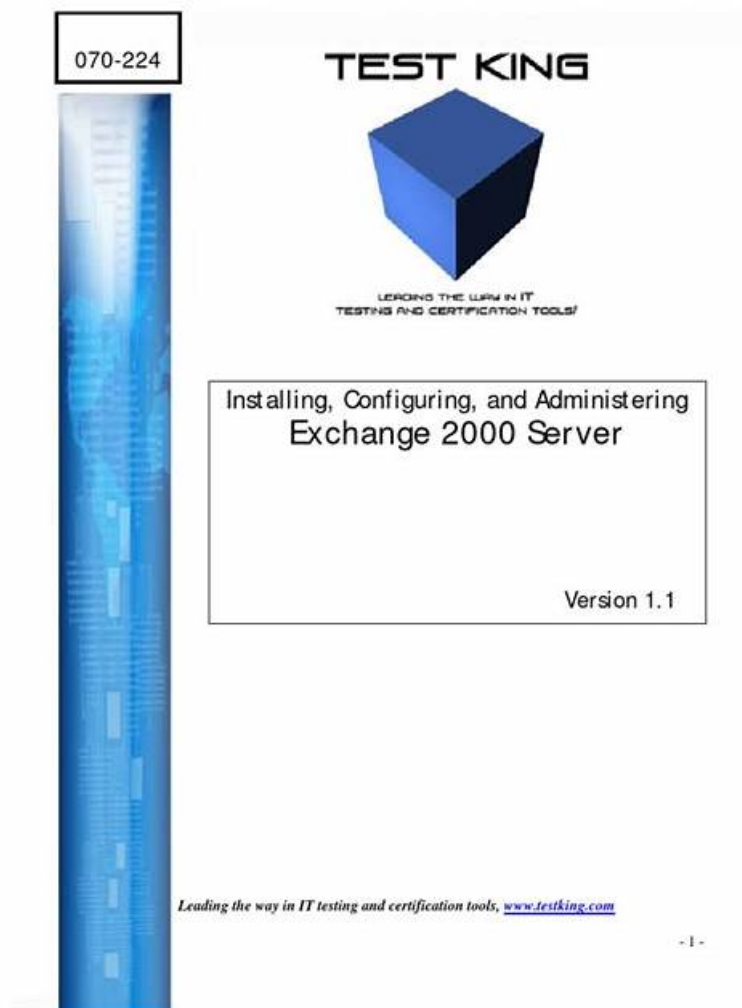


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## VMware 2V0-13.24 Exam Syllabus Topics:

| Topic   | Details                                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topic 1 | <ul style="list-style-type: none"> <li>Install, Configure, and Administrate the VMware by Broadcom Solution: This section has NO TESTABLE OBJECTIVES in this version of the exam.</li> </ul> |

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topic 2 | <ul style="list-style-type: none"> <li>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.</li> </ul> |
| Topic 3 | <ul style="list-style-type: none"> <li>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.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Topic 4 | <ul style="list-style-type: none"> <li>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.</li> </ul>                                                                                                                                                                                                       |
| Topic 5 | <ul style="list-style-type: none"> <li>Troubleshoot and Optimize the VMware by Broadcom Solution: This section has NO TESTABLE OBJECTIVES in this version of the exam.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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## VMware Cloud Foundation 5.2 Architect Sample Questions (Q64-Q69):

### NEW QUESTION # 64

When creating a physical design for a VMware Cloud Foundation environment, which of the following is the most critical prerequisite?

Response:

- A. Identifying hardware models for ESXi hosts
- B. Selecting a cloud management platform for automation
- C. Setting up the physical network infrastructure for the management domain
- D. Ensuring a sufficient number of IP addresses for management and storage networks

Answer: D

### NEW QUESTION # 65

An architect is planning the deployment of Aria components in a VMware Cloud Foundation environment using SDDC Manager and must prepare a logical diagram with networking connections for particular Aria products. Which are two valid Application Virtual Networks for Aria Operations deployment using SDDC Manager? (Choose two.)

- A. Region-A - VLAN backed segment
- B. X-Region - Overlay backed segment

- C. Region-A - Overlay backed segment
- **D. X-Region - VLAN backed segment**

**Answer: A,D**

Explanation:

In VMware Cloud Foundation (VCF) 5.2, Aria Operations (formerly vRealize Operations) is deployed via SDDC Manager to monitor the environment. SDDC Manager automates the deployment of Aria components, including networking configuration, using Application Virtual Networks (AVNs). AVNs provide isolated network segments for management components. The question asks for valid AVNs for Aria Operations, which operates within the Management Domain. Let's evaluate:

VCF Networking Context:

Region-Specific (Region-A): Refers to a single VCF instance or region, typically the Management Domain's scope.

Cross-Region (X-Region): Spans multiple regions or instances, used for components needing broader connectivity.

VLAN-backed: Traditional Layer 2 VLANs on physical switches, common for management traffic.

Overlay-backed: NSX-T virtual segments using Geneve encapsulation, used for flexibility and isolation.

Aria Operations Deployment:

Deployed in the Management Domain by SDDC Manager onto a single cluster.

Requires connectivity to vCenter, NSX, and ESXi hosts for monitoring, typically using management network segments.

SDDC Manager assigns Aria Operations to an AVN during deployment, favoring VLAN-backed segments for simplicity and compatibility with management traffic.

Evaluation:

Option A: Region-A - Overlay backed segment

Overlay segments (NSX-T) are supported in VCF for workload traffic or advanced isolation, but Aria Operations, as a management component, typically uses VLAN-backed segments for direct connectivity to other management services (e.g., vCenter, SDDC Manager). While technically possible, SDDC Manager defaults to VLANs for Aria deployments unless explicitly overridden, making this less standard and not a primary valid choice.

Option B: Region-A - VLAN backed segment

This is correct. A VLAN-backed segment in Region-A aligns with the Management Domain's networking, where Aria Operations resides. SDDC Manager uses VLANs (e.g., Management VLAN) for management components to ensure straightforward deployment and connectivity to vSphere/NSX. This is a valid and common AVN for Aria Operations in VCF 5.2.

Option C: X-Region - VLAN backed segment

This is correct. An X-Region VLAN-backed segment supports cross-region management traffic, which is valid if Aria Operations monitors multiple VCF instances or domains (e.g., Management and VI Workload Domains across regions). SDDC Manager supports this for broader visibility, making it a valid AVN, especially in multi-site designs.

Option D: X-Region - Overlay backed segment

Similar to Option A, overlay segments are feasible with NSX-T but less common for Aria Operations. X-Region overlay could theoretically work for multi-site monitoring, but SDDC Manager prioritizes VLANs for management simplicity and compatibility. This is not a default or primary valid choice.

Conclusion: The two valid Application Virtual Networks for Aria Operations deployment using SDDC Manager are Region-A - VLAN backed segment (B) and X-Region - VLAN backed segment (C). These reflect VCF 5.2's standard use of VLANs for management components, supporting both local and cross-region monitoring scenarios.

References:

VMware Cloud Foundation 5.2 Architecture and Deployment Guide (Section: Aria Operations Deployment)

VMware Cloud Foundation 5.2 Planning and Preparation Guide (Section: Networking for Management Components)

VMware Aria Operations 8.10 Documentation (integrated in VCF 5.2): Network Configuration

## NEW QUESTION # 66

Which VMware Cloud Foundation architecture option is best suited for organizations with heavy workloads in a single data center but with plans to expand?

Response:

- A. VMware Cloud Foundation with an edge-cloud deployment
- B. VMware Cloud Foundation with a multi-cloud hybrid setup
- C. VMware Cloud Foundation with an all-flash storage setup
- **D. VMware Cloud Foundation with centralized management**

**Answer: D**

### NEW QUESTION # 67

An architect is preparing a VI Workload Domain design with a dedicated NSX instance. The workload domain is planned to grow up to 300 ESXi hosts within the next six months. Which is the minimum NSX Manager form factor that should be recommended by the architect for this VI Workload Domain to support the forecasted growth?

- A. Small
- B. Extra Small
- **C. Large**
- D. Medium

**Answer: C**

### NEW QUESTION # 68

An architect is designing a VMware Cloud Foundation (VCF)-based Private Cloud solution. During the requirements gathering workshop with customer stakeholders, the following information was captured:

The solution must be capable of deploying 50 concurrent workloads.

The solution must ensure that once submitted, each service does not take longer than 6 hours to provision.

When creating the design documentation, which design quality should be used to classify the stated requirements?

- A. Availability
- B. Recoverability
- **C. Performance**
- D. Manageability

**Answer: C**

Explanation:

In VMware Cloud Foundation (VCF) 5.2, design qualities (or non-functional requirements) categorize how the solution meets its objectives. The requirements-"deploying 50 concurrent workloads" and "provisioning each service within 6 hours"-must be classified under a quality that reflects their intent. Let's evaluate each option:

Option A: Availability Availability ensures the solution is accessible and operational when needed (e.g., uptime percentage). While deploying workloads and provisioning services assume availability, the requirements focus on speed and capacity (50 concurrent workloads, 6-hour limit), not uptime or fault tolerance.

This quality doesn't directly address the stated needs, making it incorrect.

Option B: Recoverability Recoverability addresses the ability to restore services after a failure (e.g., disaster recovery). The requirements don't mention failure scenarios, backups, or restoration-they focus on provisioning speed and concurrency during normal operation. Recoverability is unrelated to these operational metrics, so this is incorrect.

Option C: Performance This is the correct answer. Performance measures how well the solution executes tasks, including speed, throughput, and capacity. In VCF 5.2:

"Deploying 50 concurrent workloads" is a throughput requirement, ensuring the system can handle multiple deployments simultaneously.

"Each service does not take longer than 6 hours to provision" is a latency or response time requirement, setting a performance boundary. Both align with the performance quality, which governs resource efficiency and user experience in provisioning workflows (e.g., via SDDC Manager or Aria Automation). This classification fits VMware's design framework.

Option D: Manageability Manageability focuses on ease of administration, monitoring, and maintenance (e.g., automation, UI simplicity). While provisioning workloads involves management, the requirements emphasize how fast and how many-performance metrics-not the ease of managing the process.

Manageability might apply to tools enabling this, but it's not the primary quality here.

Conclusion: The design quality to classify these requirements is Performance (Option C). It directly reflects the solution's ability to handle 50 concurrent workloads and provision services within 6 hours, aligning with VCF 5.2's focus on operational efficiency.

References:

VMware Cloud Foundation 5.2 Planning and Preparation Guide (Section: Design Qualities) VMware Cloud Foundation 5.2 Architecture and Deployment Guide (Section: Performance Considerations)

### NEW QUESTION # 69

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