

## VMware

3V0-21.23

*VMware vSphere 8.x Advanced Design*

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# Latest Version: 6.0

## Question: 1

The architect for a large enterprise is tasked with reviewing a proposed design created by a service partner. Which design elements are expected to be detailed within the physical design section of the documentation?

Response:

- A. A design diagram illustrating the configuration and specific attributes, such as IP addresses
- B. A list of requirements, constraints, and risks
- C. A solution architecture diagram with the components and data flow
- D. An entity relationship diagram describing upstream and downstream dependencies for specific service components

**Answer: A**

## Question: 2

An architect is designing a solution for an environment with a limited number of operating system licenses. How should the architect design the virtual infrastructure to meet the operating system license requirements?

Response:

- A. Place the hosts into a single cluster and enable automated placement of virtual machines.
- B. Create rules to restrict placement of virtual machines to specified hosts.
- C. Create a resource pool and only put the virtual machines that need the operating system licenses within the pool.
- D. Use standalone ESXi hosts and only apply the operating system licenses to those hosts.

**Answer: B**

## Question: 3

An architect is designing a new platform. Existing virtual machines will be migrated to this platform. The migration process is defined as follows:

- A migration host will be loaded with virtual machines from the old platform.
- The migration host will be added to the desired new cluster.
- Virtual machines compute and storage will be migrated to desired hosts in the new platform.
- The migration host will be removed and added back to the old platform so the process can restart.

The following characteristics are noted:

- A total of 800 virtual machines will be migrated.
- A total of 50 hosts will be available in the new platform.
- The migration host will have four paths to each of 512 connected LUNs.

Which size vCenter Server should be specified for the new platform?

Response:

- A. Large
- B. Small
- C. Medium
- D. Tiny

**Answer: A**

## Question: 4

An architect is assigned to report available capacity of a vSphere platform and is provided with the following:

- Read-only access to the platform's virtualization monitoring tool
- Full access to an internally developed and manually updated Configuration Management Database (CMDB) tool
- Access to a document repository containing the go-live design documentation for each application
- Links to vendor best practice documentation for many of the deployed applications
- Access to the company wide in-guest monitoring tool

Information extracted from which two sources will accurately provide the required information?  
(Choose two.)

Response:

- A. Virtualization monitoring tools
- B. Application virtual machine design documents
- C. In-guest monitoring tools
- D. Application vendor best practice documentation
- E. Support organizations Configuration Management Database (CMDB)

**Answer: A,C**

## Question: 5

An architect decides to separate virtual desktops and application servers into separate vSphere clusters to meet security and management requirements. What are two implications of this design decision?  
(Choose two.)

Response:

- A. Identical hardware must be procured for all hosts.
- B. There will be a reduction in performance.

- C. The patching cycles will affect both clusters at the same time.
- D. There will be an increase in management overhead.
- E. There will be additional licensing and cost requirements for both clusters.

**Answer: D,E**

### Question: 6

A customer has a database cluster with 40/60 read/write ratio and a high IOPs requirement with no contention on an all-flash vSAN cluster. Which two storage settings should be configured for best performance?

(Choose two.)

Response:

- A. IOPs limits enabled
- B. RAID 1
- C. Deduplication and Compression disabled
- D. RAID 5/6
- E. Deduplication and Compression enabled

**Answer: B,D**

### Question: 7

What is a benefit of using a scale-out method for handling vSphere cluster growth?

Response:

- A. Less potential impact to virtual machines during a single host failure
- B. Faster to reach the limit of virtual machines per host
- C. An increase in the recovery time objective (RTO) for the cluster
- D. An overall reduction in the license costs for the cluster

**Answer: A**

### Question: 8

Which of the listed requirements would be classified as a recoverability non-functional requirement?

Response:

- A. The platform must be integrated with existing change control policies.
- B. The platform must be able to support a maximum tolerable downtime (MTD) of 30 minutes.

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- C. Maintenance windows must be scheduled to take place monthly during an established overnight period.
- D. The platform must be available 24 hours a day, 7 days a week with the exception of scheduled downtime.

**Answer: B**

### Question: 9

An architect is designing a solution for an environment that has an application consisting of five resource-intensive virtual machines. Which design recommendation should the architect make to avoid resource bottlenecks?

Response:

- A. Create a cluster with three hosts and only run the application virtual machines on this cluster.
- B. Create a cluster with six hosts and use automated placement rules to keep the application virtual machines together.
- C. Create a cluster with six hosts and use automated placement rules to keep the application virtual machines apart.
- D. Create a cluster with four hosts and use rules to prioritize the resources for the application virtual machines.

**Answer: C**

### Question: 10

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.)

Response:

- 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: D,E**

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