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QUESTION 1

A systems administrator wants to ensure a system can adjust its resources based on usage. Which of the following will best accomplish this goal?

A. Anti-affinity

B. Autoscaling

C. Right-sizing

D. Oversubscription

Correct Answer: B

Autoscaling is the best option to accomplish the goal of adjusting system resources based on usage. Autoscaling automatically adjusts the number of compute resources (such as virtual machines or containers) based on predefined conditions or metrics, such as CPU utilization, memory usage, or incoming network traffic. When demand increases, autoscaling can dynamically add more resources to handle the load, and when demand decreases, it can remove unnecessary resources to optimize costs.

QUESTION 2

A company recently set up a CDN for its photography and image-sharing website. Which of the following is the most likely reason for the company\\'s action?

A. To eliminate storage costs

B. To improve site speed

C. To enhance security of static assets

D. To prevent unauthorized access

Correct Answer: B

The most likely reason for setting up a Content Delivery Network (CDN) is to improve site speed, especially for a photography and image-sharing website. CDNs cache content at edge locations closer to end-users, significantly reducing load times for static assets like images and videos. This enhancement in speed can improve user experience and site performance. References: CompTIA Cloud+ resources and CDN functionality

QUESTION 3

A cloud developer is creating a static website that customers will be accessing globally. Which of the following services will help reduce latency?

A. VPC

B. Application load balancer

C. CDN

D. API gateway

Correct Answer: C

A Content Delivery Network (CDN) is the service that will help reduce latency for a static website accessed globally. CDNs distribute content across multiple geographically dispersed servers, allowing users to connect to a server that is closer

to them, thereby reducing the time it takes to load the website.

References: The use of CDNs is a common practice to enhance global access and improve user experience, as covered under Cloud Concepts in the CompTIA Cloud+ certification.

QUESTION 4

An organization needs to retain its data for compliance reasons but only when required. Which of the following would be the most cost-effective type of tiered storage?

A. Warm

B. Hot

C. Archive

D. Cold

Correct Answer: C

Archive storage is the most cost-effective type of tiered storage for retaining data that is infrequently accessed and only when required for compliance reasons. It is designed for long-term storage and offers lower storage costs compared to

hot, cold, or warm storage tiers.

References: Understanding data storage and the various tiers, including archival storage, is part of cloud storage strategies covered in the CompTIA Cloud+ certification.

QUESTION 5

A company just learned that the data in its object storage was accessed by an unauthorized party. Which of the following should the company have done to make the data unusable?

A. The company should have switched from object storage to file storage.

B. The company should have hashed the data.

C. The company should have changed the file access permissions.

D. The company should have encrypted the data at rest.

Correct Answer: D

Encrypting the data at rest is a crucial security measure to make the data unusable to unauthorized parties. If the object storage data was accessed by an unauthorized party, having the data encrypted would ensure that the data remains

confidential and inaccessible without the proper encryption keys, thus mitigating the impact of the breach. References: CompTIA Cloud+ resources and data security practices

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