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QUESTION 1

A cloud administrator is choosing a backup schedule for a new application platform that creates many small files. The backup process impacts the performance of the application, and backup times should be minimized during weekdays.

Which of the following backup types best meets the weekday requirements?

- A. Database dump
- B. Differential
- C. Incremental
- D. Full

Correct Answer: C

QUESTION 2

A cloud engineer is designing a high-performance computing cluster for proprietary software. The software requires low network latency and high throughput between cluster nodes.

Which of the following would have the greatest impact on latency and throughput when designing the HPC infrastructure?

- A. Node placement
- B. Node size
- C. Node NIC
- D. Node OS

Correct Answer: A

Node placement is critical in high-performance computing (HPC) clusters where low network latency and high throughput are required. Proper placement of nodes within the network infrastructure, including proximity to each other and to key network components, can significantly reduce latency and increase throughput. Ensuring that nodes are physically close and well-connected can facilitate faster data transfer rates between them. References: CompTIA Cloud+ Certification Study Guide (V0-004) by Scott Wilson and Eric Vanderburg

QUESTION 3

A developer at a small startup company deployed some code for a new feature to its public repository. A few days later, a data breach occurred. A security team investigated the incident and found that the database was hacked.

Which of the following is the most likely cause of this breach?

- A. Database core dump



- B. Hard-coded credentials
- C. Compromised deployment agent
- D. Unpatched web servers

Correct Answer: B

Hard-coded credentials within code, especially when deployed in a public repository, are a common security vulnerability. If credentials such as passwords or API keys are embedded in the code, anyone with access to the repository can

potentially use them to gain unauthorized access to databases or other sensitive resources. This is a likely cause of the data breach in the scenario described.

References: CompTIA Security+ Guide to Network Security Fundamentals by Mark Ciampa.

QUESTION 4

A systems administrator is configuring network management but is concerned about confidentiality.

Which of the following should the administrator configure to address this concern?

- A. Community strings
- B. IPSec tunnels
- C. ACLs
- D. SNMPv3

Correct Answer: D

SNMPv3 is the protocol that the administrator should configure to address the concern about confidentiality for network management. SNMP (Simple Network Management Protocol) is a standard protocol that allows network devices and systems to exchange information and perform management tasks. SNMPv3 is the latest version of SNMP that provides security enhancements, such as authentication, encryption, and access control, to protect the confidentiality, integrity, and availability of network data.

QUESTION 5

A systems administrator is implementing a new file storage service that has been deployed in the company's private cloud instance. The key requirement is fast read/write times for the targeted users, and the budget for this project is not a concern.

Which of the following storage types should the administrator deploy?

- A. Spinning disks
- B. NVMe
- C. SSD



D. Hybrid

Correct Answer: B

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