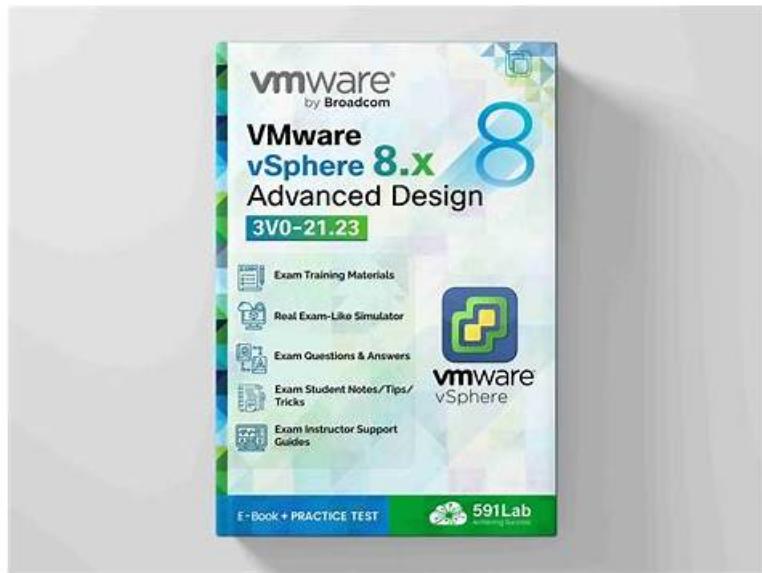


Quiz VMware - Newest 3V0-21.23 - VMware vSphere 8.x Advanced Design Reliable Test Tips



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VMware 3V0-21.23 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">IT Architectures, Technologies, Standards: This section of the exam measures the skills of IT Architects and covers differentiating between business and technical requirements, as well as conceptual, logical, and physical design. A key skill measured is "Designing System Availability."
Topic 2	<ul style="list-style-type: none">Plan and Design the VMware Solution: This part targets Solution Designers, evaluating their ability to gather business objectives, create conceptual models based on these objectives, develop logical designs, and translate them into physical designs that meet specific requirements like manageability or security.
Topic 3	<ul style="list-style-type: none">VMware Products and Solutions: Targeting VMware Engineers, this section describes VMware Cloud Foundation architecture, its components like vSphere and NSX, benefits such as automation and scalability, and use cases like hybrid cloud environments. It assesses understanding of VMware Validated Solutions.

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VMware vSphere 8.x Advanced Design Sample Questions (Q25-Q30):

NEW QUESTION # 25

An architect is creating the design for a vSphere platform that will be used as the target for a migration from multiple legacy vSphere platforms that are being decommissioned. The customer has provided the following information:

Each legacy platform has its own set of virtual machine templates stored in OVF format.

All of the templates need to be migrated to the new platform.

After migration, the templates should be centralized into a single location.

The templates must be accessible to all clusters in the new platform vCenter instance.

Any new templates added to the central location must be automatically available to all clusters.

Administrators must be able to deploy new virtual machines directly from the template instances.

The customer also confirmed that after the migrations are complete, the new platform will be the only vSphere solution available.

Which design choice should the architect evaluate in the logical design for the storage and management of virtual machine templates?

- A. Use a subscribed content library
- B. Use a shared datastore on each vSphere cluster
- C. Use a dedicated datastore on each vSphere cluster
- D. Use a local content library

Answer: A

NEW QUESTION # 26

An architect is designing a new vSphere solution. The customer has provided the following information to describe how the solution will be used:

The solution will host development workloads

Administrators will utilize snapshots frequently, with snapshots sometimes retained for extended periods of time. Some of the workloads are sensitive to latency on the I/O of the storage. Storage for the workloads will be provided by a physical array. The physical array does not include a storage provider. All workloads must be hosted on the solution, there are no other vSphere environments available for use. Which design decision should the architect make to meet the needs of the customer?

- A. Use a storage array which supports VMware vSphere APIs: Array Integration (VAAI) to configure VMFS datastores for the workloads
- B. On workloads which will use snapshots, set the latency-sensitivity=high advanced setting
- C. Use a storage array which supports vSphere Storage APIs - Storage Awareness (VASA) to configure Virtual Volumes (vVols) datastores for the workloads
- D. On workloads which are sensitive to latency, set the latency-sensitivity=high advanced setting

Answer: A

Explanation:

VAAI (vSphere APIs for Array Integration) improves storage performance and offloads certain tasks (such as cloning, snapshots, and more) directly to the storage array. This is important because the customer will be utilizing snapshots frequently, and VAAI can help accelerate snapshot operations, reducing the impact on the ESXi host and improving overall performance.

Since the physical array does not include a storage provider and does not support vSphere Storage APIs - Storage Awareness (VASA) or Virtual Volumes (vVols), the solution should focus on using VMFS datastores with a VAAI-capable storage array. This setup allows better performance for snapshot operations and other storage tasks.

NEW QUESTION # 27

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

- A. By specifying the expected levels of system performance and responsiveness.
- B. By considering the type of data traffic and communication requirements in the environment.
- C. By calculating the storage requirements for vSphere hosts.
- D. By identifying the number of virtual machines that will run on the hosts.

Answer: B

NEW QUESTION # 28

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 initially support the concurrent running of 300 production and 600 development virtual machines.
- The production environment should be delivered across two geographically dispersed data centers.
- The development environment must be vSphere-based but does not have to be deployed on-premises.
- The two data centers are connected to each other through multiple diversely routed, high bandwidth and low latency links.
- The customer's server hardware standard document states that all virtual infrastructure hosts must be based on blade architecture only.
- The service owner has said that is important to ensure that neither the availability target of 99.5% nor the resource capacity is affected when the operations team completes maintenance activities, such as the monthly software patching and ad-hoc hardware break/fix.
- All virtual machine backups must be completed using the existing backup service.
- The recovery time objective (RTO) for the service is four hours.
- The recovery point objective (RPO) of the service is 24 hours.

Given the information from the customer, which two would be classified as assumptions within the design? (Choose two.)

- A. The backup service will store data in a secure facility
- B. **The backup service has sufficient capacity for the new requirements**
- C. The customer will update their hardware standard to support rack mount servers
- D. All virtual machines will be deployed with the same resource profile for production and development
- E. **The clusters will have a minimum redundancy of N+1**

Answer: B,E

NEW QUESTION # 29

An architect is tasked with expanding an existing VMware software-defined data center (SDDC) solution so that it can be used to deliver a virtual desktop infrastructure (VDI) service off-shore development activities.

The production environment is currently delivered across two geographically dispersed data centers. The two data centers are currently connected to each other through multiple diversely routed, high bandwidth and low latency links. The current operations management components are deployed to a dedicated management cluster that is configured with N+1 redundancy. The current VMware software-defined data center (SDDC) has a monthly availability target of 99.5%, which includes all management components.

The customer requires that the new solution scale to support the concurrent running of 500 persistent virtual desktops. The virtual desktops must not share the same virtual infrastructure as existing virtual machines, but can be managed using the same VMware operations management components. Any new VDI service management components must be installed into the management cluster. There is no requirement to back up the virtual desktops because all relevant user data is stored centrally. The VDI service is providing business critical services and must have an availability target of 99.9%.

Given the information from the customer, which two assumptions would the architect include in the design- (Choose two.)

- A. **The existing operations monitoring tools have sufficient capacity to monitor the new VDI services**
- B. The management cluster has N+1 redundancy
- C. The existing virtual infrastructure has sufficient capacity to host the new VDI workloads
- D. The VDI service has a higher service-level agreement (SLA) than the operations management SLA
- E. **The existing management cluster has enough available capacity to host any VDI service management component**

Answer: A,E

NEW QUESTION # 30

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