CLO-002 Q&As

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QUESTION 1

A company with a variable number of employees would make good use of the cloud model because of:

A. multifactor authentication

B. self-service

C. subscription services

D. collaboration

Correct Answer: C

Explanation: A company with a variable number of employees would make good use of the cloud model because of subscription services. Subscription services are a type of cloud pricing model that allows customers to pay a fixed fee for a certain amount of cloud resources or services for a specific period of time, such as monthly or annually. Subscription services can offer benefits such as predictable costs, scalability, flexibility, and reduced upfront investment. A company with a variable number of employees can use subscription services to adjust the cloud resources or services according to the changing demand and size of the workforce, without wasting money on unused capacity or paying extra fees for exceeding the limit. Subscription services can also enable the company to access the latest cloud technologies and features without having to purchase or maintain them. The other options are not the best reasons for a company with a variable number of employees to use the cloud model. Multifactor authentication is a security method that requires users to provide two or more pieces of evidence to verify their identity, such as a password, a code, or a biometric factor. Multifactor authentication can enhance the security of the cloud services, but it is not related to the number of employees. Self-service is a cloud characteristic that allows users to provision, manage, and terminate cloud resources or services on demand, without requiring the intervention of the cloud provider or the IT department. Self-service can improve the efficiency and agility of the cloud services, but it is not related to the number of employees. Collaboration is a cloud benefit that enables users to work together on projects, documents, or tasks using cloud-based tools and platforms, such as online file sharing, video conferencing, or project management. Collaboration can increase the productivity and innovation of the cloud services, but it is not related to the number of employees. References: CompTIA Cloud Essentials+ Certification Study Guide, Second Edition (LO-002), Chapter 1: Cloud Principles and Design, Section 1.2: Cloud Computing Concepts, p. 26-27.

QUESTION 2

A company is migrating its e-commerce platform to a cloud service provider. The e- commerce site has a significant number of images. Which of the following is the BEST storage type for storing the images?

A. Object

B. Cold

C. File

D. Block

Correct Answer: A

Explanation: Object storage is a type of cloud storage that stores data as objects, which consist of data and metadata. Object storage is ideal for storing large amounts of unstructured data, such as images, videos, audio, documents, etc. Object storage provides high scalability, durability, and availability, as well as easy access via HTTP or REST APIs. Object storage is also more cost-effective than other types of storage, such as block or file storage, which are more

suitable for structured data or applications that require high performance or low latency. References: CompTIA Cloud Essentials+ Certification Exam Objectives1, CompTIA Cloud Essentials+ Study Guide, Chapter 4: Cloud Storage2

QUESTION 3

An architect recently discovered new opportunities the cloud can provide to the company. A business analyst is currently working with the architect to document the business use-case scenarios. Which of the following should be the architect\\'s NEXT step?

A. Initialize a PoC.

B. Conduct a feasibility study.

C. Perform a gap analysis.

D. Gather cloud requirements.

Correct Answer: B

Explanation: After documenting the business use-case scenarios, the architect\\'s next step should be to conduct a feasibility study. A feasibility study is an analysis of the viability and suitability of a proposed solution or project, such as migrating to the cloud. A feasibility study evaluates the technical, operational, financial, legal, and ethical aspects of the solution, as well as the risks and benefits involved. A feasibility study helps the architect to determine if the solution is feasible, desirable, and achievable, and to identify any potential issues or challenges that may arise1. A feasibility study is one of the key components of a cloud assessment, which is a process of evaluating the readiness and suitability of an organization for cloud adoption1. A proof of concept (PoC) is a demonstration or prototype of a solution that shows how it works and what it can achieve. A PoC is usually done after a feasibility study, when the solution has been proven to be feasible and the requirements have been defined1. A gap analysis is a comparison of the current state and the desired state of a process, system, or organization. A gap analysis identifies the gaps or differences between the two states, and the actions or resources needed to close them. A gap analysis is usually done after a feasibility study and a PoC, when the solution has been validated and the goals have been established1. Gathering cloud requirements is the process of collecting and analyzing the needs and expectations of the stakeholders for the cloud solution. Gathering cloud requirements is usually done after a feasibility study and before a PoC, when the solution has been confirmed to be feasible and the scope has been defined1. References: CompTIA Cloud Essentials+ Certification | CompTIA IT Certifications, The New CompTIA Cloud Essentials+: Setting the Foundation For Vendor-specific IT Certifications, CompTIA Cloud Essentials CLO-002 Certification Study Guide

QUESTION 4

A cloud systems administrator needs to migrate several corporate applications to a public cloud provider and decommission the internal hosting environment. This migration must be completed by the end of the month. Because these applications are internally developed to meet specific business accounting needs, the administrator cannot use an alternative application.

Which of the following BEST describes the approach the administrator should use?

A. Hybrid deployment

B. Phased migration

C. Lift and shift

D. Rip and replace

Correct Answer: C

Explanation: Lift and shift is a cloud migration strategy that involves moving an application or workload from one environment to another without making significant changes to its architecture, configuration, or code. This approach is suitable for applications that are not cloud-native, have complex dependencies, or have tight deadlines for migration. Lift and shift can help reduce the cost and risk of maintaining legacy infrastructure, improve scalability and availability, and leverage cloud services and features12. Hybrid deployment is a cloud deployment model that involves using both public and private cloud resources to deliver services and applications. This approach is suitable for applications that have varying performance, security, or compliance requirements, or that need to integrate with existing on-premises systems. Hybrid deployment can help optimize the use of resources, increase flexibility and agility, and balance trade-offs between cost and control34. Phased migration is a cloud migration strategy that involves moving an application or workload from one environment to another in stages or increments. This approach is suitable for applications that have modular components, low interdependencies, or high complexity. Phased migration can help reduce the impact of migration on business operations, test the functionality and performance of each component, and address any issues or challenges along the way . Rip and replace is a cloud migration strategy that involves discarding an application or workload from one environment and replacing it with a new one in another environment. This approach is suitable for applications that are outdated, incompatible, or inefficient, or that have high maintenance costs. Rip and replace can help modernize the application architecture, design, and code, improve the user experience and functionality, and take advantage of cloud-native features and services . References: [CompTIA Cloud Essentials+ CLO-002 Study Guide], Chapter 3: Management and Technical Operations, Section 3.3: Cloud Migration, p. 123-125 [CompTIA Cloud+ CV0-003 Study Guide], Chapter 5: Deploying a Cloud Solution, Section 5.2: Cloud Migration, p. 241-244 [CompTIA Cloud Essentials+ CLO-002 Study Guide], Chapter 1: Cloud Concepts, Section 1.3: Cloud Deployment Models, p. 25-28 [CompTIA Cloud+ CV0-003 Study Guide], Chapter 1: Cloud Architecture and Design, Section 1.2: Cloud Deployment Models, p. 19-22 [CompTIA Cloud Essentials+ CLO-002 Study Guide], Chapter 3: Management and Technical Operations, Section 3.3: Cloud Migration, p. 125-126 [CompTIA Cloud+ CV0-003 Study Guide], Chapter 5: Deploying a Cloud Solution, Section 5.2: Cloud Migration, p. 244-245 [CompTIA Cloud Essentials+ CLO-002 Study Guide], Chapter 3: Management and Technical Operations, Section 3.3: Cloud Migration, p. 126-127 [CompTIA Cloud+ CV0-003 Study Guide], Chapter 5: Deploying a Cloud Solution, Section 5.2: Cloud Migration, p. 245-246 [CompTIA Cloud Essentials+ CLO-002 Study Guide], ISBN: 978-1-119-64768-9, Publisher: Wiley [CompTIA Cloud+ CV0-003 Study Guide], ISBN: 978-1-119-64767-2, Publisher: Wiley

QUESTION 5

Which of the following BEST describes decreasing the resources assigned to a system to avoid paying for unused capacity?

A. Orchestration

B. Auto-scaling

C. Right-sizing

D. Scalability

Correct Answer: C

Explanation: Right-sizing is the process of adjusting the resources allocated to a system to match its actual needs and avoid paying for unused capacity. Right-sizing can be done manually or automatically, and it can involve increasing or

decreasing the resources as needed. Right-sizing is one of the benefits of cloud computing, as it allows for more efficient and cost-effective use of resources. References: CompTIA Cloud Essentials+ (CLO-002) Study Guide, Chapter 2:

Cloud Computing Concepts, Section 2.2: Cloud Service Models, page 3812

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