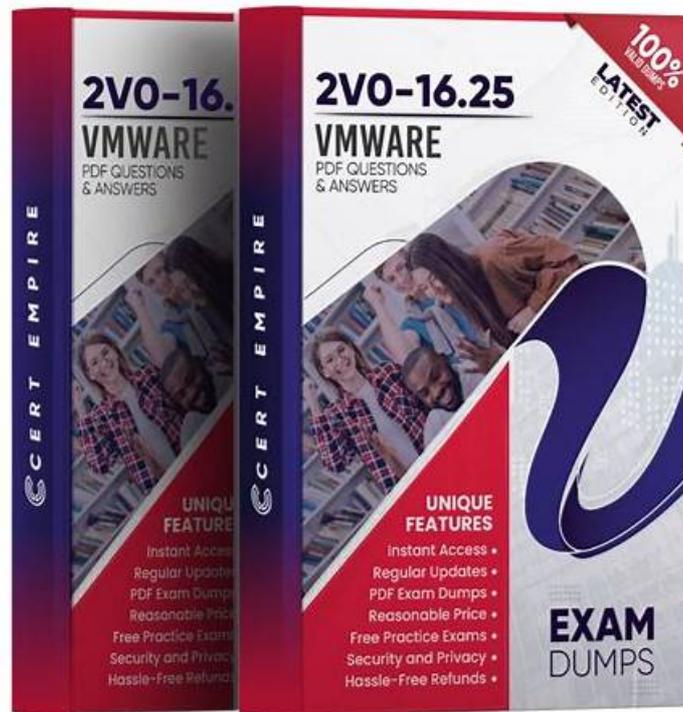


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VMware 2V0-16.25 Exam Syllabus Topics:

| Topic | Details |
|---------|---|
| Topic 1 | <ul style="list-style-type: none"> 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. |
| Topic 2 | <ul style="list-style-type: none"> 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. |

| | |
|---------|--|
| Topic 3 | <ul style="list-style-type: none"> • 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. |
| Topic 4 | <ul style="list-style-type: none"> • 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. |
| Topic 5 | <ul style="list-style-type: none"> • 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. |

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VMware vSphere Foundation 9.0 Administrator Sample Questions (Q20-Q25):

NEW QUESTION # 20

An administrator creates a cluster by joining a Medium sized VMware Cloud Foundation (VCF) Operations for Logs node to an existing Medium sized single-node deployment.

The secondary node of the cluster fails, degrading the functionality of VCF Operations for Logs.

What action should the administrator take to create a healthy active cluster?

- A. Scale up the VCF Operations for Logs primary and secondary node to size Extra Large.
- **B. Rebuild the VCF Operations for Logs cluster secondary node and place the cluster back into operation.**
- C. Scale up the VCF Operations for Logs primary and secondary node to size Large.
- D. Rebuild the VCF Operations for Logs cluster secondary node and add an additional node to the cluster.

Answer: B

Explanation:

In VMware Cloud Foundation (VCF) Operations for Logs, clusters require a minimum of three healthy nodes to function in a fully active and resilient state. When a cluster is deployed with only two nodes (primary + one secondary), the environment does not meet the minimum recommended requirement. If the secondary node fails, the cluster becomes degraded and functionality is reduced.

The correct remediation is:

* Rebuild the failed secondary nodes so that the cluster can return to a healthy state.

* After rebuilding, the node must be rejoined to the primary using the Management # Cluster workflow (secure token, IP/hostname of primary, etc.).

Why not the other options?

- * A. Scale up to Extra Large##Scaling up affects resource capacity (vCPU, RAM, disk) but does not solve the problem of missing nodes.
 - * B. Scale up to Large##Same reason as above, scaling up does not restore HA.
 - * D. Rebuild the secondary and add an additional node##While adding more nodes is a best practice (since HA clusters require three nodes), the minimum action required to restore a healthy active cluster is to rebuild the failed node. Adding more nodes is optional for increased resiliency.
- Therefore, the immediate and verified answer is to rebuild the failed secondary node.

References:

VMware Cloud Foundation 9.0.2 Documentation - VCF Operations for Logs Clusters and Node Requirements
 VMware Cloud Foundation 9.0.2 Documentation - Joining and Rebuilding Worker Nodes in a Logs Cluster
 VMware Cloud Foundation 9.0.1 Documentation - High Availability VCF Operations for Logs requires minimum of three nodes (1 primary, 2 workers)

NEW QUESTION # 21

An administrator must configure identity access for VMware vSphere Foundation (VVF) to allow admin accounts from the enterprise Active Directory domain corp.local to log in using domain credentials. Security requires authentication to use the default Active Directory protocol, without federation.

Which configuration step is required to enable Active Directory users to authenticate to vCenter?

- A. Configure Identity Federation using SAML with corp.local.
- B. Configure a trusted identity provider using OpenID Connect (OIDC).
- **C. Add Active Directory over LDAP as an identity source.**
- D. Add the domain controller certificate to the Trusted Root store in vCenter.

Answer: C

Explanation:

To allow Active Directory domain users (corp.local) to authenticate in vCenter with domain credentials:

- * The correct method is configuring Active Directory over LDAP as an identity source. (D)
- * This uses the default AD protocol (LDAP/Kerberos) without requiring SAML or OIDC federation.

Other options:

- * A. Adding domain controller certificate# Needed for LDAPS but not the main step.
- * B. Identity Federation with SAML# Requires federation, not allowed per requirements.
- * C. OpenID Connect (OIDC)# Used for external IdPs, not traditional AD auth.

References:

VMware vSphere 9.0 - Configuring Active Directory Identity Sources
 VMware Docs: Add AD over LDAP as Identity Source

NEW QUESTION # 22

Which rule in a virtual machine (VM) storage policy is configured to ensure data redundancy in a VMware vSAN environment?

- **A. Failures to Tolerate**
- B. Flash Read Cache Reservation
- C. Disk Stripes Per Object
- D. Stripe Width

Answer: A

Explanation:

The VM Storage Policy rule that controls data redundancy in vSAN is Failures to Tolerate (FTT).

- * Defines the number of hardware failures (host, disk, network) that vSAN can tolerate while maintaining data availability.
- * Configurations include RAID-1 (mirroring), RAID-5/6 (erasure coding).

Other options:

- * B. Disk Stripes Per Object# Defines performance striping, not redundancy.
- * C. Stripe Width# Same as above, not redundancy.
- * D. Flash Read Cache Reservation# Relates to caching performance, not redundancy.

References:

VMware vSphere 9.0 - Storage Policy Rules in vSAN
 VMware Docs: vSAN Failures to Tolerate

NEW QUESTION # 23

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. Allowing virtual machines to be live migrated between physical servers with Intel and AMD processors.
- D. Encrypting all data processed by a virtual machine on the operating system level.

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 # 24

An administrator enables the VMware Cloud Foundation (VCF) Operations orchestrator Plug-in for VMware vSphere Web Client service on a VCF Operations orchestrator appliance.

How many vSphere instances can be integrated in the vSphere Client through the VCF Operations orchestrator plug-in?

- A. 0
- **B. 1**
- C. 2
- D. 3

Answer: B

Explanation:

The VCF Operations Orchestrator Plug-in for VMware vSphere Web Client allows orchestration workflows directly in the vSphere Client.

* However, only one vSphere instance can be integrated at a time with the vSphere Client via this plug-in.

* This limitation ensures a consistent, single orchestration endpoint per vSphere Client environment.

Other options (8, 10, 15) apply to scaling of vCenter or data sources but not to the Orchestrator Plug-in integration.

References:

VMware Cloud Foundation 9.0.1 - Orchestrator Plug-in Integration Limits

VMware Docs: vRealize Orchestrator Plug-in for vSphere Web Client

NEW QUESTION # 25

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