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VMware 2V0-13.25 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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 3	<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.
Topic 4	<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 5	<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.

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VMware Cloud Foundation 9.0 Architect Sample Questions (Q86-Q91):

NEW QUESTION # 86

Which Container Network Interface (CNI) is selected by default in a VMware Kubernetes Service (VKS) workload cluster?

- A. Cilium
- B. Flannel
- C. Calico
- **D. Antrea**

Answer: D

Explanation:

According to the VMware Cloud Foundation 9.0.4 Architecture and Design Guide, under the section "VKS Cluster Networking", VMware Kubernetes Service (VKS) supports two Container Network Interface (CNI) options - Antrea and Calico - for pod and service networking. The documentation explicitly states:

"A VKS cluster provisioned by the VKS supports two CNI options: Antrea (default) and Calico." It further explains that Antrea is automatically selected as the default and requires no explicit configuration unless the user specifies Calico in the cluster YAML file. Antrea, developed by VMware, leverages Open vSwitch (OVS) for networking and supports advanced features such as network policy enforcement, encapsulation, and traffic visibility, making it the optimal default CNI for VKS clusters. Calico, using Linux bridge and BGP, remains an alternative for organizations requiring specific network topologies or integrations.

Thus, unless otherwise defined, all new VKS workload clusters in VMware Cloud Foundation are deployed using Antrea as the

default network provider to maintain consistency, integration with NSX networking, and full compatibility with VCF lifecycle management.

References (VMware Cloud Foundation documents):

* VMware Cloud Foundation 9.0.4 Design Guide - "VKS Cluster Networking: Antrea (default) and Calico options."

* VMware Cloud Foundation 9.0.4 - "Set the Default CNI for VKS Clusters" (System-defined default: Antrea).

NEW QUESTION # 87

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

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 # 88

Which Broadcom solutions support the creation of a highly scalable VMware environment?

- A. Broadcom 25GbE Ethernet Adapter
- B. vSphere DRS
- C. vSAN
- D. Broadcom NVMe SSD

Answer: A,C,D

Explanation:

Broadcom 25GbE Ethernet Adapters, vSAN, and NVMe SSDs support scaling in VMware environments by improving network speed, storage capacity, and performance.

NEW QUESTION # 89

Which VMware configuration requires Broadcom 25GbE Ethernet Adapter for network optimization?

- A. vSAN
- B. VMware vMotion
- C. VMware NSX
- D. vSphere HA

Answer: A,B,D

Explanation:

Broadcom 25GbE Ethernet Adapters are essential for network optimization in VMware vMotion, vSphere HA, and vSAN.

NEW QUESTION # 90

As part of a VMware Cloud Foundation (VCF) design, an architect is responsible for planning for the migration of existing workloads using HCX to a new VCF environment.

Which two prerequisites would the architect require to complete the objective? (Choose two.)

- **A. Service accounts for the applicable appliances.**
- B. NSX Federation implemented between the VCF instances.
- C. Extended IP spaces for all moving workloads.
- D. DRS enabled within the VCF instance.
- **E. Active Directory configured as an authentication source.**

Answer: A,E

Explanation:

VMware HCX (Hybrid Cloud Extension) is a key workload migration tool in VMware Cloud Foundation (VCF) 5.2, enabling seamless movement of VMs between on-premises environments and VCF instances (or between VCF instances). To plan an HCX-based migration, the architect must ensure prerequisites are met for deployment, connectivity, and operation. Let's evaluate each option:

Option A: Extended IP spaces for all moving workloads

This is incorrect. HCX supports migrations with or without extending IP spaces. Features like HCX vMotion and Bulk Migration allow VMs to retain their IP addresses (Layer 2 extension via Network Extension), while HCX Mobility Optimized Networking (MON) can adapt IPs if needed. Extended IP space is a design choice, not a prerequisite, making this option unnecessary for completing the objective.

Option B: DRS enabled within the VCF instance

This is incorrect. VMware Distributed Resource Scheduler (DRS) optimizes VM placement and load balancing within a cluster but is not required for HCX migrations. HCX operates independently of DRS, handling VM mobility across environments (e.g., from a source vSphere to a VCF destination). While DRS might enhance resource management post-migration, it's not a prerequisite for HCX functionality.

Option C: Service accounts for the applicable appliances

This is correct. HCX requires service accounts with appropriate permissions to interact with source and destination environments (e.g., vCenter Server, NSX). In VCF 5.2, HCX appliances (e.g., HCX Manager, Interconnect, WAN Optimizer) need credentials to authenticate and perform operations like VM discovery, migration, and network extension. The architect must ensure these accounts are configured with sufficient privileges (e.g., read/write access in vCenter), making this a critical prerequisite.

Option D: NSX Federation implemented between the VCF instances

This is incorrect. NSX Federation is a multi-site networking construct for unified policy management across NSX deployments, but it's not required for HCX migrations. HCX leverages its own Network Extension service to stretch Layer 2 networks between sites, independent of NSX Federation. While NSX is part of VCF, Federation is an advanced feature unrelated to HCX's core migration capabilities.

Option E: Active Directory configured as an authentication source

This is correct. In VCF 5.2, HCX integrates with the VCF identity management framework, which typically uses Active Directory (AD) via vSphere SSO for authentication. Configuring AD as an authentication source ensures that HCX administrators can log in using centralized credentials, aligning with VCF's security model. This is a prerequisite for managing HCX appliances and executing migrations securely.

Conclusion:

The two prerequisites required for HCX migration in VCF 5.2 are service accounts for the applicable appliances (Option C) to enable HCX operations and Active Directory configured as an authentication source (Option E) for secure access management. These align with HCX deployment and integration requirements in the VCF ecosystem.

Reference: VMware Cloud Foundation 5.2 Architecture and Deployment Guide (Section: HCX Integration) VMware HCX User Guide (VCF 5.2 compatible): Prerequisites and Configuration VMware Cloud Foundation 5.2 Planning and Preparation Guide (Section: Identity and Access Management)

NEW QUESTION # 91

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