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QUESTION 1

Which of the following is the cloud storage technology that would allow a company with 12 nearly identical servers to have the SMALLEST storage footprint?

- A. Capacity on demand
- B. Compression
- C. Software-defined storage
- D. Deduplication

Correct Answer: D

Explanation: Deduplication is the cloud storage technology that would allow a company with 12 nearly identical servers to have the smallest storage footprint. Deduplication is the process of eliminating redundant or duplicate data blocks within a storage system, and replacing them with pointers to a single copy of the data. Deduplication can reduce the amount of storage space required, as well as the bandwidth and cost of data transfer. Deduplication is especially effective for data that has a high degree of similarity, such as backup data, virtual machine images, or server data. Deduplication can be performed at the source or the target, and at the file or the block level. References: CompTIA Cloud Essentials+ Certification Exam Objectives¹, CompTIA Cloud Essentials+ Study Guide, Chapter 4: Cloud Storage², Data Deduplication in Cloud Computing³

QUESTION 2

A company's SaaS provider recently changed its licensing model, and a business analyst is required to do an overall cost analysis for a three-year contract renewal. Which of the following will provide the entire financial forecast over the renewal period?

- A. ROI
- B. TCO
- C. SOW
- D. RFI

Correct Answer: B

Explanation: TCO, or Total Cost of Ownership, is a metric that helps to estimate the total cost of acquiring and maintaining a product, service, or investment over its lifetime. TCO includes not only the initial purchase price, but also any ongoing costs, such as maintenance, support, upgrades, licensing, or disposal. TCO is useful for comparing different options and making informed decisions based on the long-term implications of each option. In this case, the company needs to do a cost analysis for a three-year contract renewal with a SaaS provider that changed its licensing model. To do this, the company needs to consider the TCO of the SaaS service, which includes the cost of the license, the cost of any additional features or services, the cost of integration with other systems, the cost of training and support, and the cost of any potential risks or issues. By calculating the TCO, the company can forecast the entire financial impact of the contract renewal over the three-year period and compare it with other alternatives. ROI, or Return on Investment, is a metric that measures the performance or profitability of an investment. ROI compares the amount of money invested in a project or asset with the amount of money gained or saved as a result of that investment. ROI is useful for evaluating the effectiveness and efficiency of an investment and determining if it is worth pursuing. However, ROI does not account for the total cost of ownership of an investment, nor does it consider the time value of money or

the opportunity cost of investing in something else. Therefore, ROI is not the best metric to use for forecasting the entire financial impact of a contract renewal over a long period of time. SOW, or Statement of Work, is a document that defines the scope, deliverables, timeline, and terms of a project or contract. SOW is useful for establishing the expectations and responsibilities of both parties involved in a project or contract and ensuring that they are aligned and agreed upon. However, SOW does not provide a financial forecast or analysis of a project or contract, nor does it compare different options or alternatives. Therefore, SOW is not the best metric to use for doing a cost analysis for a contract renewal. RFI, or Request for Information, is a document that solicits information from potential vendors or suppliers about their products, services, or capabilities. RFI is useful for gathering information and data that can help to evaluate and compare different options or alternatives and make informed decisions. However, RFI does not provide a financial forecast or analysis of a project or contract, nor does it calculate the total cost of ownership or the return on investment of each option or alternative. Therefore, RFI is not the best metric to use for doing a cost analysis for a contract renewal. References: 1, 2, 3

QUESTION 3

Which of the following testing techniques provides the BEST isolation for security threats?

- A. Load
- B. Regression
- C. Black box
- D. Sandboxing

Correct Answer: D

Explanation: Sandboxing is a testing technique that provides the best isolation for security threats. Sandboxing is a technique that creates a virtual environment that mimics the real system or application, but isolates it from the rest of the network. Sandboxing allows testers to run potentially malicious code or inputs without affecting the actual system or application, or exposing it to external attacks. Sandboxing can help testers to identify and analyze security threats, such as malware, ransomware, or zero-day exploits, without risking the integrity or availability of the real system or application. Sandboxing can also help testers to evaluate the effectiveness of security controls, such as antivirus, firewall, or encryption, in preventing or mitigating security threats. References: CompTIA Cloud Essentials+ CLO- 002 Study Guide, Chapter 3: Cloud Service Operations, Section 3.5: Testing and Development in the Cloud, Page 125. What is Sandboxing? Definition, Types, Benefits, and Best Practices - Spiceworks1

QUESTION 4

Which of the following is a limitation of the SaaS cloud model?

- A. Users cannot choose the global location where their data will be stored
- B. It does not support integration with pre-existing identity engines.
- C. It does not scale to allow additional users.
- D. Users do not have full control over the software version and roadmap of the cloud solution.

Correct Answer: D

Explanation: One of the limitations of the SaaS cloud model is that users do not have full control over the software version and roadmap of the cloud solution. This means that users have to rely on the vendor to provide updates,

patches, bug fixes, and new features for the software, and they may not be able to choose when or how to implement them. Users may also face compatibility issues with other applications or services if the vendor changes the software without prior notice or consultation. Users may also have limited or no access to the underlying code or configuration of the software, which may restrict their ability to customize or optimize the software for their specific needs. References: Cloud Essentials+ CLO-002 Study Guide, Chapter 1: Cloud Principles and Design, Section 1.2: Compare and contrast cloud service models, p. 23. SaaS vs PaaS vs IaaS: What's The Difference and How To Choose, SaaS Limitations and Concerns. What Is SaaS Advantages and Disadvantages | Cloud Computing | CompTIA, Disadvantages of SaaS.

QUESTION 5

Which of the following policies is MOST critical for being in compliance with regulatory agencies?

- A. Incident response
- B. Communication
- C. Department-specific
- D. Change management

Correct Answer: A

Explanation: Incident response is the policy that defines how an organization responds to a security breach or cyberattack that affects its data, systems, or operations. It is most critical for being in compliance with regulatory agencies because it helps to minimize the impact of the incident, preserve the evidence, and restore the normal operations as soon as possible. Regulatory agencies often require organizations to report any incidents that compromise the confidentiality, integrity, or availability of the data they handle, especially if it involves personal or sensitive information. Failure to comply with these reporting obligations can result in fines, penalties, or legal actions. Therefore, having an effective incident response policy is essential for ensuring compliance and protecting the reputation of the organization. References: CompTIA Cloud Essentials+ Certification Study Guide, Second Edition (LO-002), Chapter 3: Security in the Cloud, pages 75-76.

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