

EMC

Exam E20-018

Virtualized Infrastructure Specialist Exam for Cloud Architects

Version: 11.0

[Total Questions: 317]

Question No : 1

A company has five heterogeneous storage arrays that are all connected to a common SAN environment.

They want to offer storage to their end users, masking the identity of the target storage so the users cannot tell which storage system they are using.

Which virtualization technique would work in this environment?

- A. Distributed virtualization
- B. Block-level storage virtualization
- C. Hadoop HDFS
- D. File-level storage virtualization

Answer: B

Question No : 2

A customer has asked you to develop a framework for assessing the cloud. Part of this will be an assessment development.

Where should you look first for assessment criteria and technologies?

- A. International standards
- B. Internal IT development
- C. Company metadata
- D. Industry best practices

Answer: D

Question No : 3

Questions such as “How would you classify the sensitivity of your data?” and “What is the value of this application data?” are examples of which kind of sample risk score questions?

- A. Management
- B. Business

- C. Information security
- D. Disaster recovery

Answer: B

Explanation: References:

Question No : 4

Applications of different criticality have been deployed on a collection of virtual servers. In an effort to save cost, a business continuity plan has been devised to provide half the number of physical servers to host the virtual machines at the disaster recovery site.

What is a possible outcome if a disaster were to occur at the primary site?

- A. Applications cannot be resolved
- B. Application data is inaccessible
- C. Application data is lost
- D. Application performance is degraded

Answer: D

Explanation:

References:

Question No : 5

A small company asks you to design a VDC in each of their two data centers, using stretched VLANs and native Fibre Channel extension to interconnect the environments. The data centers are located 30 km apart. After inquiring with the local service providers, you find that only two strands of dark fiber are available.

Which distance networking technology is the most appropriate?

- A. CWDM
- B. DWDM
- C. Dark Fiber

D. MPLS**Answer: A****Question No : 6**

A customer has three VMware ESX hosts in a cluster. They need to configure the virtual guest servers to restart automatically on an alternate host if the original host becomes unavailable.

Which service should be configured on the cluster?

- A. Resource Pooling
- B. Live Migration
- C. Load Balancing
- D. High Availability

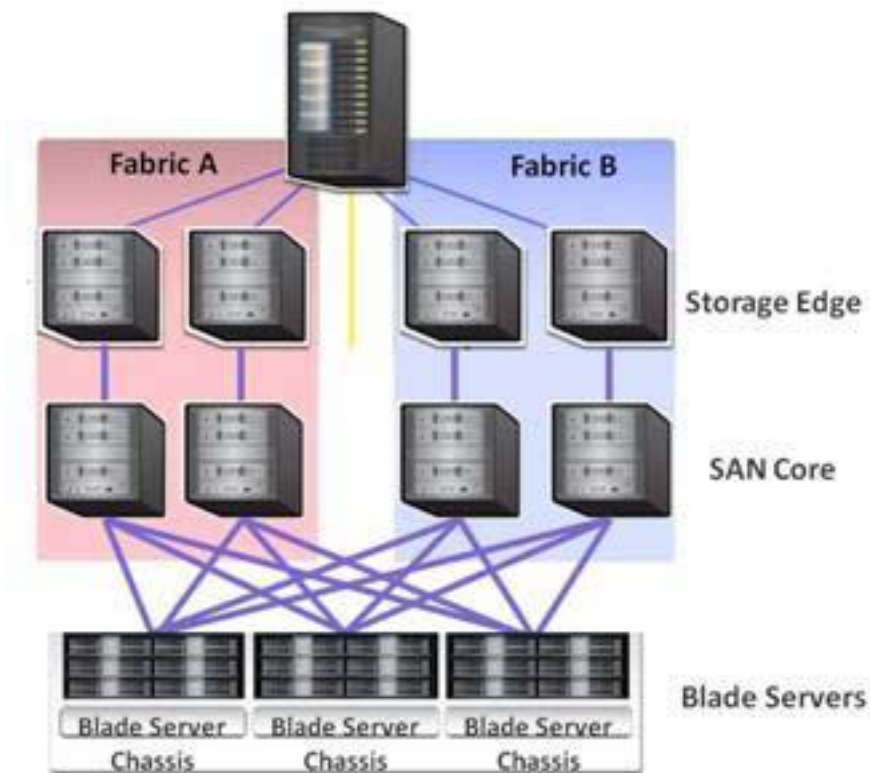
Answer: D**Explanation:** References:**Question No : 7**

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 : 8**

Refer to the exhibit.



A VDC design requires 300 blade server chassis, each with two embedded Fibre Channel switches, which are connected to two separate SAN fabrics. All of the blade chassis FC switches are configured in NPV mode, and the SAN core switches are configured in NPIV mode.

Where can the administrator make zoning changes?

- A. SAN core or storage edge
- B. Blade chassis or SAN core
- C. Blade chassis only
- D. SAN core only

Answer: A

Question No : 9

An application is designed with reusable modules that can be called by other applications as needed.

What is this an example of?

- A. EAI via Mesh
- B. EAI
- C. SOA
- D. ESB

Answer: C

Question No : 10

What are three attributes of a cloud services design?

- A. Web-based APIs, shared resources, minimal capital expenditures
- B. Static service, fixed priced access, improved economics
- C. Accessed via a web portal, self-service, throttled access
- D. Dedicated resources, usage-based pricing, web-based APIs

Answer: A

Question No : 11

You are using virtual (thin) provisioning to reduce the amount of physical storage that is initially required for an implementation.

On the storage array, you configure a pool that contains 10 TB of physical storage and then define several LUNs that total 50 TB. These LUNs are presented to several hypervisor clusters. Virtual Machines are subsequently created using a thick format for the virtual hard disks.

What is the maximum capacity that can be allocated for VM hard disks in this configuration?

- A. 10 TB
- B. 50 TB
- C. 60 TB
- D. 100 TB

Answer: A

Question No : 12

A software manufacturer is planning to convert their VDC to IaaS. As part of the transformation to IaaS the company realizes they have to make several organizational changes.

Which is the most likely starting point for their organizational transformation?

- A. Cross train IT operations and delivery personnel
- B. Create new service based roles in the lines of business
- C. Align GRC and Trust requirements
- D. Obtain executive and organizational buy-in

Answer: D

Question No : 13

What error accounts for 99% of the reasons why recovery and availability fail?

- A. Failures in automation scripts
- B. Configuration drift
- C. Failure to test for corrupted Backups
- D. Environmental issues

Answer: B

Question No : 14

Why should storage technologies such as data deduplication and data compression be considered?

- A. They simplify storage configuration
- B. They improve storage efficiency
- C. They increase storage allocation
- D. They improve storage security

Answer: B

Explanation: References:

Question No : 15

You are meeting with the CIO to discuss your VDC design. They question the amount of capital that is being invested in iSCSI adapters. They state that, because of the number of adapters required, it is more cost-effective to purchase 10 Gigabit Ethernet NICs and use the integrated hypervisor software stack.

How should you justify the increased cost of the iSCSI Adapters?

- A.** Using NICs and the software stack will increase CPU load on each hypervisor, requiring more hypervisors to deliver the same performance levels. This will result in additional hardware and licensing costs.
- B.** iSCSI adapters can encrypt iSCSI frames, preventing unauthorized access to the data. The hypervisor software stack cannot encrypt iSCSI frames, leaving the data vulnerable.
- C.** Using NICs and the software stack will require additional NICs for each hypervisor to deliver the same throughput. To obtain the additional PCIe slots for the NICs, larger form-factor servers will be required, increasing hardware costs.
- D.** iSCSI adapters can use Jumbo Frames, providing improved performance for storage traffic. The hypervisor software stack cannot use Jumbo Frames, resulting in poorer performance.

Answer: A

Question No : 16

A company is thinking of deploying a new HR application to the public cloud.. However, they are concerned about the regulatory requirements. Several of the countries in which the company operates require that personal information not flow across country borders.

What should the company do when it investigates cloud providers?

- A.** Evaluate the cloud provider's architecture to ensure that it can satisfy regulatory requirements
- B.** Accept the cloud provider's service-level agreement for specific protections regarding employee data
- C.** Review the cloud provider's audit results to verify that it has never moved data across

country borders

D. Create a one-off contract with the cloud provider to specify handling of employee data

Answer: A

Question No : 17

Which backup solution(s) are possible candidates when there is a need to restore specific files on a VM?

- A. VM-based backup and image-based backup
- B. Storage-based backup only
- C. Hypervisor-based ("VM as flat file") backup
- D. Storage-based backup and image-based backup

Answer: A

Question No : 18

An organization supporting 12,000 desktop PCs is considering implementing VDI.

What is a benefit of moving forward with a VDI plan?

- A. Ease of addressing compliance issues
- B. Reduced impact on network infrastructure
- C. No change in desktop management methods and tools
- D. Immediate cost savings

Answer: A

Question No : 19

What are the four key areas reported on a scorecard used to compare the assessments of internal IT to Service Providers?

- A. Security, Privacy, Service Levels, Audit
- B. Security, Compliance, Privacy, Service Levels

- C. Security, Compliance, Cost, and Business Stability
- D. Security, Compliance, Governance, and Risk

Answer: A

Question No : 20

What is a feature of the Cisco Unified Computing System (UCS)?

- A. Server identity pools
- B. Fabric reconfiguration services
- C. Layer 3 routing optimization
- D. CMDB maintenance utilities

Answer: A

Question No : 21

What is a benefit of archiving data to the cloud using Atmos and FMA?

- A. Auto-deletes aging files
- B. Provides elastic object storage
- C. Improves search and index
- D. Accelerates file retrieval speed

Answer: B

Explanation: References:

Question No : 22

Which method of storage virtualization provides the added benefit of wide striping?

- A. Virtual LUN Migration
- B. Virtual Provisioning
- C. Server-based storage virtualization
- D. Storage tiering