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## Top Features of VMware 2V0-16.25 Practice Test Material

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## VMware 2V0-16.25 Exam Syllabus Topics:

Topic	Details

Topic 1	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 2	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>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.</li> </ul>

## VMware vSphere Foundation 9.0 Administrator Sample Questions (Q17-Q22):

### NEW QUESTION # 17

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

**Answer: C,D,E**

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 # 18

A virtual machine (VM) owner has requested to move a VM from one cluster to another. The following information has been provided:

\* The VM cannot have downtime during the transfer.

\* The same network is present on both clusters.

\* The datastore that the VM is currently on is not present in the destination cluster.

What step should the administrator perform to move the VM?

- A. Inform the owner the VM cannot be moved to the new cluster.
- B. Perform a vMotion of the VM to the new cluster.
- **C. Perform a vMotion with Storage vMotion to the new cluster.**
- D. Backup the VM and restore it to the new cluster.

**Answer: C**

Explanation:

To move a VM to another cluster:

\* Requirement: Zero downtime# Requires vMotion.

\* Challenge: Datastore not shared# Requires Storage vMotion.

\* The combined operation, Cross-Cluster vMotion with Storage vMotion, allows moving compute and storage at the same time, with no downtime.

Other options:

\* A. vMotion only# Requires shared datastore, not available here.

\* B. Backup/restore# Causes downtime, not acceptable.

\* D. Cannot be moved# Incorrect; vMotion + Storage vMotion supports this.

References:

VMware vSphere 9.0 - Cross-Cluster vMotion Requirements

VMware Docs: vMotion and Storage vMotion

### NEW QUESTION # 19

Which VMware Cloud Foundation (VCF) Operations for Logs capability facilitates root cause analysis and troubleshooting?

- A. Log Forwarding
- B. Dashboarding
- C. Alerting
- **D. Log Querying**

**Answer: D**

Explanation:

The VCF Operations for Logs capability most useful for root cause analysis and troubleshooting is Log Querying.

\* Allows searching, filtering, and correlating log events to diagnose issues.

\* Log Forwarding (A)# Sends logs elsewhere, not analysis.

\* Alerting (B)# Notifies about issues but does not provide investigation details.

\* Dashboarding (C)# Provides visualization, but root cause analysis requires queries.

References:

VMware Cloud Foundation 9.0 - VCF Operations for Logs Capabilities

VMware Docs: Using Log Insight for Root Cause Analysis

### NEW QUESTION # 20

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

**Answer: B,D,F**

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 # 21

An administrator is tasked with upgrading to VMware vSphere Foundation (VVF) on an existing VMware vCenter 8.0u3. The environment has integrated NSX 4.2, 12 clusters, all using Fibre Channel connected VMFS block shared storage, and is not part of an existing VMware Cloud Foundation.

Which install method is used to perform the upgrade?

- A. Deploy
- B. Not possible, must perform a fresh deployment
- **C. Converge**
- D. Upgrade

**Answer: C**

Explanation:

When upgrading to vSphere Foundation (VVF) on an existing vCenter Server 8.0u3 environment with NSX, the correct method is Converge:

\* Converge takes an existing vSphere + NSX environment and brings it into the vSphere Foundation framework, without redeploying from scratch.

\* Deploy is used for new greenfield installations.

\* Upgrade applies to upgrading from an earlier version of vSphere Foundation, not from standalone vSphere.

\* Not possible (A) is incorrect - VMware supports Converge in this scenario.

References:

VMware Cloud Foundation 9.0 - Converge Deployment Path

VMware Docs: Converge Workflow for vSphere Foundation

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