

## E20-018<sup>Q&As</sup>

Virtualized Data Center and Cloud Infrastructure Design Specialist

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**QUESTION 1**

A project is assigned to a group of developers who have only weeks to develop a prototype for an online trading application. The application needs to run on a variety of virtual host compute systems and be accessible from anywhere. The project lead must select an environment that would allow for self-service, anywhere availability, wide scalability, and elasticity.

Which would be the best approach to meet their needs?

- A. Outsource their infrastructure needs to a cloud provider that can meet their service-level requirements
- B. Outsource their connectivity requirements and build their compute environment at a co- location facility
- C. Construct a virtualized host compute environment with SAN storage and virtual network within their data center
- D. Construct an internal cloud infrastructure group to build virtualized services to run, metered, within their organization

Correct Answer: A

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**QUESTION 2**

Consider the following statement

The active distribution of decision-making rights and accountability among different stakeholders in an organization and the rules and procedures for making and monitoring those decisions to determine and achieve delivered behavior and results.

Which aspect of cloud computing is expressed by the statement?

- A. Service –level management
- B. Enterprise governance
- C. Standards compliance
- D. Risk assessment

Correct Answer: B

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**QUESTION 3**

You need to survey an existing application environment to free up resources. Which type of systems should you initially identify?

- A. Those that can be combined, replaced, or obsoleted
- B. Those whose data can be comingled
- C. Those that have minimal GRC or security requirements
- D. Those that can be migrated easily to a virtual environment

Correct Answer: A

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**QUESTION 4**

What is needed to transform a VDC into IaaS?

- A. Metering processes, self-service portal, service catalog
- B. Self-service portal, pay-as-you-go
- C. Metering processes, multi-tenancy, termination agreements
- D. Pay-as-you-go, service catalog

Correct Answer: A

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**QUESTION 5**

What are key legal contracts for a service provider?

- A. Service Level Agreement Terms of Service Termination Agreement
- B. Service Level Agreement Terms of Service Enterprise License Agreement
- C. End User License Agreement Termination Agreement Service Level Agreement
- D. End User License Agreement Termination Agreement Performance Guaranty

Correct Answer: A

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**QUESTION 6**

Which solution should be the primary choice for protection against a site-wide failure?

- A. Remote replication
- B. Array-based snapshots
- C. Local replication
- D. Hypervisor-based snapshot

Correct Answer: A

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**QUESTION 7**

A small law firm that does not currently have any virtualization technologies implemented has currently merged with another firm of approximately the same size. They are planning to consolidate into a single location.

They have decided to virtualize their servers. They would like to consolidate storage but they are concerned about meeting performance of the different applications on a single storage array.

Which storage array feature should be considered to meet their performance requirements?

- A. Virtual LUNs
- B. Virtual Pooling
- C. Virtual Provisioning
- D. Vertical tiering

Correct Answer: D

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**QUESTION 8**

A customer has two data centers located within 3 km of each other. They use EMC arrays at one of the data center. They would like to have a consistent view of one or more LUNs.

Which product would you suggest to them?

- A. Atoms
- B. Vblock
- C. VPLEX
- D. VNX

Correct Answer: C

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**QUESTION 9**

Which is a scale-out NAS solution that can distribute data over multiple nodes for resiliency?

- A. EMC VPLEX
- B. EMC Symmetrix VMAX
- C. EMC Isilon
- D. EMC VNX

Correct Answer: C

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**QUESTION 10**

What does using the cloud for a DR site offer protection against?

- A. Geo-specific outages

- B. Cyber security threats
- C. Non-competitive pricing
- D. Vendor lock-in

Correct Answer: A

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## QUESTION 11

A company has just experienced an outage in their environment as a result of a configuration change that propagated across the entire environment.

What would you recommend to prevent similar outages in the future?

- A. Standardize the environment on a single operating system to reduce risk and simplify changes
- B. Mandate that all configuration changes comply with FIPS Level 3
- C. Encrypt all configuration management servers and configure ACLs to allow access to only a subset of administrators
- D. Configure resources to a known state and use a CMDB to ensure that the initial state is maintained

Correct Answer: D

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## QUESTION 12

A customer wants to ensure that their critical application can fail over to another physical host within the cluster without disruption.

Which feature should be utilized?

- A. Storage vMotion
- B. Distributed Resource Scheduler
- C. Fault Tolerance
- D. High Availability

Correct Answer: C

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## QUESTION 13

You are designing a new VDC and are planning to use iSCSI for storage connectivity from the hypervisors. The network infrastructure is 10 Gigabit Ethernet, and the hypervisor hardware can support only two NICs. Your networking design on the hypervisor must provide the highest level of performance, security, and fault tolerance.

What should you recommend?

- A. Bond the NICs together and connect them to different access layer switches. Configure a separate VLAN for the

iSCSI traffic.

B. Leave the NICs independent and connect them to different access layer switches. Configure a separate VLAN for iSCSI traffic on each NIC.

C. Bond the NICs together and connect them to different access layer switches. Use the same VLAN for SCSI traffic as for management traffic.

D. Leave the NICs independent and connect them to different access layer switches. Use the same VLAN for SCSI traffic as for management traffic.

Correct Answer: A

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## QUESTION 14

An organization uses Linux desktops, laptops, and servers for their primary infrastructure. The company has a business need to run a mission critical application that is only available for the Microsoft Windows operating system. This application and associated data need to be available to 10-12 users.

Which solution would best meet their needs, and why?

- A. VDI, because it provides better fault tolerance
- B. VDI, because it offers a lower cost per user than
- C. RDS, because it offers true user segmentation
- D. RDS, because it provides better fault tolerance

Correct Answer: A

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## QUESTION 15

Which design consideration helps reduce risk when data is comingled across different business units in a VDC, or between different companies in the cloud?

- A. Creating trust zones
- B. Creating unique login IDs
- C. Having a formal risk assessment process
- D. Regulations that specify data that can be co-mingled

Correct Answer: A

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