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Advanced Design VMware vSphere 7.x

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QUESTION 1

Following a recent acquisition, an architect needs to merge IT assets into its current data center. The combined vSphere environment will need to run the newly acquired company's virtual machines. Network integration work has already been completed and the current environment has capacity to host all virtual machines. The Operations team needs to identify which virtual machines belong to the acquired company and report on their usage.

How should the architect merge the company's assets and virtual machines?

- A. Leave the newly acquired company's assets in its current place
- B. Lift and shift the acquired assets into the data center
- C. Migrate the acquired company's virtual machines into the existing vSphere environment
- D. Migrate and apply vSphere tags to the acquired company's virtual machines

Correct Answer: D

QUESTION 2

An architect is tasked with planning the design of a new vSphere environment. When commissioned, this environment will be used to migrate an existing set of virtual machines.

An inventory of the existing infrastructure, including configured vCPU, RAM and storage sizes has been provided.

In order for each virtual machine to be migrated, which two data sources with peak and average utilization data are required for sizing? (Choose two.)

- A. %Ready
- B. Disk Write latency
- C. CPU
- D. Ballooned memory
- E. IOPS

Correct Answer: BE

QUESTION 3

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.

Correct Answer: C

QUESTION 4

An architect is tasked with designing a new VMware software-defined data center (SDDC) using VMware vSAN. The architect uses a storage assessment tool to determine the storage requirements for the new vSAN cluster. The new SDDC is going to be deployed into the existing data center and must be connected to a shared core network switch.

The architect decides to use vSAN ReadyNodes with the following configuration:

Two disk groups with:

- Write Intensive NVMe 800 GB drive for cache
- Four 3.84 TB Mixed Use NVMe for capacity Four 10 GbE ports

Which element represents a risk that should be included in this design?

- A. The number of 10 GbE capable ports in the vSAN ReadyNode
- B. The use of vSAN ReadyNodes
- C. The existing network is 10 GbE capable
- D. The use of NVMe drives for cache and capacity

Correct Answer: C

QUESTION 5

The Chief Information Security Officer (CISO) for an organization is concerned about the security posture of the operating system images that are used for the provisioning of their Software-as-a-Service (SaaS) applications. The organization is in a growth period. The organization is opening a new data center to

launch its next phase of new SaaS-based solutions.

The DevOps team currently creates encrypted virtual machine (VM) templates that are used for various operating systems and adds these to the vSphere inventory. The DevOps team already uses a published content library and has been granted a role with the ability to add and delete library items.

The following requirements have been noted:

Impacts to the DevOps team's operational processes must be kept to a minimum.

The DevOps team must be able to regularly check out a copy of the image for updates and check in a new version of the image.

Images must be synchronized from the primary data center to the new data center.

Which three recommendations should the architect make to design a content library solution that will meet these requirements? (Choose three.)

- A. Clone virtual machines as VM templates to the published content library
- B. Create a subscribed library from the published library and synchronize Open Virtualization Format (OVF) templates on-demand
- C. Create a subscription and publish VM templates to a subscribed content library
- D. Create a subscribed library from the published library and synchronize Open Virtualization Format (OVF) templates automatically
- E. Clone virtual machines as Open Virtualization Format (OVF) templates to the published content library
- F. Update the role for the DevOps team with new privileges

Correct Answer: BEF

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