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Exam : 3V0-21.21

Title : Advanced Design VMware vSphere 7.x

Version : DEMO

1.An architect is designing an environment for a retail customer. The design will use a single small vCenter Server Appliance and a cluster of eight ESXi hosts at a remote site. There is a single 10 GbE connected network at the remote site to support all management services. It is not possible to create additional management networks at the remote site. Virtual machine backups at the site will be dependent on the vCenter Server being available.
Which design decision should the architect make to maximize availability for backups?
A. vCenter Server High Availability will be configured.
B. The vCenter Server Appliance will be protected with vSphere Fault Tolerance.
C. The cluster will be configured to use vSphere DRS in fully automated mode.
D. The cluster will be configured with vSphere HA and set to restart virtual machines based on guest operating system heartbeat monitoring.
Answer: B

2.During a transformation project kick-off meeting, an architect highlights specific areas on which to focus while developing the new conceptual design.
Which two of the listed statements are business requirements? (Choose two.)
A. The project should use the existing storage devices within the data center
B. Sites must support a network latency of less than 12 ms round-trip time (RTT)
C. The solution must allow data replication between sites
D. There is no budget specifically assigned for disaster recovery
E. There must not be a single point of failure for the virtual infrastructure
Answer: C,E

3.A new vSphere platform is being created. The platform will host virtual machines that will run management services and line-of-business applications.
What should the architect consider when designing the number and type of clusters required?
A. Maximum tolerable downtime
B. Predicted platform growth
C. Auditing requirements for the virtual machines
D. The level of isolation required between virtual machine classifications
Answer: D

4.The Chief Operating Officer (COO) at an organization raises concerns that their virtual infrastructure environment is vulnerable. Recently, a security-related issue with a virtual machine caused all management services to become unavailable. No budget is available in the short term for additional platform investment.
An architect is asked to review the current environment and make recommendations to mitigate concerns. A virtualization administrator has provided the following details:
➪ There is a single four node cluster of ESXi servers
➪ There are two, Layer 2, physical network switches connecting resources
➪ The data center network is presented as a single /16 subnet
Given the information provided, which functional requirement should the architect include in the design to mitigate the COOs concerns?
A. The virtual infrastructure environment must connect application virtual machines and management

services to new physical network switches
B. The virtual infrastructure environment must connect application virtual machines and management services to separate distributed virtual switches (DVS)
C. The virtual infrastructure environment must connect application virtual machines and management services to separate VLANs
D. The virtual infrastructure environment must connect management services to a vSphere standard switch (VSS)
Answer: C

5.Following a recent acquisition, the architect learns that both companies use vSphere on-premise and will need to combine the data centers into one. The acquired company's licenses will not be renewed for cost-savings related to the acquisition. All consumed vSphere licenses must have active support to support line-of-business operations. The merged environment must maintain 25% spare capacity. The architect has a small budget remaining unallocated for hardware.
The architect has calculated that the current vSphere environment can absorb the acquired company's virtual machines but the cluster will run at 90% memory utilization and at 50% CPU utilization.
Which design decision can the architect make to incorporate the new company's virtual machines into the combined vSphere environment?
A. Migrate the acquired company's virtual machines into the vSphere environment as it will currently fit.
B. Use the current budget to add memory to the cluster to increase each ESXi host's capacity and add the new virtual machines.
C. Purchase extra hosts to add to the cluster in anticipation of adding the acquired company's virtual machines.
D. Purchase new licenses for some of the acquired company's ESXi hosts and add them to the cluster to hold the acquired company's virtual machines.
Answer: B