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Exam : **E20-018**

Title : Virtualized Data Center and Cloud Infrastructure Design Specialist

Version : DEMO

1.What is the first phase of the Virtual Data Center Design Process?
A. Evaluate technology options
B. Create plan
C. Perform initial analysis
D. Gather data
Answer: D

2.What is the key business goal when consolidating by business application?
A. Virtualize the compute environment for efficiency
B. Identify security gaps and increase security measures
C. Reduce footprint by decreasing energy and space requirements
D. Implement converged network technology for performance
Answer: A

3.A large company with multiple heterogeneous arrays would like to take advantage of the performance simplified management benefits of storage virtualization. They have a data center transformation pain that includes producing power and cooling at a high priority.
Which storage virtualization method would meet their requirements?
A. Network-based storage tiering
B. Vertical storage tiering
C. Server-based storage tiering
D. Horizontal storage tiering
Answer: B

4.When using logging to maintain server security, which is the key element for intrusion detection and should be contained the server logs?
A. Vulnerability scan that identifies susceptible services that are active on the server.
B. Results of penetration testing through uncover problem probable weaknesses.
C. An entry for each application transaction with details of the organization.
D. Alerts to suspicious activities that require further investigation.
Answer: D

5.What is a key VDC and cloud planning consideration for IT governance?
A. Change management
B. Regulations
C. Separation of duties
D. Creating trust zones
Answer: C

6.A midsize company has deployed centralized storage and is currently planning to virtualize their servers. They have considered their application into Tiers, with Tier 1 application requiring the same service and performance levels of the current servers.
They have purchased new, high capacity servers for the virtualized environment and are planning to consolidate several physical servers into a single hypervisor. They are know determining the bandwidth

requirements of the application in order to purchase the current number of FCME CNAs for each server. The results of their analysis for Tier 1 application are as follows:
Average SAN Bandwidth: 3 Gb/s
Average LAN Bandwidth: 2 Gb/s
What is the minimum number of CNAs they would need to install an each server to meet the bandwidth required for the Tier 1 application while providing CAN redundancy and high availability?
A. 1
B. 2
C. 3
D. 4
Answer: B

7.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

8.What would you identify as a business application in applying IT as a Service to IT processions?
A. Defined workflow request processes
B. Funded as a cost center
C. Virtual data center best practices
D. SLA-driven management
Answer: A

9.A development organization uses a PaaS service from a public cloud to develop and test an application. Once sending and verification are complete, the development team discovers that the cloud services uses proprietary software in the PaaS clustering mailing and deployment of the application within their production data center imposition without significant application records.
What this type of lock-in called?
A. Geographical lock-in
B. Technology lock-in
C. Cloud lock-in
D. Vendor lock-in
Answer: D

10.When applying compliance principles to your company’s VDC and cloud architectures, how should you approach your information life cycle management strategy?
A. Data of reset
B. Archival and offsite storage
C. Production and backup
D. Inception to completion
Answer: B

11.A customer has implemented a Vblock solution in their primary data centre. They are using a single management tool set to configure and provisions the computer, network, and storage resources within the Vblock.
Which management tool are they using?
A. EMC ControlCenter
B. EMC Unisphere
C. EMC United Infrastructure Manager
D. VMware vCenter
Answer: C

12.Which two capacity management objectives often conflict with each other?
A. Manageability and redundancy
B. Availability and security
C. Compliance and efficiency
D. Efficiency and availability
Answer: D

13.A customer has asked you to develop a framework for assuming that the cloud Part of this will resume an assessment development.
Where should you lock first for assessment criteria and technologies?
A. International standards
B. Internal IT development
C. Company metadata
D. Industry best practices
Answer: D

14.What is its approach to addressing performance issues during the Virtualize phrase of the cloud maturity mode?
A. Selective
B. Investigative
C. Proactive
D. Reactive
Answer: D

15.Your client is considering a virtualized data center (VDC) as an investment in process improvement.
A VDC can improve the delivery of which business process?
A. Auditing
B. Business continuity / disaster recovery
C. Compliance
D. Capacity planning / management
Answer: D

16.A company has distributed infrastructure model where each remote office has its own site specific and

application servers. These remote offices are all connected to a central data through lines that have a limited amount of bandwidth. The hardware is aging, and the lines will be ending soon.
The company's overall objective is to reduce the number of servers at each location to one physical server.
What is the business driver to Virtualize these systems?
A. Broad network access
B. Consolidation
C. Improved productivity
D. Operational flexibility
Answer: B

17.The CIO has asked you to review the status of your company's cloud deployment and validates that the implementation has entered the IT-as-a-Service phase.
Which capability must be in place to transmitting to this phase?
A. Self-service
B. Policy-driven automation
C. Chargeback
D. Zero-touch Infrastructure
Answer: B

18.What is a key benefit to consumers of cloud services?
A. Start with minimal capital expenditure
B. Dedicated SAN access to applications
C. Requires extensive IT skills
D. No operational expenditure
Answer: A

19.A large enterprise has virtualized heavily and is in the process of implementing configuration management in the virtual infrastructure. One thing that causes a large number of incidents is the movement of virtual guest between physical hosts while maintaining network configuration and security configuration consistency.
Which feature should they implement to ensure consistency of network configuration and security while maintaining virtual machine mobility?
A. Virtual switches
B. VLAN tagging
C. Distributed virtual switches
D. Port grouping
Answer: C

20.What caching technique does VPLEX use to ensure that the new write operation take advantage of underlying disk array functionality?
A. Write-back
B. Write-through
C. Flush-on-idle

D. Cache mirroring

Answer: D