

VMware Cloud Foundation 9.0 Support Sample Questions (Q35-Q40):

NEW QUESTION # 35

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

Answer: B

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 # 36

An administrator is attempting to activate a new vSphere Supervisor for use with VMware Cloud Foundation (VCF) Automation on a newly deployed cluster. In the VMware vSphere client, when going through the vSphere Supervisor activation having selected VCF Networking with VPC, the Virtual Private Cloud (VPC) Connectivity Profile dropdown is empty on the workload network page. The administrator verified that a Virtual Private Cloud (VPC) Connectivity Profile exists in NSX.

What is the cause of the issue?

- A. The default VPC has not been created.
- B. The TO gateway is in active/active mode.
- C. The vSphere Supervisor control plane is set to high-availability.
- **D. The selected NSX Project is the Default Project.**

Answer: D

Explanation:

When activating a vSphere Supervisor using VCF Networking with VPC, the Supervisor Workload Network must use a VPC Connectivity Profile. These profiles are scoped to an NSX Project, and cannot be consumed from the Default Project.

VCF Automation requires that:

- * A custom NSX Project be used for VPC networking integrations.
- * The Default Project cannot host Connectivity Profiles or VPC constructs intended for Supervisor activation.

Even though the administrator verified that a VPC Connectivity Profile exists in NSX, the Supervisor wizard will not display it if:

- * The VPC Connectivity Profile belongs to a different project, or
- * The current selection is the Default Project, which blocks visibility.

This exact behavior-empty VPC Connectivity Profile dropdown-is documented when attempting Supervisor activation under the Default NSX Project.

Option A (TO active/active) affects North-South routing but does not hide VPC profiles.

Option B (Supervisor HA mode) does not impact network profile selection.

Option D (missing default VPC) is incorrect because the wizard is complaining about availability of Connectivity Profiles, not VPC

instances.

NEW QUESTION # 37

An administrator determined that the VMware NSX admin password expired on their VMware NSX Edge Transport nodes. The administrator manually resets the password in the console of each Edge Transport node.

What additional action is required to synchronize the new password in VMware Cloud Foundation (VCF) Operations?

- A. In VCF Operations, rotate the admin password for each NSX Edge Transport node.
- B. In VCF Operations, sync the admin password for each NSX Edge Transport node.
- C. In VCF Operations, remediate the admin password for each NSX Edge Transport node.
- D. In VCF Operations, update the admin password for each NSX Edge Transport node.

Answer: C

Explanation:

In VMware Cloud Foundation 9.0, password changes made manually on an NSX Edge Transport Node are not automatically synchronized with VCF Operations. VCF Operations maintains secure credential records for all managed components, including NSX Manager appliances and NSX Edge Transport Nodes. When credentials become stale—such as after a password expiration and manual reset—VCF Operations marks the credential object as out of sync and requires administrative remediation.

The official workflow described in VCF 9.0 Operations documentation states that administrators must use the "Remediate Password" function whenever a password was changed outside of VCF Operations, ensuring that the platform revalidates and updates the stored credentials used for monitoring, log collection, and automation tasks. Options such as "rotate," "sync," or "update" do not apply because rotation implies generating a new password managed by VCF, and "sync" does not overwrite the stored credential. Only remediation forces VCF Operations to re-validate and align credentials with the external system.

Therefore, after manually resetting the NSX Edge admin password, the administrator must perform password remediation in VCF Operations to restore operational consistency, making B the correct and verified answer.

NEW QUESTION # 38

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

Answer: B,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 # 39

An administrator has been tasked with deploying a new workload domain consisting of six VMware ESX hosts with VMware vSAN into an existing VMware Cloud Foundation (VCF) instance. After starting the deployment from VCF Operations, they discover that only four of the six hosts required are listed for selection in the UI. The administrator checks the Unassigned Host Inventory view in the vSphere Client and confirms that all six hosts are listed.

Which step should the administrator perform to identify why the two hosts are not available for selection?

- A. Check that the network pool the hosts have been associated with is enabled for vSAN.
- B. Check that the failures to tolerate (FTT) setting for the workload domain is set to 0.
- C. Check that all disk partitions have been deleted from the SSD drives of the hosts.
- D. Check that the management port group on the standard switch has been enabled for vSAN traffic.

Answer: A

Explanation:

When deploying a new workload domain in VMware Cloud Foundation (VCF), only ESXi hosts that fully meet all pre-requisites are displayed in the VCF Operations UI for selection. Although all six hosts appear in the Unassigned Host Inventory in vCenter, VCF performs additional validation before making them selectable for workload domain deployment.

One of the mandatory requirements for any vSAN-enabled workload domain is that the ESXi hosts must be associated with a Network Pool configured for vSAN traffic. A network pool defines the host network configuration (VLANs, MTU, NIC mapping) used during domain deployment.

If the two missing hosts are associated with a network pool that does not have vSAN traffic enabled, or are associated with no network pool at all, VCF will exclude them from the workload domain deployment wizard.

This is documented behavior: VCF filters out hosts when required network intents—such as vSAN—are not present.

Other options are incorrect:

- * A. Management port group enabled for vSAN traffic- vSAN should never run on the management PG.
- * B. FTT setting- Has no effect on host visibility; applies only after deployment.
- * C. Disk partitions- Affects vSAN disk claim but does not prevent host selection in VCF.

NEW QUESTION # 40

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