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flexibility. Can be deployed in a Simple or Highly Available Cluster deployment. Recommended deployment is a HA Cluster.... Simple deployment is for test/dev environments, it is not for production use cases."

By contrast, HA/clustered models increase resources to provide redundancy at scale. Since the requirement is the smallest resource footprint, the Simple model is the correct selection.

(Stretched/Continuous Availability options are not listed VCF Operations models in this context.)

6. An administrator is tasked to deploy a new vSAN Storage Cluster to an existing VCF instance. The VCF instance is deployed as a single workload domain.

What must the administrator do to achieve this without deploying additional management components?

- A. Deploy an additional VCF instance and workload domain with a vSAN storage cluster.
- B. Deploy additional hosts as vSAN storage-only nodes within the existing cluster.
- C. Deploy a second cluster as a vSAN storage cluster in the existing workload domain.
- D. Deploy an additional workload domain with a vSAN storage cluster within the existing VCF instance.

Answer: C

Explanation:

Comprehensive and Detailed

The VCF 9.0 Architecture and Deployment Guide explains that within a single Workload Domain, administrators can scale resources by adding additional clusters, including compute or vSAN storage clusters. Specifically, "A Workload Domain can contain multiple clusters. You can deploy a new cluster, such as a vSAN cluster, into an existing domain without introducing new management components." . Options A and D both introduce new workload domains or VCF instances, which require their own management stack (vCenter, NSX Manager, etc.) and are unnecessary in this scenario. Option B is incorrect because "vSAN storage-only nodes" are supported in vSAN but are not the method for adding a new cluster within VCF automation. The correct approach is deploying a second cluster inside the same workload domain—this reuses the existing management components while meeting the requirement for a new vSAN storage cluster.

7. Which two types of group can be created to collect and manage objects in Istio Service Mesh? (Choose two.)

- A. Security
- B. Cluster
- C. Service
- D. API
- E. Node

Answer: B, C

Explanation:

Comprehensive and Detailed

The Istio integration in VCF 9.0 defines two main logical groupings for organizing workloads within a service mesh: Cluster groups and Service groups. The documentation notes: "Cluster groups allow you to organize and manage objects across different Kubernetes clusters. Service groups let you aggregate and manage services that share common policies, routing rules, or observability requirements." . These groups enable administrators to apply consistent service mesh policies across multiple deployments and clusters. They also simplify administration by centralizing traffic management, routing,

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VMware 2V0-13.25 Exam Syllabus Topics:

Topic	Details
Topic 1	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 2	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.

Topic 3	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 4	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 5	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.

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VMware Cloud Foundation 9.0 Architect Sample Questions (Q162-Q167):

NEW QUESTION # 162

Discovery: Multiple business units (some from acquisitions) with separate AD instances. Each unit operates independently and requires dedicated development environments.

Requirement: Provide self-service provisioning through VCF Automation.

Which two design decisions should be included? (Choose two.)

- A. All tenants will be configured to use their dedicated AD instance for authentication.
- B. A VCF Automation project will be created for each business unit.
- C. All tenants will be configured to use the corporate AD instance for authentication.
- D. All projects will be configured to use their dedicated AD instance for authentication.
- E. A VCF Automation tenant will be created for each business unit.

Answer: A,E

Explanation:

VCF Automation (Aria Automation) supports multi-tenancy with separate AD integration:

* B: Each tenant must use their own AD instance, aligning with independence across business units.

* C: Create a tenant per business unit, ensuring isolation and dedicated resource allocation.

D (projects per business unit) could work in a single-tenant scenario but doesn't address multi-AD separation.

A/E force consolidation into corporate AD or single projects, violating independence requirements.

Reference: VMware Cloud Foundation 9.0 - VCF Automation Multi-Tenancy and Identity Integration.

NEW QUESTION # 163

Which Broadcom components should be used to ensure optimal VMware vMotion performance?

- A. vSphere Distributed Switch (VDS)
- B. vSAN
- C. Broadcom 25GbE Ethernet Adapter
- D. Broadcom RAID Controller

Answer: A,C

Explanation:

Broadcom 25GbE Ethernet Adapters and vSphere Distributed Switch (VDS) ensure optimal vMotion performance.

NEW QUESTION # 164

What are the best ways to troubleshoot Broadcom RAID controller issues in VMware?

- A. Update RAID controller firmware
- B. Reset RAID configuration
- C. Check for disk health and errors
- D. Review RAID array status

Answer: A,C,D

Explanation:

Checking disk health, RAID array status, and updating firmware can resolve most RAID controller issues.

NEW QUESTION # 165

An architect is designing a VMware Cloud Foundation (VCF)-based private cloud solution for a customer that will include two physical locations. The customer has stated the following requirement:

All management tooling must be resilient at the component level within a single site.

When considering the design decisions for VMware Aria Suite components, what should the Architect document to meet the stated requirement?

- A. The solution will deploy three Aria Automation appliances in a clustered configuration.
- B. The solution will configure the VCF Workload domain in a stretched topology across two locations.
- C. The solution will deploy Aria Suite Lifecycle Manager in a high availability configuration.
- D. The solution will implement an external load balancer for Aria Operations Cloud Proxies.

Answer: A

Explanation:

The requirement specifies that management tooling must be resilient at the component level within a single site, meaning each site's management components (e.g., VMware Aria Suite) must withstand individual failures without relying on the other site. Let's evaluate each option in the context of VCF 5.2 and Aria Suite:

Option A: The solution will implement an external load balancer for Aria Operations Cloud Proxies. Aria Operations Cloud Proxies collect data for monitoring and don't inherently require an external load balancer for resiliency within a site. The VMware Aria Operations Administration Guide indicates that proxies are lightweight and typically deployed per cluster, with resiliency achieved via multiple proxies, not load balancing. This doesn't directly address component-level resiliency for the broader Aria Suite management tools.

Option B: The solution will configure the VCF Workload domain in a stretched topology across two locations. A stretched topology extends a workload domain across two sites for site-level resiliency (e.g., disaster recovery), not component-level resiliency within a single site. The VCF 5.2 Architectural Guide notes that stretched clusters rely on cross-site failover, which contradicts the requirement for single-site resilience, making this irrelevant to management tooling within one site.

Option C: The solution will deploy three Aria Automation appliances in a clustered configuration. VMware Aria Automation (formerly vRealize Automation) supports a clustered deployment with three appliances (primary, replica, and failover) to ensure high availability within a site. The VMware Aria Automation Installation Guide confirms that this configuration provides component-level resiliency by allowing the cluster to tolerate individual appliance failures without service disruption. In VCF, Aria Automation is a key management tool, and this design meets the requirement for single-site resilience.

Option D: The solution will deploy Aria Suite Lifecycle Manager in a high availability configuration. Aria Suite Lifecycle Manager

(LCM) manages the lifecycle of Aria components but isn't deployed in a clustered HA configuration itself in VCF 5.2-it's a single appliance with backup/restore options. The VCF 5.2 Administration Guide notes that LCM resiliency is typically achieved via infrastructure HA (e.g., vSphere HA), not native clustering, making this less directly aligned with component-level resiliency compared to Aria Automation clustering.

Conclusion:

Option C best meets the requirement by ensuring Aria Automation, a critical management tool, is resilient at the component level within a single site through clustering, aligning with VCF and Aria Suite best practices.

Reference: VMware Cloud Foundation 5.2 Architectural Guide (docs.vmware.com): Management Component Design.

VMware Aria Automation Installation Guide (docs.vmware.com): Clustered Configuration for HA.

VMware Aria Suite Lifecycle Administration Guide (docs.vmware.com): LCM Deployment Options.

NEW QUESTION # 166

Which best practices improve the security of VMware environments using Broadcom hardware?

- A. Leverage Broadcom's hardware security features
- B. Enable VM monitoring with vRealize Operations
- C. Use VMware NSX Distributed Firewall
- D. Use VMware vSphere Encryption

Answer: A,B,C,D

Explanation:

VMware vSphere Encryption, vRealize Operations, NSX Distributed Firewall, and Broadcom hardware security features all enhance security.

NEW QUESTION # 167

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