

EMC

Exam E20-020

Cloud Infrastructure Specialist Exam for Cloud Architects

Version: Demo

[Total Questions: 10]

Question No : 1

Which infrastructure does VCE Vblock represent?

- A. Brownfield
- B. Traditional
- C. Hyper-converged
- D. Converged

Answer: D

Explanation:

Vblock is the brand name VCE uses for racks containing the components of its data center products. Prepackaging, called converged infrastructure, allows customers to select preconfigured and integrated solutions, with predictable units of power, weight, cooling, and geometry for data center planning purposes.

References:

<https://en.wikipedia.org/wiki/Vblock>

Question No : 2

A cloud architect is designing a hybrid cloud for an organization. A requirement for this environment is that the private cloud user credential be trusted by both cloud provisioning APIs.

Which type of authentication will meet this requirement?

- A. Federated authentication
- B. Asymmetric encryption
- C. Symmetric encryption
- D. Shared-key authentication

Answer: A

Explanation:

A federated identity in information technology is the means of linking a person's electronic identity and attributes, stored across multiple distinct identity management systems.

References:

https://en.wikipedia.org/wiki/Federated_identity

Question No : 3

An organization is currently using a private cloud to host gaming applications. The private cloud is located in the organization's data center. These applications have very little static data and no requirements for securing data. Authentication is handled through an external resource.

During holiday and vacation seasons, application usage increases significantly and more resources are required. However, the increase only occurs about 10% of the year and the organization wants to maintain performance.

What can be done to meet this requirement?

- A. Deploy global load balances
- B. Create QoS policies during peak usage
- C. Move to a hybrid cloud model
- D. Implement a CDN solution

Answer: C

Explanation:

Hybrid cloud is a cloud computing environment which uses a mix of on-premises, private cloud and third-party, public cloud services with orchestration between the two platforms. By allowing workloads to move between private and public clouds as computing needs and costs change, hybrid cloud gives businesses greater flexibility and more data deployment options.

Incorrect:

Not D: A content delivery network (CDN) is a system of distributed servers (network) that deliver webpages and other Web content to a user based on the geographic locations of the user, the origin of the webpage and a content delivery server.

References:

<http://searchcloudcomputing.techtarget.com/definition/hybrid-cloud>

Question No : 4

What is a key attribute of cloud services?

- A. Manual provisioning
- B. Full pre-allocation
- C. Self-service
- D. Automatic content creation

Answer: C

Question No : 5

An organization wants to build a pilot cloud for developers to learn and practice cloud-native application design. The organization expects that the cloud will host many tiny instances that will use few resources.

What accurately describes the optimal CPU and memory configuration?

- A. High CPU core count and high memory capacity
- B. High CPU core count and moderate memory capacity
- C. Moderate CPU core count and moderate memory capacity
- D. Moderate CPU core count and high memory capacity

Answer: C

Question No : 6

An organization uses Microsoft Active Directory (AD) for service authentication in their private cloud. They want to use the same authentication source for services in the public cloud. External employees access services in both clouds and need to authenticate with AD.

The organization wants to minimize and secure network traffic. Which solution will address these requirements?

- A. Connect the two clouds through IPsec VPNPlace AD controllers in the private cloud only
- B. Connect the two clouds through IPsec VPNPlace AD controllers in the private and public clouds
- C. Configure perimeter firewalls to allow AD trafficPlace AD controllers in the private and

public clouds

D. External users connect with IPsec VPNPlace AD controllers in the private cloud only

Answer: B

Explanation:

References:

<https://blogs.technet.microsoft.com/keithmayer/2013/01/20/step-by-step-extending-on-premise-active-directory-to-the-cloud-with-windows-azure-31-days-of-servers-in-the-cloud-part-20-of-31/>

Question No : 7

An organization is developing a cloud-native social-media website. The website will be written using elastic principles. When the website scales, it can add additional web, application and database instances to meet dynamic workload demand.

Which additional resources will be consumed by replication as the database layer expands.

- A. Public IP addresses, CPU, and memory
- B. CPU, memory, and network traffic
- C. Network traffic, public IP addresses, and CPU
- D. Memory, network traffic, and public IP addresses

Answer: B

Question No : 8

An organization wants to deploy a block storage in the cloud using a storage array that is accessible through the iSCSI protocol. The hosts support iSCSI.

Why would network segmentation be included in the design to support this requirement?

- A. Secure all traffic between the storage array and the hosts
- B. Enable CHAP between the array and hosts
- C. iSCSI traffic is not supported on networks with other types of traffic
- D. Enable LUN masking capabilities of the array

Answer: A

Question No : 9

Which aspect of the project definition does the cloud design scope provide?

- A. Broad directions for the project
- B. Boundaries of what the project should and should not include
- C. Sales figures that must be met when designing the project
- D. Specific features or functions that must be included in the project

Answer: D

Question No : 10

Which additional considerations must a cloud monitoring system address compared to a traditional monitoring system?

- A. Tenant isolation, orchestration, and elastic workloads
- B. Orchestration, elastic workloads, and Data at Rest security
- C. Elastic workloads, Data at Rest security, and tenant isolation
- D. Data at Rest security, tenant isolation, and orchestration

Answer: A