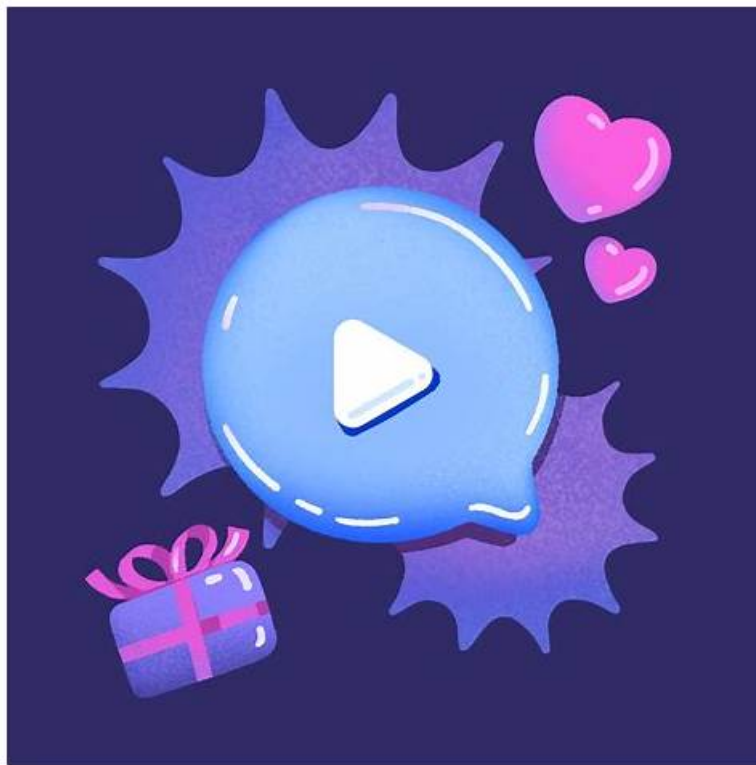


# 2V0-16.25 Exam Preview | 2V0-16.25 Online Exam



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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>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>

Topic 3	<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 4	<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 5	<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>

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### VMware vSphere Foundation 9.0 Administrator Sample Questions (Q13-Q18):

#### NEW QUESTION # 13

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 a centralized platform to monitor performance, health, and capacity across the entire VMware vSphere Foundation (VVF) environment.

- \* VCF Operations
- \* Provides end-to-end performance monitoring, capacity management, and health analytics across vCenter, ESXi, vSAN, and NSX.
- \* Includes FinOps and Capacity Planning, performance diagnostics, and AI-driven troubleshooting for faster remediation.
- \* This is the primary component for monitoring the entire VCF environment.
- \* VCF Operations for Networks
- \* Extends observability to network operations by monitoring NSX health, VPCs, and network flows.
- \* Provides traffic summaries, alerts, and network capacity metrics.
- \* Integrated with VCF Operations to ensure a complete platform-wide view of health and performance.
- \* Why not the others?
- \* VCF Operations for Logs# Focused on log management, troubleshooting, and diagnostics (not holistic performance/capacity monitoring).
- \* vSphere Supervisor# Provides Kubernetes 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 # 14

What is the primary purpose of using VMware vSphere Foundation (VVF) Lifecycle Manager for ESX hosts?

- A. To monitor the performance of ESX hosts
- B. To create and manage virtual machines
- **C. To update and maintain the ESX host lifecycle**
- D. To configure network settings for ESX hosts

**Answer: C**

Explanation:

The primary purpose of vSphere Lifecycle Manager (vLCM) is to:

- \* Update, patch, and upgrade ESXi hosts, firmware, and drivers.
- \* Manage host consistency across clusters with image-based lifecycle management.

Other options are unrelated:

- \* A. Configure network settings# Done through vCenter or host client, not vLCM.
- \* B. Monitor performance# Done in vCenter/VCF Operations, not vLCM.
- \* C. Create/manage VMs# Managed through vCenter, not vLCM.

References:

VMware vSphere Lifecycle Manager Guide - Purpose and Functionality  
 VMware Docs: Managing ESXi Host Lifecycle

#### NEW QUESTION # 15

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 Original Storage Architecture (OSA)
- **C. vSAN Express Storage Architecture (ESA)**
- D. vSAN Storage Cluster

**Answer: C**

Explanation:

The workload requirements specify:

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

The correct option is vSAN Express Storage Architecture (ESA) because:

- \* ESA is designed for high-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 # 16

The security team requests the ability to log into VMware vCenter and review datacenter, cluster and network configurations. The following details are provided:

- \* The security team is not authorized to make any changes to the environment.
- \* Each user must login with unique credentials.

What steps should the administrator perform to grant access to the security team?

- A. Create a security user, assign the user the Read-Only role, share the credentials with the security team.
- B. Share the password for 'administrator@vsphere.local' with the security team.
- C. Create a group for the security team, add the users to the group, and assign the group the Network Administrator role.
- **D. Create a group for the security team, add the users to the group, and assign the group the Read-Only role.**

**Answer: D**

Explanation:

The security team requires visibility into vCenter configurations but must not make changes.

\* Best practice is to create an Active Directory or vCenter group, add the security users, and assign them the Read-Only role at the datacenter/cluster/network level.

\* This ensures each user logs in with unique credentials, maintaining accountability.

Why others are incorrect:

- \* A. Share administrator@vsphere.local password# Violates security best practices.
- \* B. Create a single user and share credentials# Still insecure, lacks unique audit trails.
- \* C. Assign Network Administrator role# Grants configuration permissions, not allowed.

References:

VMware vSphere 9.0 Documentation - Roles and Permissions Best Practices

VMware Docs: vCenter Server Role-Based Access Control

### NEW QUESTION # 17

An administrator is tasked to configure VMware Cloud Foundation (VCF) Operations alerts to notify only relevant stakeholders when alerts trigger.

Which configuration step will satisfy the requirement?

- A. Configure notification to write a file to an output folder.
- B. Configure notification to use generic contact information.
- **C. Configure notification to specific alert recipients.**
- D. Configure notification for only critical alerts.

**Answer: C**

Explanation:

In VCF Operations, alerts can be configured with notification settings. To ensure only relevant stakeholders receive alerts:

\* You assign specific recipients to notifications.

\* This avoids alert fatigue and ensures teams only see alerts they are responsible for.

Other options:

- \* A. Write to file# Not for stakeholder notifications.
- \* B. Only critical alerts# Reduces volume, but still not targeted to relevant recipients.
- \* D. Generic contact info# Sends to broad groups, not selective.

References:

VMware Cloud Foundation 9.0 - Alerting and Notification Settings

