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2V0-17.25 VMware Cloud Foundation 9.0 Administrator Exam For VCP-VCF Admin Certification

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VMware 2V0-17.25 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> VMware Cloud Foundation Fundamentals: This section of the exam measures the skills of Private Cloud Engineers and covers the basic building blocks of VMware Cloud Foundation. It includes the vision and use cases for private cloud, along with the value it provides to businesses. Candidates are expected to understand compute fundamentals such as deploying and managing vCenter, ESXi, clusters, and virtual machines. Storage fundamentals include configuring vSphere storage, setting up vSAN clusters, applying storage policies, and understanding resilience options. Networking fundamentals are also assessed, with a focus on configuring connectivity, fabrics, routing, and network services in a VMware environment.

Topic 2	<ul style="list-style-type: none"> • Deploy, Configure, and Operate VMware Cloud Foundation (VCF): This section of the exam measures the skills of VCF Administrators and goes in-depth into deploying, configuring, and managing VMware Cloud Foundation. The deployment portion covers identifying deployment models, configuring private cloud environments, and setting up workload domains and networking. The management objectives focus on lifecycle operations such as fleet management, identity and role-based access, licensing, certificate handling, and importing existing vCenters. Operations are assessed through capabilities like monitoring health, logs, networks, and storage, along with creating dashboards, configuring alerts, and ensuring compliance. The automation portion evaluates skills in using VCF Automation for multi-tenancy, provider networking, content libraries, governance policies, and extensibility to automate business processes. It also includes knowledge of deploying Supervisor-based services within Cloud Foundation.
Topic 3	<ul style="list-style-type: none"> • IT Architectures, Technologies, Standards: This section of the exam measures the skills of Cloud Architects and focuses on understanding the broader context of IT architectures, common technologies, and industry standards. While it does not have testable objectives, it sets the foundation for how VMware Cloud Foundation aligns with enterprise cloud strategies.
Topic 4	<ul style="list-style-type: none"> • Plan and Design the VMware by Broadcom Solution: This section of the exam measures the skills of Solution Designers and emphasizes the ability to plan and design VMware by Broadcom solutions. Although no testable objectives are defined here, it reinforces the importance of architectural planning and design considerations for large-scale cloud deployments.

VMware Cloud Foundation 9.0 Administrator Sample Questions (Q22-Q27):

NEW QUESTION # 22

When setting up a new port group on a Virtual Distributed Switch (VDS), what role does configuring a VLAN ID play in network management and traffic isolation?

- A. To enable the automatic assignment of IP addresses to virtual machines in the port group
- B. To configure storage replication settings for virtual machines connected to the port group
- C. To improve the performance of virtual machines by distributing network traffic across multiple uplinks
- **D. To logically segment network traffic by assigning the port group to a specific VLAN, ensuring that traffic is isolated**

Answer: D

Explanation:

Assigning a VLAN ID to a VDS port group ensures that all traffic on that port group is tagged for and confined to the specified VLAN, providing logical segmentation and isolation of network traffic.

NEW QUESTION # 23

Which VMware Cloud Foundation (VCF) Automation component provides a self-service catalog in the VM Apps tenant?

- **A. VCF Service Broker**
- B. VCF Operations Orchestrator
- C. VCF Assembler
- D. VCF Config

Answer: A

Explanation:

In VMware Cloud Foundation (VCF) 9.0, the VCF Service Broker is the component responsible for providing a self-service catalog of available services, blueprints, and content to end users in the VM Apps tenant. The documentation explains: "Service Broker acts as the catalog service for VM-based and cloud-native applications, allowing organizations to expose curated content to end users while applying policies, constraints, and governance." VCF Operations Orchestrator (A) provides workflow automation but does not expose services directly in a self-service catalog. VCF Assembler (B) is used for designing blueprints and application templates but not for publishing them to end users. VCF Config (D) is responsible for infrastructure configuration management and desired state compliance, not catalog services. Thus, the correct component for the catalog is the VCF Service Broker.

NEW QUESTION # 24

A newly deployed ESXi host experiences "Not Responding" status in vCenter intermittently. Which steps can help identify and resolve the root cause?

- A. Reviewing hostd.log on the ESXi host for errors
- B. Checking the management network VLAN configuration
- C. Reinstalling vCenter Server from scratch
- D. Verifying DNS forward and reverse lookups

Answer: A,B,D

Explanation:

Network VLAN mismatches (A), log analysis (B), and DNS (D) issues are common reasons for a host intermittently disconnecting. Reinstalling vCenter (C) is an extreme measure and not the typical first step.

NEW QUESTION # 25

An administrator is responsible for managing a VMware Cloud Foundation (VCF)-based private cloud. The private cloud consists of a single tenant with two projects: Development and Production. The administrator has been tasked with ensuring that, when users deploy new VMware Supervisor- based resources within the private cloud, they meet the following criteria:

- By default, all Kubernetes clusters must tolerate a single control plane node failure.
- Only Kubernetes cluster resources will be deployed within the production project.
- In the development project, resources must be minimized.

Which three actions should the administrator take to meet the objective? (Choose three.)

- A. Create a new IaaS Resource Policy for the organization using the Enforce multi-control-node Kubernetes cluster template.
- B. Create a new IaaS Resource Policy for the organization using the Disallow VM resource template.
- C. Create a new IaaS Resource Policy for the development project using the Enforce single-control- node Kubernetes cluster template.
- D. Create a new IaaS Resource Policy for the production project using the Enforce single-control- node Kubernetes cluster template.
- E. Create a new IaaS Resource Policy for the development project using the Enforce multi-control- node Kubernetes cluster template.
- F. Create a new IaaS Resource Policy for the production project using the Disallow VM resource template.

Answer: C,E,F

Explanation:

For the production project, only Kubernetes resources are allowed, so administrators must disallow VM deployments (A). To tolerate a single control plane node failure, production clusters should use multi-control-plane node templates, ensuring availability (B).

In the development project, resources should be minimized, so a single-control-plane node policy is enforced (D), which reduces overhead.

NEW QUESTION # 26

A VM is encountering continuous reboots due to guest OS crashes.

Which initial action in vSphere helps preserve diagnostic information while minimizing downtime?

- A. Enable VMware Tools logging
- B. Take a snapshot before each reboot
- C. Configure a VM core dump collector
- D. Migrate the VM to another host via vMotion

Answer: C

Explanation:

A VM core dump collector captures critical debug info that can help diagnose OS crashes. Taking frequent snapshots (B) can bloat

