

Certified 2V0-16.25 Questions | 2V0-16.25 Exam Flashcards



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VMware 2V0-16.25 Exam Syllabus Topics:

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

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VMware vSphere Foundation 9.0 Administrator Sample Questions (Q39-Q44):

NEW QUESTION # 39

Which component must be added after an initial deployment of VMware vSphere Foundation (VVF) to provide a central location for logs collection?

- A. Fleet Manager
- B. VCF Operations for Networks
- C. VCF Operations
- D. VCF Operations for Logs

Answer: D

Explanation:

After deploying vSphere Foundation, to centralize log collection and analysis, you must add:

* VCF Operations for Logs, which provides log ingestion, alerting, and centralized troubleshooting.

Other options:

* B. VCF Operations# Focuses on performance/capacity, not log collection.

* C. VCF Operations for Networks# Focuses on networking insights.

* D. Fleet Manager# Used for multi-instance management, not logging.

References:

VMware Cloud Foundation 9.0 -Extending VCF with Logs

VMware Docs: vRealize Log Insight Deployment

NEW QUESTION # 40

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

Answer: A,B,D

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.

* Configure a vSAN account for the vCenter Integration Instance (C):

* A dedicated vSAN service account must be configured so that VCF Operations can communicate with vCenter for vSAN data collection.

* This ensures secure and role-specific access for monitoring operations.

* Assign the credentials configured in the vCenter Integration instance to have access to vSAN objects (E):

* The credentials used in the vCenter integration must have the required privileges to access vSAN objects (such as datastore,

cluster objects, and health checks).

* This ensures that VCF Operations can run diagnostics, benchmarking, and optimization functions without permission errors.

Why the other options are incorrect:

* A. No configuration required, Run New Diagnostics is enabled automatically:#Incorrect.

Configuration is required before these advanced features can be enabled.

* D. Assign the VCF Operations Service Account administrative rights to vSAN Objects:#Too broad and not a best practice.

Instead, specific rights via the vCenter integration account (option E) are recommended.

* F. Open port 5989 on each VCF Operations node on which the vSAN adapter exists:#Not required for enabling vSAN advanced diagnostics in VCF 9.0. vSAN operations rely on vCenter connectivity, not direct port 5989.

References:

VMware Cloud Foundation 9.0 Documentation -vSAN and VCF Operations Integration VMware vSphere 9.0 -vSAN

Performance Service Requirements VMware Docs: vSAN Performance Service Configuration

NEW QUESTION # 41

An administrator has licensed vSphere components in Connected mode and then switched to Disconnected mode to meet the company security restrictions, which cannot be violated.

What must the administrator do to ensure the VMware vSphere Foundation license remains valid?

- **A. Manually exchange a registration and license file between the VCF Operations instance and the VCF Business Services console at least once every 180 days.**
- B. Provide an internet connection to VCF Operations, then download a new license file from the VCF Business Services console at least once every 180 days.
- C. Switch to Connected mode, validate that VCF Operations has downloaded a new license file from VCF Business Services console, and then switch to Disconnected mode at least once every 365 days.
- D. Nothing. The license is perpetual.

Answer: A

Explanation:

For Disconnected mode licensing in vSphere Foundation:

* Administrators must manually export a registration file, upload it to the VCF Business Services console, and then import the license file back into VCF Operations.

* This process must be repeated every 180 days to maintain license validity.

Other options:

* A. Switch to Connected mode once every 365 days# Incorrect; 180-day requirement.

* C. License is perpetual# Not correct; subscription-based license requires refresh.

* D. Provide internet connection every 180 days# Violates security restriction (Disconnected mode is required).

References:

VMware Cloud Foundation 9.0 -Connected and Disconnected Licensing Modes VMware Docs: [vSphere Foundation Licensing with VCF Business Services]

NEW QUESTION # 42

In VMware Cloud Foundation (VCF) Operations, which node type is responsible for providing fault tolerance for administrative functions within the VCF Operations cluster?

- A. Primary Node
- B. Witness Node
- **C. Replica Node**
- D. Data Node

Answer: C

Explanation:

In VCF Operations (vRealize Operations) cluster architecture:

* The Primary Node handles administration and management.

* The Replica Node provides fault tolerance for the Primary Node, ensuring that administrative functions remain available in case of failure.

* Data Nodes handle data collection and analytics.

* Witness Node# Not a role in VCF Operations; relevant to vSAN clusters.

Thus, the node type providing fault tolerance for administrative functions is the Replica Node.

References:

VMware Cloud Foundation 9.0 - Operations Cluster Roles

VMware Docs: vROps Node Types

NEW QUESTION # 43

What are two roles of VMware Tools within a virtual machine (VM)? (Choose two.)

- A. Stores the virtual machine configuration files.
- **B. Provides Guest OS heartbeat service.**
- C. Provides journaling of file system metadata changes for fast recovery.
- D. Manages the virtual machine hardware configuration.
- **E. Provides device drivers for the VM.**

Answer: B,E

Explanation:

VMware Tools is a suite of services and drivers installed in a VM. It provides:

* Guest OS heartbeat service (B): Used by vCenter to monitor VM health.

* Device drivers (C): Optimized drivers for network, storage, graphics, and mouse/keyboard integration.

Other options:

* A. Journaling of file system metadata# Provided by the guest OS filesystem, not VMware Tools.

* D. Stores VM configuration files# Handled by vCenter/ESXi, not VMware Tools.

* E. Manages VM hardware configuration# Done via vSphere Client, not VMware Tools.

References:

VMware vSphere 9.0 - VMware Tools Overview

VMware Docs: Functions of VMware Tools

NEW QUESTION # 44

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