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QUESTION 1

An architect is tasked with designing a new VMware software-defined data center (SDDC) solution for an online retail customer who has a primary and secondary data center as well as 10 distribution hubs.

The customer has provided the following business requirements to help inform the design:

The solution must support the running of up to 1,000 concurrent virtual machines across the primary and secondary data center.

The solution must support the running of up to 20 concurrent virtual machines in each distribution hub.

The solution must support the separation of management and lines-of-business application virtual machines.

All management components (including directory services, backup, automation, operations and logging) must be deployed to the primary data center.

All virtual infrastructure components must have redundancy of N+1.

All sites are connected to each other using a wide area network that has multiple diversely routed links.

The solution should support a monthly uptime target of 99.9%.

The recovery time objective (RTO) for the solution must be four hours.

The recovery point objective (RPO) for the solution must be 24 hours.

Given the information from the customer, which assumption should the architect include in the design?

- A. All business application virtual machines can be deployed into a single cluster within the primary data center.
- B. Each distribution hub should be configured with a backup device.
- C. The wide area network has sufficient bandwidth to support centralized management.
- D. Each cluster will have a minimum of four hosts.

Correct Answer: B

QUESTION 2

During a requirements gathering workshop, the customer provides the following information:

Each host has 2 × 10 GbE NIC EtherChannel is not currently configured No changes can be made to the physical network Network throughput must be prioritized for defined critical services



Which two recommendations should the architect make with regard to virtual networking? (Choose two.)

- A. Use Route Based on Physical NIC Load.
- B. Use Network I/O Control with Shares.
- C. Use Network I/O Control with Reservation.
- D. Use Link Aggregation Control Protocol (LACP).
- E. Use Network I/O Control with Limits.

Correct Answer: AD

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/vsphere-esxi-vcenter-server-65-networkingguide.pdf>

QUESTION 3

As part of a requirements gathering workshop, the customer provides the following requirements for the design of a new greenfield virtual infrastructure:

Some applications have a latency that must be less than 5 minutes.

The solution must be able to support a workload growth rate of 10% per year.

Which requirement classification is being gathered for the design documentation?

- A. Performance
- B. Manageability
- C. Recoverability
- D. Availability

Correct Answer: A

QUESTION 4

An architect is designing a new greenfield environment that will install ESXi on local disks. There is a requirement to streamline initial and future installations of ESXi hosts.

Which configuration option should the architect recommend for installing ESXi hosts to meet these requirements?

- A. Installation with kick start script
- B. Auto Deploy with stateless caching mode
- C. Manual installation using boot from SAN



D. Auto Deploy with stateful install mode

Correct Answer: B

QUESTION 5

An architect is designing a solution for an environment with two types of resource profiles that must be virtualized. The first type consists of Tier 1 virtual machines that are disk I/O intensive, but do NOT require high CPU or memory. The second type consists of Tier 2 virtual machines that require a lower CPU and memory allocation and have minimal disk I/O.

Which design recommendation should the architect make for distributing the resource profiles?

- A. Separate the two resource profiles into two clusters. The Tier 1 cluster will have fast storage while the Tier 2 cluster will not.
- B. Run both resource profiles on the same cluster with the same host hardware platform.
- C. Separate the two resource profiles into two clusters. The Tier 2 cluster will have faster CPU and more memory while the Tier 1 cluster will have slower CPU and less memory but more disk space.
- D. Run both resource profiles on the same cluster with host hardware that has fast CPU, large amounts of memory, and the fastest storage platform.

Correct Answer: D

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