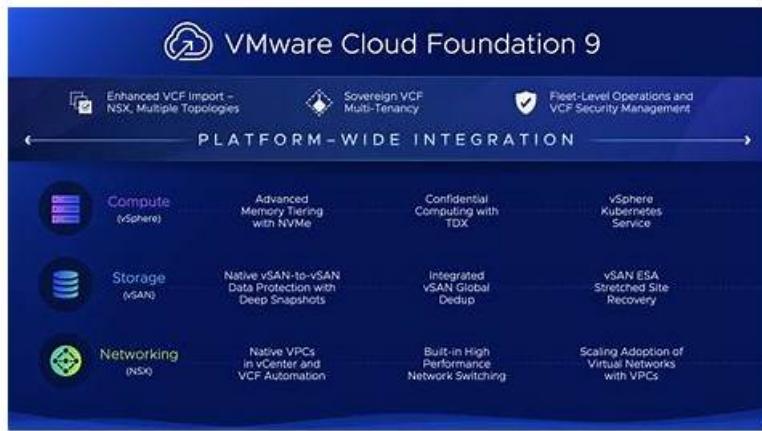


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VMware 2V0-13.25 Exam Syllabus Topics:

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 the ability to distinguish business requirements from technical ones. It expects candidates to understand the differences between conceptual, logical, and physical designs while also differentiating requirements, assumptions, constraints, and risks. Core concepts of availability, manageability, performance, recoverability, and security (AMPRS) are tested. Learners also need to document risk mitigation strategies, design decisions, and create a validation strategy that ties requirements to practical implementation.
Topic 2	<ul style="list-style-type: none">Troubleshoot and Optimize the VMware Solution: This section of the exam measures the skills of Operations Engineers. There are no explicitly testable objectives provided in this domain, but candidates are expected to understand troubleshooting and optimization principles to maintain the VMware environment effectively in real-world deployments.
Topic 3	<ul style="list-style-type: none">Plan and Design the VMware Solution: This section measures the skills of Cloud Infrastructure Designers. It focuses on gathering and analyzing business requirements and then transforming them into conceptual, logical, and physical models of VMware Cloud Foundation. Candidates are expected to identify prerequisites and make design decisions across fleet topologies, networking, management domains, workload domains, automation, and operations. The section also includes designing for availability within and across zones, creating strategies for manageability such as lifecycle, scalability, and capacity, and ensuring performance and recoverability through BCDR strategies. Additional emphasis is given to designing secure environments, workload migration strategies, and creating consumption, automation, and monitoring strategies to support modern applications and governance.

Topic 4	<ul style="list-style-type: none"> VMware Products and Solutions: This section of the exam evaluates the knowledge of VMware Solution Specialists and focuses on VMware Cloud Foundation (VCF). Candidates must be able to identify and differentiate between various VCF architecture options in given scenarios. The emphasis is on understanding the key products and how they integrate into enterprise design choices.
Topic 5	<ul style="list-style-type: none"> Install, Configure, Administrate the VMware Solution: This section of the exam is relevant to System Administrators. Although it has no directly testable objectives, it underlines the expectation that candidates are familiar with installation, configuration, and administration tasks that form the foundation for VMware Cloud Foundation solutions.

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VMware Cloud Foundation 9.0 Architect Sample Questions (Q51-Q56):

NEW QUESTION # 51

As part of the requirement gathering phase, an architect identified the following requirement for the newly deployed SDDC environment:

Reduce the network latency between two application virtual machines.

To meet the application owner's goal, which design decision should be included in the design?

- A. Configure a Storage DRS rule to keep the application virtual machines on the same datastore.
- B. Configure a Storage DRS rule to keep the application virtual machines on different datastores.
- C. Configure a DRS rule to separate the application virtual machines to different ESXi hosts.
- D. Configure a DRS rule to keep the application virtual machines on the same ESXi host.**

Answer: D

Explanation:

The requirement is to reduce network latency between two application virtual machines (VMs) in a VMware Cloud Foundation (VCF) 5.2 SDDC environment. Network latency is influenced by the physical distance and network hops between VMs. In a vSphere environment (core to VCF), VMs on the same ESXi host communicate via the host's virtual switch (vSwitch or vDS), avoiding physical network traversal, which minimizes latency. Let's evaluate each option:

Option A: Configure a Storage DRS rule to keep the application virtual machines on the same datastore Storage DRS manages datastore usage and VM placement based on storage I/O and capacity, not network latency. The vSphere Resource Management Guide notes that Storage DRS rules (e.g., VM affinity) affect storage location, not host placement. Two VMs on the same datastore could still reside on different hosts, requiring network communication over physical links (e.g., 10GbE), which doesn't inherently reduce latency.

Option B: Configure a DRS rule to keep the application virtual machines on the same ESXi host DRS (Distributed Resource Scheduler) controls VM placement across hosts for load balancing and can enforce affinity rules. A "keep together" affinity rule ensures the two VMs run on the same ESXi host, where communication occurs via the host's internal vSwitch, bypassing physical network latency (typically $<1\mu\text{s}$ vs. milliseconds over a LAN). The VCF 5.2 Architectural Guide and vSphere Resource Management Guide recommend this for latency-sensitive applications, directly meeting the requirement.

Option C: Configure a DRS rule to separate the application virtual machines to different ESXi hosts A DRS anti-affinity rule forces VMs onto different hosts, increasing network latency as traffic must traverse the physical network (e.g., switches, routers). This contradicts the goal of reducing latency, making it unsuitable.

Option D: Configure a Storage DRS rule to keep the application virtual machines on different datastores A Storage DRS anti-affinity rule separates VMs across datastores, but this affects storage placement, not host location. VMs on different datastores could still be on different hosts, increasing network latency over physical links. This doesn't address the requirement, per the vSphere Resource Management Guide.

Conclusion:

Option B is the correct design decision. A DRS affinity rule ensures the VMs share the same host, minimizing network latency by leveraging intra-host communication, aligning with VCF 5.2 best practices for latency-sensitive workloads.

Reference: VMware Cloud Foundation 5.2 Architectural Guide (docs.vmware.com): Section on DRS and Workload Placement.

vSphere Resource Management Guide (docs.vmware.com): DRS Affinity Rules and Network Latency Considerations.

VMware Cloud Foundation 5.2 Administration Guide (docs.vmware.com): SDDC Design for Performance.

NEW QUESTION # 52

What is a requirement for enabling vSphere High Availability (HA) on a cluster?

- A. Shared storage accessible by all hosts
- B. Linked vCenter Servers
- C. NSX-T deployment
- D. Backup server configured

Answer: A

Explanation:

HA requires shared storage to restart VMs after host failure.

NEW QUESTION # 53

Which VMware technology is a critical component of a software-defined data center?

- A. vSphere
- B. vSAN
- C. vRealize Suite
- D. NSX

Answer: A

Explanation:

vSphere provides the compute and virtualization layer for SDDC.

NEW QUESTION # 54

During a requirements gathering workshop, several business and technical requirements were captured from the customer. Which requirement will be classified as a Business Requirement?

- A. The solution must provide the best end-user experience.
- B. The solution must consider security and resiliency to ensure business continuity.
- C. The solution must allow the migration of legacy server infrastructure.
- D. The solution must provide a component-level SLA of 99.9% or higher.

Answer: A

Explanation:

Business requirements describe the high-level goals of the organization, typically related to user experience, cost reduction, compliance, or agility.

* A(best end-user experience) aligns directly with business objectives.

* B, C, and D are technical requirements: they specify infrastructure design behaviors (migration, security, SLA).

Therefore, the business requirement is ensuring the best end-user experience.

Reference: VMware Cloud Foundation 9.0 - Requirements Classification Framework (Business vs Technical).

NEW QUESTION # 55

For high-performance storage in VMware environments, which Broadcom components are essential?

- A. Fibre Channel HBA
- B. vSAN

- C. Broadcom NVMe SSD
- D. Broadcom RAID Controller

Answer: B,C,D

Explanation:

Broadcom NVMe SSDs, RAID controllers, and vSAN are essential for high-performance storage in VMware environments.

NEW QUESTION # 56

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