

VMware 2V0-13.24 Desktop-Based Practice Program



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VMware 2V0-13.24 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">IT Architectures, Technologies, Standards: This section of the exam measures the skills of enterprise architects and solution architects and focuses on the fundamentals of IT architectures, technologies, and standards. It covers differentiating between business and technical requirements, understanding conceptual models, and logical and physical designs, and recognizing the distinctions between requirements, assumptions, constraints, and risks. Also included are availability, manageability, performance, recoverability, and security (AMPRS), developing risk mitigation strategies, documenting design decisions, and creating design validation strategies.
Topic 2	<ul style="list-style-type: none">VMware by Broadcom Solution: This section of the exam measures the skills of cloud architects and infrastructure engineers and focuses on understanding the architecture of VMware by Broadcom solution. Candidates should be able to differentiate between various VMware Cloud Foundation architecture options based on different scenarios.
Topic 3	<ul style="list-style-type: none">Troubleshoot and Optimize the VMware by Broadcom Solution: This section has NO TESTABLE OBJECTIVES in this version of the exam.
Topic 4	<ul style="list-style-type: none">Plan and Design the VMware by Broadcom Solution: This section of the exam measures the skills of VMware administrators. It involves gathering and analyzing business objectives and requirements to create a conceptual model. Additionally, it covers the creation of VMware Cloud Foundation logical and physical designs. This includes prerequisites and design decisions related to Network Infrastructure, VCF Management Domain, VCF Workload Domain, VCF Edge Cluster, VCF Cloud Automation, and VCF Cloud Operations. Designs should consider availability within and across availability zones, manageability (Lifecycle Management, Scalability, Capacity Management), performance, recoverability (BCDR strategies), and security for VCF Management Components and Workloads. Workload mobility, consumption, and monitoring strategies are also addressed in this section.
Topic 5	<ul style="list-style-type: none">Install, Configure, and Administrate the VMware by Broadcom Solution: This section has NO TESTABLE OBJECTIVES in this version of the exam.

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Additionally, all operating systems also support this format. The third format is the desktop 2V0-13.24 Practice Exam software. It is ideal for users who prefer offline VMware Cloud Foundation 5.2 Architect (2V0-13.24) exam practice. This format is supported by Windows computers and laptops. You can easily install this software in your system to use it anytime to prepare for the examination.

VMware Cloud Foundation 5.2 Architect Sample Questions (Q83-Q88):

NEW QUESTION # 83

When designing for capacity management in VMware Cloud Foundation, which two factors should be prioritized?

(Choose two)

Response:

- A. Ensuring that storage resources are sized based on the expected data growth rate
- B. Deploying more management nodes to improve the user interface
- C. Resource provisioning based on forecasted workload growth
- D. Automating the scaling of vSphere clusters in response to increased load

Answer: A,C

NEW QUESTION # 84

An architect is evaluating a requirement for a Cloud Management self-service solution to offer its users the ability to migrate their own workloads using VMware vMotion. Which component could the architect include in the solution design that will help satisfy the requirement?

- A. Aria Automation Config
- B. Aria Automation Orchestrator
- C. Aria Suite Lifecycle Manager
- D. Aria Operations

Answer: B

Explanation:

The requirement is for a self-service solution allowing users to migrate their own workloads using VMware vMotion within a VMware Cloud Foundation (VCF) 5.2 environment. vMotion is a vSphere feature that enables live migration of virtual machines (VMs) between ESXi hosts with no downtime, typically managed by administrators via vCenter. A self-service solution implies empowering end users (e.g., application owners) to initiate this process through a user-friendly interface or automation tool. Let's evaluate each component:

Option A: Aria Suite Lifecycle Manager Aria Suite Lifecycle Manager (LCM) is responsible for deploying, upgrading, and managing the lifecycle of VMware Aria Suite components (e.g., Aria Automation, Aria Operations). It does not provide self-service capabilities or direct interaction with vMotion. The VMware Aria Suite Lifecycle Administration Guide confirms its role is administrative, not end-user-facing, making it unsuitable for this requirement.

Option B: Aria Automation Orchestrator Aria Automation Orchestrator (formerly vRealize Orchestrator) is a workflow automation engine integrated with Aria Automation in VCF 5.2. It allows the creation of custom workflows, including vMotion operations, which can be exposed to users via the Aria Automation self-service portal. The VMware Aria Automation Orchestrator Administration Guide details how workflows can call vSphere APIs (e.g., RelocateVM_Task) to initiate vMotion, enabling users to trigger migrations without direct vCenter access. In VCF, this integrates with SDDC Manager and vCenter, satisfying the self-service requirement by providing a customizable, user-accessible automation layer.

Option C: Aria Operations Aria Operations (formerly vRealize Operations) is a monitoring and analytics tool for performance, capacity, and health of VCF components. It provides dashboards and insights but has no capability to execute vMotion or offer self-service workload management. The VMware Aria Operations Administration Guide confirms its focus is observability, not automation or user interaction, ruling it out.

Option D: Aria Automation Config Aria Automation Config (formerly SaltStack Config) is a configuration management tool for automating infrastructure and application states (e.g., patching, compliance). It lacks native vMotion integration or a self-service portal for workload migration. The VMware Aria Automation Config User Guide focuses on configuration tasks, not VM migration, making it irrelevant here.

Conclusion: Aria Automation Orchestrator (B) is the best fit. It enables the architect to design workflows for vMotion, integrated with

Aria Automation's self-service portal, meeting the requirement for user-driven workload migration in VCF 5.2. References: VMware Cloud Foundation 5.2 Architectural Guide(docs.vmware.com): Section on Aria Suite Integration and Automation. VMware Aria Automation Orchestrator Administration Guide(docs.vmware.com): Workflow Creation for vSphere Actions (vMotion).

VMware Aria Suite Lifecycle Administration Guide(docs.vmware.com): LCM Capabilities.

VMware Aria Operations Administration Guide(docs.vmware.com): Monitoring Scope.

NEW QUESTION # 85

Which two factors should be considered when troubleshooting storage performance issues in VMware Cloud Foundation?

(Choose two)

Response:

- A. Check the disk latency and I/O performance via vSAN Health
- B. Verify that storage policies are correctly assigned to VMs
- C. Reconfigure the vSAN storage cluster for better performance
- D. Increase the RAM on the ESXi hosts to resolve storage bottlenecks

Answer: A,B

NEW QUESTION # 86

A VMware Cloud Foundation multi-AZ (Availability Zone) design requires that:

All management components remain centralized.

The availability SLA must be no less than 99.99%.

Which two design decisions would help meet these requirements? (Choose two.)

- A. Select two distant AZs and configure separate management workload domains.
- B. Implement separate VLANs for the infrastructure management components within each AZ.
- C. Select two close proximity AZs and configure a stretched management workload domain.
- D. Implement VMware Live Recovery between the selected AZs.
- E. Implement a stretched L2 VLAN for the infrastructure management components between the AZs.

Answer: C,D

Explanation:

The requirements specify centralized management components and a 99.99% availability SLA (allowing ~52 minutes of downtime per year) in a VMware Cloud Foundation (VCF) 5.2 multi-AZ design. In VCF, management components (e.g., SDDC Manager, vCenter, NSX Manager) are typically deployed in a Management Domain, and multi-AZ designs leverage availability zones for resilience. Let's evaluate each option:

Option A: Implement a stretched L2 VLAN for the infrastructure management components between the AZs. A stretched L2 VLAN extends network segments across AZs, potentially supporting centralized management. However, it doesn't inherently ensure 99.99% availability without additional HA mechanisms (e.g., vSphere HA, NSX clustering). The VCF 5.2 Architectural Guide notes that L2 stretching alone lacks failover orchestration and may introduce latency or single points of failure if not paired with a stretched cluster, making it insufficient here.

Option B: Select two distant AZs and configure separate management workload domains. Separate management workload domains in distant AZs decentralize management components (e.g., separate SDDC Managers, vCenters), violating the requirement for centralization. The VCF 5.2 Administration Guide states that multiple management domains increase complexity and don't inherently meet high availability SLAs without cross-site replication, ruling this out.

Option C: Implement VMware Live Recovery between the selected AZs. VMware Live Recovery (part of VMware's DR portfolio, integrating Site Recovery Manager and vSphere Replication) provides disaster recovery across AZs. It ensures centralized management components (in one AZ) can fail over to a secondary AZ, maintaining an RTO/RPO that supports 99.99% availability when properly configured (e.g., <5-minute failover with replication). The VCF 5.2 Architectural Guide recommends Live Recovery for multi-AZ resilience while keeping management centralized, making it a strong fit.

Option D: Implement separate VLANs for the infrastructure management components within each AZ. Separate VLANs per AZ enhance network isolation but imply distributed management components across AZs, contradicting the centralized requirement. Even if management is centralized in one AZ, separate VLANs don't directly improve availability to 99.99% without HA or DR mechanisms, per the VCF 5.2 Networking Guide.

Option E: Select two close proximity AZs and configure a stretched management workload domain. A stretched management workload domain spans two close AZs (e.g., <10ms latency) using vSphere HA, vSAN stretched clusters, and NSX federation. This keeps management components centralized (single SDDC Manager, vCenter) while achieving 99.99% availability through

synchronous replication and automatic failover. The VCF 5.2 Architectural Guide highlights stretched clusters as a best practice for multi-AZ designs, ensuring minimal downtime (e.g., seconds during host/AZ failure), meeting the SLA.

Conclusion:

C: VMware Live Recovery enables centralized management with DR failover, supporting 99.99% availability.

E: A stretched management domain in close AZs ensures centralized, highly available management with near-zero downtime. These decisions align with VCF 5.2 multi-AZ best practices. References:

VMware Cloud Foundation 5.2 Architectural Guide(docs.vmware.com): Multi-AZ Design and Stretched Clusters.

VMware Cloud Foundation 5.2 Administration Guide(docs.vmware.com): Management Domain Resilience.

VMware Live Recovery Documentation(docs.vmware.com): DR for VCF Environments.

NEW QUESTION # 87

Which of the following is a key consideration when differentiating between availability, manageability, performance, recoverability, and security (AMPERS)?

Response:

- A. Availability should be optimized, with security being a secondary concern.
- B. Security is the most important and should be prioritized over all other factors.
- C. Each factor is independent and should be handled separately.
- D. These factors should be considered together as they impact system design and performance.**

Answer: D

NEW QUESTION # 88

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