

# Why Do People Need to Achieve the VMware 2V0-16.25 Certification?



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## VMware 2V0-16.25 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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 3	<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 4	<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 5	<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>
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### VMware vSphere Foundation 9.0 Administrator Sample Questions (Q30-Q35):

#### NEW QUESTION # 30

An administrator is tasked to install a new VMware ESX host to an existing cluster. When the installation is completed, the host is not able to be reached from the vCenter.

When testing the host's management network, the default gateway, primary DNS, and secondary DNS are all unreachable, and the host name cannot be resolved. The VLAN for the management network is set correctly and the adapters are all connected. What is the first step in troubleshooting this connectivity issue?

- A. Verify the correct TCP/IP information is configured.
- B. Reinstall ESX on the host.
- C. Disconnect and reconnect the physical network cable.
- D. Verify the DVS configuration in vCenter.

**Answer: A**

Explanation:

When a newly installed ESX host cannot be reached and all basic network tests (gateway, DNS, hostname resolution) fail:

- \* The first troubleshooting step is to confirm that the management network TCP/IP configuration (IP address, subnet mask, default gateway, DNS servers) is correct.
- \* If this is misconfigured, the host will not communicate with vCenter or resolve names.
- \* Verify DVS configuration in vCenter# Requires host connectivity first.
- \* Reinstall ESX# Too drastic without confirming networking basics.
- \* Disconnect/reconnect cable# Less likely since VLANs/adapters are reported as connected.

References:

VMware vSphere 9.0 Documentation - Troubleshooting ESXi Network Connectivity VMware KB: ESXi Management Network Troubleshooting

#### NEW QUESTION # 31

Which of the following statements describes hardware abstraction in VMware server virtualization?

- A. Isolating memory access from the operating system and applications running in a virtual machine.
- B. Allowing virtual machines (VMs) to use hardware resources without being tied to specific physical devices.
- C. Encrypting all data processed by a virtual machine on the operating system level.
- D. Allowing virtual machines to be live migrated between physical servers with Intel and AMD processors.

## Answer: B

Explanation:

Hardware abstraction in VMware virtualization:

\* The hypervisor abstracts physical resources (CPU, memory, storage, networking) and presents them to VMs as standardized virtual hardware.

\* This allows VMs to run independently of underlying physical devices, enabling features like vMotion and hardware independence.

Other options:

\* A. Encrypting data# Security feature, not abstraction.

\* B. Isolating memory access# Memory protection, not full abstraction.

\* C. Live migration between Intel and AMD# Possible with compatibility modes, but not a direct definition of abstraction.

References:

VMware vSphere 9.0 - Virtualization Fundamentals: Hardware Abstraction

VMware Docs: How VMware Virtualization Works

## NEW QUESTION # 32

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 log in with unique credentials.

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

- A. Create a group for the security team, add the users to the group, and assign the group the Network Administrator role.
- 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 Read-Only role.**
- D. Create a security user, assign the user the Read-Only role, share the credentials with the security team.

## Answer: C

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 # 33

How does an administrator configure VMware Cloud Foundation (VCF) Operations for logs to send Notifications and Metrics to VCF Operations?

- A. Launch the wizard from VCF Operations for Logs.
- B. Launch the wizard from VCF Operations.
- C. Configure the Integration through VCF Operations for Logs.
- D. **Configure the Integrations through VCF Operations.**

## Answer: D

Explanation:

To configure VMware Cloud Foundation (VCF) Operations for logs so that it can send notifications and metrics, administrators must use the Integrations workflow inside VCF Operations.

\* You configure integrations centrally from the Administration > Integrations page in VCF Operations.

\* Here you add the VCF Operations for Logs data source, configure credentials, and set up Webhooks for alerts.

\* Once integration is completed, VCF Operations for Logs data can be consumed in VCF Operations dashboards and used for

notifications and metrics.

This process is not launched directly from "VCF Operations for Logs," but rather from VCF Operations itself, where all integrations (vCenter, vSAN, NSX, and Logs) are centrally managed.

References:

VMware Cloud Foundation 9.0.2 -Integrating Data Sources with VCF Operations VMware Cloud Foundation 9.0.3 -Configure VCF Operations for logs integration

#### NEW QUESTION # 34

Which scenario demonstrates the benefit of server consolidation using VMware server virtualization?

- A. Performing load balancing between web servers.
- B. **Running multiple independent machines on a single physical host.**
- C. Providing protection against ransomware attacks.
- D. Automating the deployment of application clusters.

**Answer: B**

Explanation:

The core benefit of server consolidation using VMware server virtualization is the ability to run multiple independent virtual machines (VMs) on a single physical host.

\* This increases hardware utilization, reduces physical server sprawl, and cuts operational costs.

\* A. Load balancing# Achieved through features like DRS, not basic server consolidation.

\* C. Ransomware protection# Achieved through security features and backups, not consolidation.

\* D. Automating application clusters# A benefit of orchestration tools, not consolidation.

References:

VMware vSphere 9.0 -Server Consolidation Benefits

VMware Docs: VMware Virtualization Fundamentals

#### NEW QUESTION # 35

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