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VMware 2V0-15.25 Exam Syllabus Topics:

Section	Weight	Objectives
Topic 1: Performance-tuning, Optimization, and Upgrades	16%	- Understand the concepts of NSX performance optimization - Describe the upgrade process for VCF components - Understand the VCF Lifecycle Manager (vLCM) - Understand the concepts of vSAN performance optimization - Understand the concepts of VCF backup and restore - Understand the use of SDDC Manager for operational tasks
Topic 2: Administrative and Operational Tasks	28%	- Describe the management of vSphere with Kubernetes - Understand the use of VCF APIs - Describe the management of VCF inventory - Understand the concepts of VCF Identity and Access Management - Describe the management of VCF certificates

Topic 3: Installing, Configuring, and Setup	24%	- Describe the configuration of VCF Management Domain - Describe the configuration of VCF Workload Domain - Understand the VCF Installer and Bring-up process - Describe the configuration of vSAN in VCF - Understand VCF Fleet concepts and components - Describe the configuration of NSX in VCF - Understand the configuration of vSphere with Kubernetes - Understand the deployment of vSphere Pods
Topic 4: IT Architectures, Standards, and Controls	8%	- Describe the concepts of Logical Switching and Logical Routing - Differentiate between logical and physical architecture - Describe the concepts of Disaster Recovery and Business Continuity - Differentiate between Availability, Manageability, Performance, Recoverability, and Security (AMPRS)
Topic 5: Troubleshooting and Repairing	24%	- Understand the troubleshooting of vSAN components - Understand the troubleshooting of NSX components - Describe the troubleshooting of VCF Management components - Understand the use of VMware Skyline and Health Checks - Describe the troubleshooting of VCF Workload components - Understand the SDDC Manager troubleshooting concepts

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VMware Cloud Foundation 9.0 Support Sample Questions (Q55-Q60):

NEW QUESTION # 55

An administrator is attempting to troubleshoot why the vSAN witness node cannot form a stretched cluster with the vSAN data nodes. The administrator can successfully ping the vSAN data node from the vSAN witness using the following command:
`vmkping -I <witness-vmk#> <vsan-IPaddress> -s <1472> -d`

What could be the possible cause of the issue?

- A. Port 12321 is not opened bidirectionally between all nodes.
- B. Port 443 is not opened bidirectionally between all nodes.
- C. The customer does not have any virtual machines in the vSAN Cluster.
- D. Jumbo Frames have not been enabled on the Witness Network.

Answer: A

Explanation:

In vSAN Stretched Cluster, communication between the witness node and data nodes requires several specific TCP/UDP ports. The ability to successfully execute:

`vmkping -I <witness-vmk> <vsan-IP> -s 1472 -d`

confirms that:

- * L2/L3 connectivity is present
- * MTU is correctly configured
- * ICMP traffic flows without fragmentation

However, vmkping alone does not verify vSAN control-plane communication.

For the vSAN Witness to properly form a cluster, TCP port 12321 must be open bidirectionally between:

- * Witness # Data nodes
- * Data nodes # Witness

Port 12321 is required for:

- * vSAN cluster membership

- * Witness traffic
- * vSAN object health/state synchronization

If this port is blocked by firewall policy or misconfigured network ACLs, the nodes can ping each other, but vSAN witness traffic will fail, preventing the stretched cluster from forming.

Why the other options are incorrect:

- * B. Port 443- Required for management, not cluster formation.
- * C. No VMs in cluster- Has no impact on witness formation.
- * D. Jumbo frames not enabled- Already ruled out by the successful 1472-byte vmkping with DF bit.

NEW QUESTION # 56

An administrator logs into the VMware NSX Manage UI and observes a "Remote Logging Not Configured" alarm for each NSX Management node. What is a possible reason for this issue?

- A. Update the NSX Uplink Profile to configure a remote logging server.
- B. Update the NSX Edge Cluster Profile to configure a remote logging server.
- C. Update the NSX Configuration Profile to configure a remote logging server.
- **D. Update the NSX Node Profile to configure a remote logging server.**

Answer: D

Explanation:

The "Remote Logging Not Configured" alarm in NSX Manager is a system-health alert indicating that one or more Transport Nodes (Edges or Hypervisors) or Management Nodes do not have a Syslog server defined.

* NSX Node Profiles: In VMware NSX (and by extension VCF), the standard method to apply consistent administrative settings- such as Syslog Servers, NTP settings, and Core Dump configurations- across a fleet of nodes is to use an NSX Node Profile.

* Configuration Path: The administrator should navigate to System > Fabric > Profiles > Node Profiles

. Here, they can create or edit a profile that specifies the remote syslog server's IP/FQDN, port, and protocol.

* Application: Once the Node Profile is applied to the NSX Management Cluster or Edge Clusters, the configuration is pushed to all respective appliances, clearing the alarm.

* Why not A/B: Edge Cluster Profiles manage networking/BFD settings; Uplink Profiles manage NIC teaming and MTU.

NEW QUESTION # 57

An administrator attempts to update the VMware vCenter root account password through VMware Cloud Foundation (VCF) Operations. The attempt fails with the following error message, "Failed to authenticate with the guest operating system using the supplied credentials." What is the cause of the failure?

- A. The SSH service is not running.
- B. vCenter is down.
- C. The password does not meet policy requirements.
- **D. The password was previously updated on the vCenter directly.**

Answer: D

Explanation:

VMware Cloud Foundation 9.0 Operations manages credentials for integrated components such as vCenter Server through its internal password vault. When administrators modify passwords directly on the component

-such as manually changing the vCenter root password- VCF Operations is no longer able to authenticate using its stored credentials.

As a result, any password rotation or update operation initiated through VCF Operations fails during the validation step.

The error "Failed to authenticate with the guest operating system using the supplied credentials" is a direct symptom of this condition.

VCF Operations attempts to log in to vCenter using the previously stored credential, which no longer matches the actual root password. Documentation describes this as an "out-of- sync credential state," and the resolution is to perform password remediation to re-synchronize VCF Operations with the system.

Option A (password complexity) is irrelevant because complexity is validated only after authentication.

Option C (vCenter down) would generate connectivity errors, not authentication errors.

Option D (SSH disabled) does not prevent password rotation because VCF Operations uses VMware Tools guest operations, not SSH, for authentication.

NEW QUESTION # 58

A VMware NSX Edge node is present in the inventory but shows "Not Ready" status in NSX Manager UI. What should the administrator check first?

- A. The NSX Edge has been added to an Edge cluster
- B. The NSX Edge node's CPU reservation
- C. The license key in NSX Manager UI
- **D. The NSX Edge node's uplink network configuration**

Answer: D

Explanation:

The status "Node Not Ready" in the NSX Manager UI (specifically in the Configuration State column of the Edge Transport Nodes view) indicates that the NSX Manager has failed to push or validate the necessary configuration to the Edge VM.

* Check Uplink Network Configuration (Option C): This is the most common cause for a "Node Not Ready" state during deployment or operation. For an Edge Node to be "Ready" (Success/Up), it must have a valid Transport Node configuration, which includes the Uplink Profile, IP Pool (for TEPs), and mapping to the Fastpath Interfaces (N-VDS). If the uplink configuration is missing, incorrect, or the management plane cannot communicate with the edge to apply it, the node remains in a "Not Ready" state.

* Why not Option A? While an Edge must be in an Edge Cluster to be utilized by a Tier-0 Gateway, a standalone Edge Node should still report a status of "Success" (Configuration) and "Up" (Node Status) if it is healthy. Adding a "Not Ready" (unhealthy/unconfigured) node to a cluster will not fix the underlying configuration issue.

* Why not Option D? Missing CPU reservations typically lead to a "Degraded" status or service crashes (Data plane down), but "Node Not Ready" is the specific indicator of an incomplete or stalled configuration workflow, usually tied to the transport/uplink setup.

NEW QUESTION # 59

An administrator has a vSphere 8.0 update 3 environment with the following configuration:

- * A 3-node vSAN cluster
- * A vSphere Standard Switch (VSS)
- * Several standalone ESX hosts in the vCenter inventory

They want to convert this vSphere environment into a new VMware Cloud Foundation (VCF) 9.0 management domain.

Identify two changes they will need to make before converting this vSphere environment into a VMware Cloud Foundation (VCF) Management domain? (Choose two.)

- A. Remove the standalone hosts from the vCenter inventory.
- **B. Upgrade vSphere 8.0 Update 3 to vSphere 9.0.**
- **C. Configure a vSphere Distributed Switch.**
- D. Remove the vSphere Standard Switch from the vCenter Inventory.

Answer: B,C

Explanation:

To convert an existing vSphere environment into a VMware Cloud Foundation (VCF) 9.0 Management Domain, several prerequisites must be met as defined in the VCF 9.x documentation.

First, VCF 9.0 requires vSphere 9.0 as part of its Bill of Materials (BOM). The uploaded VCF 9.0 documentation confirms that VCF 9.0 is built on vSphere 9.0, vCenter 9.0, and NSX versions that align with the 9.x stack. A vSphere 8.0 Update 3 environment is not supported as a foundation for a VCF 9.0 management domain; therefore, the administrator must upgrade the entire vSphere platform to vSphere 9.0 before VCF deployment.

(Reference: VCF 9.0 BOM - vSphere 9.0 is mandatory.)

Second, VCF management domain creation strictly requires vSphere Distributed Switches (vDS). VCF does not support vSphere Standard Switches (VSS) for any management domain hosts. The VCF 9.0 design and deployment guides state that all ESXi hosts intended for a management domain must use vDS for management, vSAN, and vMotion networking. Therefore, the existence of a VSS must be corrected by deploying and configuring a vSphere Distributed Switch and migrating host networking accordingly before Cloud Builder deployment.

Removing standalone hosts or removing a VSS from inventory is not required. Only the hosts selected for the management domain need to be prepared.

Thus, the required changes are:

#B. Upgrade vSphere 8.0 Update 3 to vSphere 9.0

#C. Configure a vSphere Distributed Switch

These are the only changes explicitly required by VCF 9.0 documentation.

NEW QUESTION # 60

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