

# 2V0-15.25 Test Simulator Online Exam Pass Once Try | VMware 2V0-15.25: VMware Cloud Foundation 9.0 Support



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## VMware Cloud Foundation 9.0 Support Sample Questions (Q39-Q44):

NEW QUESTION # 39

An administrator is preparing to import a vSphere environment into VMware Cloud Foundation (VCF) as a workload domain. The vSphere environment has the following configuration:

- vSphere version 8.0 update 3.
- Three-node vSAN cluster with a single OSA datastore.
- Two vSphere Distributed Switches (VDS).
- Three vmkernel adapters with DHCP assigned IP addresses.

What change must the administrator make before importing this environment?

- A. Consolidate to a single vSphere Distributed Switch.
- B. Upgrade vCenter and ESXi to vSphere 9.0.
- C. Convert the vSAN datastore from OSA to ESA.
- **D. Update the vmkernel adapters with statically assigned IPs.**

**Answer: D**

Explanation:

When importing an existing vSphere environment into VMware Cloud Foundation (VCF) as a workload domain, several strict prerequisites must be met. One of the key requirements documented in VCF 9.0 is that all VMkernel adapters (vmk ports) used for vSAN, vMotion, management, or other system traffic must have statically assigned IP addresses. DHCP-assigned VMkernel IPs are not supported for VCF workload domain bring-up or import operations.

In the provided scenario, the environment includes:

- \* vSphere 8.0 U3
- \* A 3-node vSAN OSA cluster
- \* Two VDS switches
- \* VMkernel adapters using DHCP

Before VCF can successfully validate and import the environment, the administrator must convert these VMkernel interfaces to static IP addressing. VCF uses IPAM assumptions and deterministic host networking configurations; DHCP introduces variability incompatible with automated lifecycle operations.

Option A (consolidating VDS) is unnecessary- VCF supports multiple VDS configurations during import.

Option B (upgrading to vSphere 9.0) is not required for import.

Option D (convert OSA to ESA) is impossible pre-import and not required- VCF supports OSA clusters.

#### NEW QUESTION # 40

An administrator is responsible for managing a VMware Cloud Foundation (VCF) fleet. The administrator discovers intermittent performance issues with the supplemental storage (iSCSI) connected to VCF workload domain. The administrator discovers that the (iSCSI) target is reachable from most VMware ESX hosts, but some hosts consistently experience periods of slow I/O and connection drops.

Which two actions should the administrator take to diagnose and resolve this issue? (Choose two.)

- A. Review the iSCSI target's configuration to ensure it's configured for maximum performance, including enabling CHAP authentication.
- B. Ensure all ESX hosts have the VMkernel port MTU set to 1500.
- C. Update the network plugin on the ESX host to the latest version.
- **D. Ensure all ESX hosts have the VMkernel port MTU set to 9000.**
- **E. Examine the iSCSI VMkernel port on all affected ESX hosts for TCP retransmissions and checksum offload errors.**

**Answer: D,E**

Explanation:

To diagnose and resolve the intermittent performance and connection drop issues with the supplemental iSCSI storage, the administrator should focus on network layer consistency and health, particularly regarding packet size (MTU) and delivery (TCP).

\* Examine the iSCSI VMkernel port for TCP retransmissions (Action B - Diagnose): "Intermittent" connection drops and slow I/O are classic symptoms of packet loss or fragmentation issues. By examining the ESXi network stats (e.g., using esxtop key n or viewing vSphere performance charts) for TCP retransmissions, the administrator can confirm if packets are being dropped or lost in transit.

Checksum offload errors can also indicate issues where the NIC hardware is incorrectly validating packets, causing the OS to drop them. This step identifies the root cause (packet loss/corruption).

\* Ensure all ESX hosts have the VMkernel port MTU set to 9000 (Action E - Resolve): For high-performance storage traffic like iSCSI in a VMware Cloud Foundation environment, it is best practice to use Jumbo Frames (MTU 9000) end-to-end (Host -> Switch -> Storage Array).

\* The symptom that some hosts are affected suggests configuration drift where those specific hosts might be set to a different MTU (e.g., 1500) or are mismatched with the physical network/target (which is likely set to 9000 for performance).

\* An MTU mismatch (e.g., Target sending 9000-byte frames to a Host/Switch expecting 1500) typically results in the "Do Not Fragment" (DF) bit causing packet drops, leading to the reported connection drops and retransmission delays. Ensuring a consistent MTU of 9000 across the fleet resolves this and aligns with VCF performance standards.

Note: Option A (CHAP) is for authentication security, not performance. Option C (Update network plugin) is a lifecycle task but less likely to be the immediate fix for "some hosts" having intermittent drops compared to the common issue of MTU mismatch.

Option D (MTU 1500) would resolve drops if the physical network doesn't support Jumbo Frames, but would degrade performance, making E the preferred resolution for a "performance" storage tier.

#### NEW QUESTION # 41

An administrator is troubleshooting a problem with NSX.

Which command can be used to validate installed NSX VIBs on the ESX host?

- A. `esxcfg software list`
- B. `esxcli software vib list`
- C. `esxtop -b -d 2 -n 100`
- D. `nsxcli get version`

**Answer: B**

Explanation:

When troubleshooting NSX on an ESXi host, VMware requires verification that NSX VIBs (vSphere Installation Bundles) are installed and in the correct state. VIBs are responsible for NSX datapath, control- plane modules, and kernel extensions on ESXi. The authoritative and documented method to list VIBs on an ESXi host is the command:

```
esxcli software vib list
```

This command displays all installed kernel modules, version numbers, NSX packages, and their installation status. For NSX-T (now part of VCF networking), administrators expect to see VIBs such as `asnsx-agg-service`, `nsx-bridge`, `nsx-esx-datapath`, and others. If any required NSX VIBs are missing or inconsistent, the ESXi host will fail to join NSX transport nodes or will show "Not Ready."

Option A (`esxtop`) is for performance monitoring and does not show VIB information.

Option C (`nsxcli get version`) checks NSX version on Edge Nodes or host transport nodes but does not list VIBs.

Option D (`esxcfg software list`) is an outdated and invalid command.

#### NEW QUESTION # 42

An administrator logs into the vSphere client to check the health of a cluster. An alert appears on the cluster stating, "vSphere HA host status".

The administrator toggles vSphere HA off and on and the following error appears on the host "A general system error occurred: Failed to start fdm service on host".

What is the cause of this issue?

- A. The `vmware-fdm` service is disabled on the ESX host.
- B. vSphere HA startup policy is not configured correctly.
- C. `The vmware-fdm vib is missing from the ESX host.`
- D. vSphere HA Admission Control settings are not configured correctly.

**Answer: C**

Explanation:

vSphere High Availability (HA) depends on the FDM agent (Fault Domain Manager) that runs on every ESXi host in the cluster.

When an administrator enables HA on a cluster, vCenter automatically installs or updates the `vmware-fdm` VIB on each participating ESXi host. This VIB contains the HA agent binaries and is mandatory for HA services to start.

The error encountered:

```
"A general system error occurred: Failed to start fdm service on host"
```

is a classic and well-documented symptom of a missing or corrupted `vmware-fdm` VIB. When vSphere HA is toggled off and on, vCenter attempts to reinstall or restart the FDM agent; if the VIB is not present, HA cannot deploy successfully, and the FDM service fails to start.

Why the other answers are incorrect:

\* A. The `vmware-fdm` service is disabled ESXi does not allow manual disabling of this system service in normal operations. If the

service fails to start, the root cause is usually the absence or corruption of the VIB-not a disabled service.

\* C. Admission Control settings not configured correctly Admission Control errors affect VM failover capacity, not the ability to start FDM services.

\* D. HA startup policy not configured correctly There is no per-host HA startup policy that prevents FDM from starting.

### NEW QUESTION # 43

An administrator has observed that the vSphere Global Inventory is only available from the management domain vCenter. The Global Inventory is not available from the workload domain's vCenter.

Why is the "Global Inventory" missing from the workload domain's vCenter?

- A. Supervisor Management has not been enabled.
- B. An inventory sync was not run following the workload domain creation.
- C. VCF SSO and vCenter Linking have not been configured.
- D. An external VIDB instance has not been configured.

**Answer: C**

Explanation:

The Global Inventory List (GIL) is only available when multi-vCenter SSO domain linking is configured. In VMware Cloud Foundation, the management domain vCenter is deployed first and becomes the root vCenter for global inventory data. For workload domains, their vCenter Servers must be registered into the same SSO domain and linked with the management-domain vCenter in order for the global inventory data (VMs, hosts, clusters, content libraries) to appear.

If a workload domain vCenter is not SSO-linked, it operates in its own identity domain, and therefore cannot access or present Global Inventory, resulting in exactly the symptom described: the management domain vCenter shows the GIL, while the workload domain vCenter does not.

Option B (Supervisor Management) relates to vSphere with Tanzu and has no impact on Global Inventory.

Option C (inventory sync) is incorrect—there is no manual sync required; GIL relies entirely on SSO linking.

Option D (VIDB) is not related to vCenter linking or inventory visibility; it is used by VCF Identity Broker.

Therefore, the reason the Global Inventory is missing from the workload domain vCenter is that SSO/vCenter Linking has not been configured, which is required for federation across all VCF vCenters.

### NEW QUESTION # 44

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