QUESTION & ANSWER

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Exam : **3V0-21.23**

Title : VMware vSphere 8.x Advanced Design

Version : V8.02

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

Answer: D

2.An architect is designing a new vSphere environment to meet the following requirements:

- The environment must support 5,000 virtual machines.

- The environment will be built initially using 350 hosts.

Which vCenter Server appliance deployment size should the architect specify for the design?

A. Large

B. Small

C. Tiny

D. Medium

Answer: A

3.The storage team at an organization is planning to migrate from an older Fibre Channel storage environment to a new environment using IP-based storage.

Which two switch features or characteristics are appropriate for IP storage networks? (Choose two.)

A. Fabric extending devices

B. Spanning Tree Protocol (STP)

C. 2:1 or greater bandwidth oversubscription for 10 GbE switches

D. Non-blocking switch

E. Deep or ultra buffered switches

Answer: DE

4.What do availability requirements for vCenter Server relate to?

A. Ensuring the system meets the required industry regulations and standards.

B. The potential risks and threats that could impact vCenter Server's availability.

C. Specifying the expected levels of system performance and responsiveness.

D. Ensuring uninterrupted access to vCenter Server and its services.

Answer: D

5.An architect is designing a new vSphere platform for a customer to meet the following requirements:

- The platform must be deployed into five physically separate sites.

- The sites are spread across multiple regions.

- Some sites require more than one vCenter Server.

- The platform must provide an administrator with the ability to access virtual infrastructure components

across all sites from a single management tool instance.

Which single sign-on (SSO) design recommendation will meet these requirements?

A. Use an SSO domain across all vCenter Server instances

B. Use an SSO domain per region

C. Use an SSO domain per vCenter Server instance

D. Use an SSO domain per site

Answer: A

6.How do you determine the network protocol needs for a vSphere network design?

A. By calculating the storage requirements for vSphere hosts.

B. By identifying the number of virtual machines that will run on the hosts.

C. By specifying the expected levels of system performance and responsiveness.

D. By considering the type of data traffic and communication requirements in the environment.

Answer: D

7.An architect is tasked with designing a greenfield VMware software-defined data center (SDDC) solution that will be used to deliver a private cloud service for a customer.

During the initial meeting with the service owner and business sponsor, the customer has provided the following information to help inform the design:

- The solution must support the concurrent running of 1,000 virtual machines

- The production environment must be delivered across two geographically dispersed data centers

- All virtual machines must be capable of running in either data center.

- The two data centers are currently connected to each other through a single but diversely routed, high bandwidth and low latency link.

- The link between the two data centers is capable of supporting a round-trip time (RTT) of 150 ms

- The existing server hardware standard document states that all virtual infrastructure hosts must be deployed using vSAN ReadyNodes

- The service owner has stated that it is critical to ensure the availability target of 99.9%

- All virtual machine backups must be completed using the existing backup service

- The recovery time objective (RTO) for the service is five minutes

- The recovery point objective (RPO) of the service is four hours

Which two elements represent risks to the successful delivery of this solution? (Choose two.)

A. The use of only two data centers

B. The network connectivity between data center sites

C. The use of vSAN ReadyNodes

D. The RTT on the link between the two data centers

E. The use of the existing backup service

Answer: BE

8.In the context of the AMPRSS framework, what does "Manageability" refer to?

A. The ability of the system to handle increased user loads.

B. The ease with which system administrators can manage and monitor the system.

C. The capability of the system to resist and recover from security attacks.

D. Optimizing the system's performance for efficient resource utilization.

Answer: B

9.What is the purpose of determining business continuity requirements for a vSphere design?

A. To optimize the system's data storage and retrieval processes.

B. To identify the virtual machines and cores needed for the vSphere environment.

C. To ensure uninterrupted business operations in case of disruptions or failures.

D. To specify the expected levels of system performance and responsiveness.

Answer: C

10.An architect is preparing a design for a company planning digital transformation.

During the requirements gathering workshop, the following requirements (REQ) and constraints (CON) are identified:

- REQ01 The platform must host different types of workloads including applications that must be compliant with internal security standard.

- REQ02 The infrastructure must initially run 100 virtual machines.

- REQ03 Ten of the virtual machines must be compliant with internal security standard.

- REQ04 The internal security standard specifies logical network separation for in-scope applications.

- CON01 The customer has already purchased the licenses as part of another project.

- CON02 The customer has five physical servers that must be reused.

Additionally, based on resource requirements, four physical servers will be enough to run all workloads.

Which recommendation should the architect make to meet requirements while minimizing project costs?

A. Use Network I/O Control to ensure the internal security zone has higher share value

B. Purchase additional servers and plan separate, isolated clusters for workloads that must be compliant with internal security

C. Use a single cluster and ensure that different security zones are separated at least with dedicated VLANs and firewall

D. Use a single cluster and configure DRS anti-affinity rules to ensure internal security compliant virtual machines cannot migrate between ESXi hosts.

Answer: C

11.What is the primary purpose of gathering and analyzing performance requirements?

A. To determine the number of concurrent users the system can support.

B. To specify the expected levels of system performance and responsiveness.

C. To define the hardware specifications required for the system.

D. To optimize the system's data storage and retrieval processes.

Answer: B

12.An architect is designing a new VMware software-defined data center (SDDC) that will consist of 100 branch sites connected to a single VMware vCenter Server within the primary data center.

To allow for the use of existing automation scripts, there is a requirement to replicate the names of the virtual distributed port groups across all sites.

The procurement team purchases licensing and there is no further budget allocated.

Which design decision should the architect make to meet this requirement?

A. A new vCenter Server will be deployed for each branch site