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Advanced Design VMware vSphere 7.x

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QUESTION 1

An architect has 50 ESXi hosts to deploy and DHCP servers are not allowed on any network. Which automated host deployment method should the architect use?

- A. Stateless vSphere Auto Deploy
- B. Stateful vSphere Auto Deploy
- C. Scripted installation
- D. Interactive installation

Correct Answer: C

QUESTION 2

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

Correct Answer: BC

QUESTION 3

A new real-time financial service application is being developed by the engineering team at a financial firm and will be released as a public Software-as-a-Service (SaaS) offering. The solutions architect has designed and deployed a new vSphere environment and the supporting network infrastructure for hosting all public services. ESXi hosts are configured to use Precision Time Protocol (PTP) and a local stratum-1 network time server. Application provisioning and scaling will be managed by VMware vRealize Automation and can be run on Microsoft Windows or multiple distributions of Linux.

Which three recommendations should the architect include in the design to ensure that the service maintain timekeeping within an accuracy of one second? (Choose three.)

- A. Use Microsoft Windows Server as the guest operating system.
- B. Configure the chrony time-sync agent on each virtual machine guest operating system.



- C. Set the virtual hardware device to use Host System Time (NTP) for each virtual machine running the application.
- D. Add a precision clock virtual device to each virtual machine running the application.
- E. Use a Linux distribution as the guest operating system.
- F. Add a virtual watchdog timer (VWDT) device to each virtual machine running the application.

Correct Answer: ABC

QUESTION 4

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

Correct Answer: C

QUESTION 5

An architect is designing storage for a new vSphere environment to meet the following requirements:

Asynchronous replication is required between two sites.

The impact on the storage layer should not impact the performance of the compute layer.

Each application tier will require different replication attributes.

Virtual machine live migration across compute and storage must be supported.

Virtual machine aware back up will be leveraged.

Operational management overhead should be minimized.

Operational automation should be supported.



Which storage design recommendations would meet the requirements?

- A. Two new Fibre Channel storage arrays will be deployed, one at either site. Each application tier will be initially provisioned a new LUN. Data replication will be offloaded to the new arrays.
- B. Two new vSphere clusters enabled with vSAN will be deployed, one at either site. vSAN will be used to provide policy-based management for each application tier. vSphere Replication will be used to replicate the virtual machine data in an asynchronous configuration.
- C. Two new iSCSI storage arrays will be deployed, one at either site. Each application tier will be initially provisioned a new LUN. Data replication will be offloaded to the new arrays.
- D. Two new storage arrays will be deployed, one at either site. vSphere Volumes (vVOLS) will be used to provide policy-based management for each application tier. Data replication will be offloaded to the new arrays.

Correct Answer: A

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