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VMware 2V0-16.25 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> VMware vSphere Foundation Fundamentals: This section of the exam measures the skills of Virtualization Engineers and focuses on the essentials of virtualization technology. It introduces the principles of virtualization, explores use cases, and highlights the value it brings to businesses. Candidates are expected to demonstrate knowledge of VMware compute components such as vCenter and ESX, cluster configuration, and lifecycle management of virtual machines. It also covers secure workload operations, encryption, and managing resources with content libraries. In addition, storage fundamentals are examined through configuring vSphere storage, deploying VMware vSAN clusters, defining storage policies, and ensuring data availability. Networking fundamentals are also introduced, requiring the ability to differentiate between VMware vSphere networking components.
Topic 2	<ul style="list-style-type: none"> Plan and Design the VMware by Broadcom Solution: This section of the exam measures the ability of VMware Solution Architects to plan and design solutions. While there are no specific testable objectives included, the focus is on preparing professionals to design VMware-based solutions that align with organizational goals and best practices.

Topic 3	<ul style="list-style-type: none"> • Troubleshoot and Optimize the VMware Solution: This section of the exam measures the ability of Systems Engineers to troubleshoot and optimize VMware-based environments. While no explicit testable objectives are listed, candidates are expected to apply their problem-solving skills to diagnose, resolve, and enhance VMware solutions for improved reliability and performance.
Topic 4	<ul style="list-style-type: none"> • IT Architectures, Technologies, Standards: This section of the exam measures the understanding of IT Infrastructure Architects and covers foundational concepts of architectures, emerging technologies, and industry standards. Although no testable objectives are listed here, it establishes the baseline knowledge needed to interpret and design VMware-related environments effectively.
Topic 5	<ul style="list-style-type: none"> • Deploy, Configure, and Operate VMware vSphere Foundation (VVF): This section of the exam measures the expertise of Data Center Administrators and emphasizes hands-on skills in deploying and configuring VMware vSphere Foundation environments. Candidates must understand the components of a VVF deployment, configure Supervisors within clusters, and manage identity, access control, licensing, and certificate management. The objectives also extend to lifecycle management within the vSphere Foundation. Furthermore, it explores operational tasks including monitoring and analyzing logs, configuring alerting, managing dashboards, and integrating with VMware Cloud Foundation (VCF) Operations. Candidates will also be tested on cost and pricing configuration, compliance monitoring, and security hardening practices. Finally, automation skills are validated through deploying services with Supervisors, running Kubernetes workloads, using VM services, and integrating VCF Operations Orchestrator to support enterprise automation.

>> 2V0-16.25 Detail Explanation <<

Reliable 2V0-16.25 Training Materials: VMware vSphere Foundation 9.0 Administrator and 2V0-16.25 Study Guide - Real4exams

The VMware Practice Test engine included with 2V0-16.25 exam questions simulates the actual 2V0-16.25 examinations. This is excellent for familiarizing yourself with the VMware vSphere Foundation 9.0 Administrator and learning what to expect on test day. You may also use the VMware 2V0-16.25 online practice test engine to track your progress and examine your answers to determine where you need to improve on the 2V0-16.25 exam.

VMware vSphere Foundation 9.0 Administrator Sample Questions (Q42-Q47):

NEW QUESTION # 42

An administrator is tasked with creating a custom VMware Cloud Foundation (VCF) Operations Web Certificate. What are three requirements to which the certificate must conform to be used with VCF Operations? (Choose three.)

- A. In the certificate file, the server certificate must be last in the order of certificates.
- **B. In the certificate file, all certificates and the private key must be in PEM format.**
- **C. In the certificate file, the server certificate must be first in the order of certificates.**
- D. In the certificate file, all certificates and the private key must be in PFX format.
- **E. The certificate file must include the server certificate, a private key, and all issuing certificates.**
- F. The VCF Operations certificate cannot use the Subject Alternative Name (SAN) extension.

Answer: B,C,E

Explanation:

VCF Operations requires that custom SSL certificates meet these requirements:

* Certificates and private key must be in PEM format. (A)

* The server certificate must be listed first in the file. (D)

* The file must include the server certificate, private key, and full certificate chain (issuing/intermediate/root CA). (E)

Why others are wrong:

* B. Server certificate last# Incorrect, it must be first.

* C. Cannot use SAN extension# Incorrect, SAN is supported and recommended.

* F. PFX format# Not supported for VCF Operations.

References:

VMware Cloud Foundation 9.0.2 -SSL Certificate Requirements for VCF Operations VMware Docs: Replacing vRealize Operations Certificates

NEW QUESTION # 43

An administrator needs to ensure that only specific users can manage the virtual machines (VM) in a specific VMware vCenter folder.

Which three steps are required to accomplish this? (Choose three.)

- A. Assign the new role to the appropriate users/groups.
- B. Create a datastore cluster.
- C. Apply the role to the specific vCenter folder.
- D. Create a new role in vCenter with VM management permissions.
- E. Add the identity source to vCenter.

Answer: A,C,D

Explanation:

To ensure that only specific users can manage VMs in a specific VMware vCenter folder, the following three steps are required:

* Create a new role in vCenter with VM management permissions(Answer B):You must define a custom role tailored to managing VMs, which includes permissions such as powering on/off VMs, editing VM settings, and accessing consoles. This role must include the appropriate privileges under the

"Virtual machine" category in vCenter permissions.

* Apply the role to the specific vCenter folder(Answer C):The custom role needs to be applied directly to the target vCenter folder. This enables scope-based access control, where permissions are applied only to VMs within that folder.

* Assign the new role to the appropriate users/groups(Answer A):After creating the role and applying it to the folder, the role must be associated with the correct users or groups. This step uses the vCenter Server's identity source integration to assign roles.

Why the other options are incorrect:

* D. Add the identity source to vCenter:This is a prerequisite step for any role assignment but is not directly required in this specific scenario if the identity source is already configured.

* E. Create a datastore cluster:This is unrelated to managing VM access. Datastore clusters pertain to storage management and are not involved in user permissions or role assignments.

References:

VMware vSphere 9.0 Documentation # Role-based Access Control

VMware Docs: vSphere Permissions and User Management

VMware vSphere 9.0 PDF, section on vCenter Server Permissions Management.

NEW QUESTION # 44

An administrator is following the concept of least privilege and must configure permissions in a vSphere environment granting members of the group corp\VM-Managers the following abilities:

* Power on/off virtual machines

* Open consoles

* Create snapshots

Which out-of-the-box role satisfies these access control requirements?

- A. Virtual Machine User
- B. Administrator
- C. Virtual Machine Power User
- D. Virtual Machine Console User

Answer: C

Explanation:

The requirement is to follow least privilege while granting specific VM operations:

* Power on/off virtual machines

* Open consoles

* Create snapshots

The Virtual Machine Power User role is the correct out-of-the-box role, as it includes all these privileges without granting unnecessary

administrative access.

Other roles:

- * Administrator (A): Grants full environment control # too broad.
- * Virtual Machine Console User (B): Limited to console access, cannot power on/off or snapshot.
- * Virtual Machine User (C): Can interact with VMs but lacks snapshot privileges.

References:

VMware vSphere 9.0 Documentation -Default Roles and Permissions

VMware KB 1033138 -Privileges for VM Roles

NEW QUESTION # 45

An administrator has successfully deployed the VMware Cloud Foundation (VCF) Installer appliance to begin a new VMware vSphere Foundation (VVF) deployment. The VMware ESX hosts are powered on and meet all hardware and connectivity prerequisites.

What is the next step to begin deploying vSphere Foundation?

- A. Manually deploy the vCenter Server Appliance.
- B. Enable SSH on all ESX hosts.
- C. Install SDDC Manager using the VCF Installer.
- **D. Launch the VCF Installer deployment wizard.**

Answer: D

Explanation:

After successfully deploying the VCF Installer appliance, and ensuring ESXi hosts are powered on and meet prerequisites, the next steps to:

* Launch the VCF Installer deployment wizard, which guides administrators through host onboarding, vCenter deployment, and cluster setup for vSphere Foundation.

Other options:

- * A. Enable SSH on all ESX hosts# Not required unless troubleshooting.
- * C. Install SDDC Manager using VCF Installer# Only applies to full Cloud Foundation, not vSphere Foundation deployment.
- * D. Manually deploy vCenter Server Appliance# The Installer wizard automates this.

References:

VMware Cloud Foundation 9.0 -Using VCF Installer for vSphere Foundation VMware Docs: VCF Installer Deployment Workflow

NEW QUESTION # 46

An administrator needs to enable the enhanced capabilities of Storage Operations for vSAN 9.0 in VMware Cloud Foundation (VCF) Operations.

What three prerequisite steps must be completed in order to enable the advanced Diagnostic Troubleshooting, Benchmarking and Optimizing?

(Choose three.)

- **A. Configure a vSAN account for the vCenter Integration Instance.**
- B. Open port 5989 on each VCF Operations node on which the vSAN adapter exists.
- **C. Enable and start the vSAN Performance service in the target vCenter.**
- D. Assign the VCF Operations Service Account administrative rights to vSAN Objects.
- E. No configuration required, Run New Diagnostics is enabled automatically.
- **F. Assign the credentials configured in the vCenter Integration instance have access to vSAN objects.**

Answer: A,C,F

Explanation:

To enable enhanced capabilities of Storage Operations for vSAN 9.0 in VCF Operations (Diagnostic Troubleshooting, Benchmarking, and Optimizing), administrators must complete several prerequisites that ensure vSAN health, performance, and permissions are properly set up.

- * Enable and start the vSAN Performance service in the target vCenter (B):
- * The vSAN Performance Service must be enabled for cluster-level monitoring.
- * This provides the telemetry data needed for diagnostic and benchmarking capabilities in VCF Operations.
- * Without enabling this service, no performance metrics can be collected.

