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QUESTION 1

A Cloud administrator needs to reduce storage costs. Which of the following would BEST help the administrator reach that goal?

- A. Enabling compression
- B. Implementing deduplication
- C. Using containers
- D. Rightsizing the VMS

Correct Answer: B

Explanation: The correct answer is B. Implementing deduplication would best help the administrator reduce storage costs. Deduplication is a technique that eliminates redundant copies of data and stores only one unique instance of the data. This can reduce the amount of storage space required and lower the storage costs. Deduplication can be applied at different levels, such as file-level, block-level, or object-level. Deduplication can also improve the performance and efficiency of backup and recovery operations. Enabling compression is another technique that can reduce storage costs, but it may not be as effective as deduplication, depending on the type and amount of data. Compression reduces the size of data by applying algorithms that remove or replace redundant or unnecessary bits. Compression can also affect the quality and accessibility of the data, depending on the compression ratio and method. Using containers and rightsizing the VMs are techniques that can reduce compute costs, but not necessarily storage costs. Containers are lightweight and portable units of software that run on a shared operating system and include only the necessary dependencies and libraries. Containers can reduce the overhead and resource consumption of virtual machines (VMs), which require a full operating system for each instance. Rightsizing the VMs means adjusting the CPU, memory, disk, and network resources of the VMs to match their workload requirements. Rightsizing the VMs can optimize their performance and utilization, and avoid overprovisioning or underprovisioning.

QUESTION 2

Audit and system logs are being forwarded to a syslog solution. An administrator observes that two application servers have not generated any logs for a period of three days, while others continue to send logs normally. Which of the following BEST explains what is occurring?

- A. There is a configuration failure in the syslog solution
- B. The application servers were migrated to the cloud as IaaS instances
- C. The application administrators have not performed any activity in those servers
- D. There is a local firewall policy restriction on the syslog server

Correct Answer: C

QUESTION 3

A systems administrator needs to configure a set of policies to protect the data to comply with mandatory regulations.



Which of the following should the administrator implement to ensure DLP efficiently prevents the exposure of sensitive data in a cloud environment?

- A. Integrity
- B. Versioning
- C. Classification
- D. Segmentation

Correct Answer: C

Classification is a process of assigning labels or categories to data based on its sensitivity, value, or risk level. Classification can help implement data loss prevention (DLP) policies by identifying which data needs to be protected and how to protect it according to its classification level. Classification can also help comply with mandatory regulations by ensuring that data is handled and stored appropriately based on its legal or contractual requirements. Classification is essential for DLP to efficiently prevent the exposure of sensitive data in a cloud environment. References: CompTIA Cloud+ Certification Exam Objectives, page 14, section 2.7

QUESTION 4

Different healthcare organizations have agreed to collaborate and build a cloud infrastructure that should minimize compliance costs and provide a high degree of security and privacy, as per regulatory requirements. This is an example of a:

- A. private cloud.
- B. community cloud.
- C. hybrid cloud.
- D. public cloud.

Correct Answer: B

Reference: <https://www.sciencedirect.com/topics/computer-science/community-cloud>

QUESTION 5

An OS administrator is reporting slow storage throughput on a few VMs in a private IaaS cloud. Performance graphs on the host show no increase in CPU or memory. However, performance graphs on the storage show a decrease of throughput in both IOPS and MBps but not much increase in latency. There is no increase in workload, and latency is stable on the NFS storage arrays that are used by those VMs.

Which of the following should be verified NEXT?

- A. Application
- B. SAN
- C. VM GPU settings



D. Network

Correct Answer: D

The network is the set of devices, connections, protocols, and configurations that enable communication and data transfer between different systems and applications. The network can affect the performance of storage throughput by influencing factors such as bandwidth, latency, jitter, packet loss, and congestion. Poor network performance can result in low storage throughput in both IOPS and MBps, as it can limit the amount and speed of data that can be sent or received by the storage devices. Verifying the network should be the next step for troubleshooting the issue of slow storage throughput on a few VMs in a private IaaS cloud, as it can help identify and resolve any network-related problems that may be causing the issue. References: CompTIA Cloud+ Certification Exam Objectives, page 17, section 3.4

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