you greater link distance.
Patch antenna: A directional (patch) antenna focuses RF energy into a narrow beam, maximizing gain and range between two fixed points – the best for a long-haul wireless link.

NEW QUESTION 17
A network engineer needs to implement a cloud native solution. The solution must allow the recording of network conversation metadata of the host and appliances attached to a VPC. Which of the following will accomplish these goals with the least effort?

A. Enabling network flow
B. Configuring SNMP traps
C. Implementing QoS network tagging
D. Installing a cloud monitoring agent

Answer: A

Explanation:
Enabling VPC (or equivalent) flow logs is the native, zero-agent way to capture metadata about every network conversation, source/destination IPs, ports, protocols, bytes transferred, across both hosts and managed appliances in your virtual network. It requires minimal setup (just a checkbox or API call) and scales automatically with your VPC.

NEW QUESTION 19
A network architect is working on a new network design to better support remote and on- campus workers. Traffic needs to be decrypted for inspection in the cloud but is not required to go through the company's data center. Which of the following technologies best meets these requirements?

A. Secure web gateway
B. Transit gateway
C. Virtual private network
D. Intrusion prevention system
E. Network access control system

Answer: A

Explanation:
A cloud-delivered Secure Web Gateway can terminate and decrypt user HTTPS sessions directly in the cloud for policy enforcement and inspection without hair-pinning traffic back through the data center.

NEW QUESTION 21
A SaaS company is launching a new product based in a cloud environment. The new product will be provided as an API and should not be exposed to the internet. Which of the following should the company create tobestmeet this requirement?

A. A transit gateway that connects the API to the customer's VPC
B. Firewall rules allowing access to the API endpoint from the customer's VPC
C. A VPC peering connection from the API VPC to the customer's VPC
D. A private service endpoint exposing the API endpoint to the customer's VPC

Answer: D

Explanation:
AWS PrivateLink (a private service endpoint) lets you expose your API over an interface endpoint directly into each customer??s VPC without ever traversing the public internet, ensuring the service remains fully private.

NEW QUESTION 22
A cloud network engineer needs to enable network flow analysis in the VPC so headers and payload of captured data can be inspected. Which of the following should the engineer use for this task?

A. Application monitoring
B. Syslog service
C. Traffic mirroring
D. Network flows

Answer: C

Explanation:
VPC Traffic Mirroring lets you capture copies of inbound and outbound network traffic, full packet headers and payload, and send them to appliances or analysis tools for deep inspection, which goes beyond the metadata provided by standard flow logs.

NEW QUESTION 25
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 28
A company is transitioning from on premises to a hybrid environment. Due to regulatory standards, the company needs to achieve a high level of reliability and high availability for the connection between its data center and the cloud provider. Which of the following solutionsbestmeets the requirements?

A. Establish a Direct Connect with the cloud provider and peer to two different VPCs in the cloud network.
B. Establish a Direct Connect with the cloud provider and a redundant connection with a VPN over the internet.
C. Establish two Direct Connect connections to the cloud provider using two different suppliers.
D. Establish a VPN with two tunnels to a transit gateway at the cloud provider.

Answer: C

Explanation:
By provisioning two dedicated Direct Connect circuits from separate carriers (diverse physical paths and providers), you achieve a true highly available, fault-tolerant link that meets stringent reliability and regulatory requirements without relying on the public internet.

NEW QUESTION 31
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 33
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