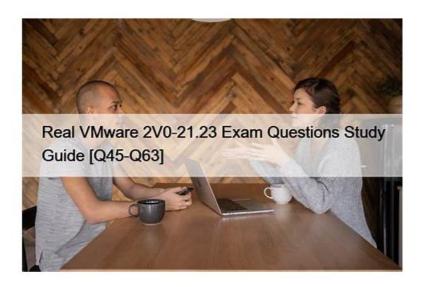
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## New 2V0-16.25 Test Objectives - Exam 2V0-16.25 Course

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### VMware 2V0-16.25 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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.

Topic 2	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	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 4	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 5	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.

# VMware vSphere Foundation 9.0 Administrator Sample Questions (Q53-Q58):

#### **NEW OUESTION #53**

An administrator has enabled a Supervisor on a vSphere cluster. The DevOps team has requested access to vSphere resources such as virtual machines, storage, and networking using Kubernetes tooling. To meet this request, the administrator must provide secure, policy-based access that sets clear boundaries for compute and storage consumption.

Which function is provided by Supervisor services to support this use case?

- A. Allow access to vSphere resources through Kubernetes in a configured Supervisor Namespace.
- B. Grant DevOps users administrator access to the vCenter Server system namespace.
- C. Enable virtual machine backup using native Kubernetes ConfigMaps.
- D. Enable vSphere Replication between Supervisor Namespaces.

#### Answer: A

#### Explanation:

WhenSupervisor is enabled:

- \* It provides Supervisor Namespaces, which grant DevOps teamssecure, policy-based access to vSphere resources (VMs, storage, networking) through Kubernetes tooling.
- \* This enforces boundaries and quotas for compute/storage consumption.

#### Other options:

- \* B. VM backup via ConfigMaps# Not a feature of Supervisor.
- \* C. vSphere Replication between namespaces# Not a Supervisor function.
- \* D. Granting administrator access to vCenter system namespace# Violates least-privilege security.

#### References:

VMware vSphere 9.0 - Supervisor Namespaces and Kubernetes Integration

VMware Docs: Using vSphere with Tanzu

#### **NEW QUESTION #54**

An organization requires a centralized platform to monitor the performance, health, and capacity of their entire VMware vSphere

Foundation (VVF) environment.

Which two components would provide this capability? (Choose two.)

- A. VCF Operations for Logs
- B. VCF Operations for Networks
- C. vSphere Supervisor
- D. VCF Operations

#### Answer: B,D

#### Explanation:

The requirement is for acentralized platform to monitorperformance, health, and capacityacross theen tire VM ware vSphere Foundation (VVF) environment.

- \* VCF Operations
- \* Providesend-to-end performance monitoring, capacity management, and health analytics across vCenter, ESXi, vSAN, and NSX.
- \* Includes Fin Ops and Capacity Planning, performance diagnostics, and AI-driven troubleshooting for faster remediation.
- \* This is the primary component for monitoring theentire VCF environment.
- \* VCF Operations for Networks
- \* Extends observability tonetwork operations by monitoring NSX health, VPCs, and network flows.
- \* Providestraffic summaries, alerts, and network capacity metrics.
- \* Integrated with VCF Operations to ensure acomplete platform-wide viewof health and performance.
- \* Why not the others?
- \* VCF Operations for Logs# Focused onlog management, troubleshooting, and diagnostics(not holistic performance/capacity monitoring).
- \* vSphere Supervisor# ProvidesKubernetes namespace and workload management, not centralized performance/capacity monitoring.

References:

VMware Cloud Foundation 9.0.1 - Performance Monitoring and Capacity in VCF Operations VMware Cloud Foundation 9.0.1 - VCF Health and Diagnostics in Operations VMware Cloud Foundation 9.0.1 - Network Operations with VCF Operations for Networks VMware Cloud Foundation 9.0.3 - Integration of Network Alerts into VCF Operations

#### **NEW QUESTION #55**

An administrator is tasked to create a new VMware vSAN cluster. The following information was provided to the administrator:

- \* Should host high performance application.
- \* Workload is latency dependent.
- \* Workload, compute and storage must be in the vSAN cluster.

Which configuration should the administrator choose for this vSAN cluster?

- A. vSAN Original Storage Architecture (OSA) Stretched Cluster
- B. vSAN Storage Cluster
- C. vSAN Original Storage Architecture (OSA)
- D. vSAN Express Storage Architecture (ESA)

#### Answer: D

#### Explanation:

The workload requirements specify:

- \* High-performance application
- \* Latency-dependent workloads
- \* Compute and storage must reside in the vSAN cluster

The correct option isvSAN Express Storage Architecture (ESA)because:

- \* ESA is designed forhigh-performance, low-latency applications.
- \* It leverages NVMe-based storage devices and 25GbE networking, delivering better IOPS and reduced latency compared to OSA.
- \* OSA(Original Storage Architecture) is older and less efficient.
- \* OSA Stretched Cluster(A) is for resilience across sites, not specifically performance.
- \* vSAN Storage Cluster (B) is a generic term and not specific.

#### References:

VMware vSAN 9.0 -ESA vs OSA Architecture

VMware Docs: vSAN Express Storage Architecture

#### **NEW QUESTION #56**

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 Console User
- D. Virtual Machine Power User

#### Answer: D

#### Explanation:

The requirement is to followleast privilegewhile granting specific VM operations:

- \* Power on/off virtual machines
- \* Open consoles
- \* Create snapshots

The Virtual Machine Power Userrole 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 #57**

An administrator is tasked to configure shared storage for a VMware vSphere Foundation (VVF) cluster at a remote location. The following is available at the remote location:

- \* Two ESX servers.
- \* Two 1GbE network cards per ESX.
- \* One sixteen port 1GbE Switch.
- \* One NVMe per ESX for the Operating System.
- \* One storage system supporting network and fiber channel capabilities.

What storage protocol must the administrator use at the remote location?

- A. Local Storage
- B. NFS
- C. Fiber Channel
- D. vSAN

#### Answer: B

#### Explanation:

The scenario:

- \* Remote sitewith 2 ESXi servers, 1GbE networking only.
- \* Storage system supports both network (NAS/iSCSI/NFS) and Fiber Channel.
- \* Fiber Channel is not feasible (no FC switches/HBAs).
- \* vSAN requires more than 2 nodes (minimum 3 for standard vSAN, 2+Witness for 2-node), not mentioned here.

The most suitable solution:

- \* UseNFS storage over 1GbE. (D)
- \* Provides shared storage accessible to both ESXi hosts.

#### Other options:

- \* A. vSAN# Needs 3+ nodes or a witness, not supported in this config.
- \* B. Local storage# Not shared, fails HA/DRS requirements.

\* C. Fiber Channe# Requires HBAs and FC switch, not available. References:

VMware vSphere 9.0 - Supported Storage Protocols

VMware Docs: Using NFS with ESXi Hosts

#### **NEW QUESTION #58**

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