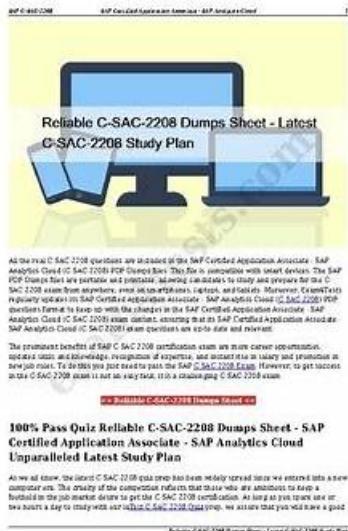


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## VMware 3V0-42.23 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• Plan and Design the VMware Solution: This section evaluates the expertise of Solution Designers and Infrastructure Architects in planning and designing VMware solutions. It includes identifying design terms, frameworks, and methodologies, understanding VMware Cloud Foundation designs, and analyzing customer requirements. Additionally, it covers conceptual, logical, and physical designs for NSX Edge clusters, logical switching, routing architectures, security features, network services, physical infrastructure design, multi-location setups with NSX Federation, and optimization using DPU-based acceleration.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• VMware Solution: This section of the exam measures the skills of NSX Administrators and Cloud Architects in understanding NSX architecture and its components. It covers the main elements of NSX architecture, including management clusters, control planes, and data planes. It also addresses NSX Manager sizing options, cluster design decisions, and differences between enterprise and service provider NSX designs.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• IT Architectures, Technologies, Standards: This section of the exam does not include any testable objectives. It is designed to provide foundational context for understanding VMware solutions and their alignment with IT architectures, technologies, and standards.</li></ul>
Topic 4	<ul style="list-style-type: none"><li>• Install, Configure, Administrate the VMware Solution: This section does not include any testable objectives. It focuses on providing a high-level understanding of installation and administrative tasks related to VMware solutions.</li></ul>
Topic 5	<ul style="list-style-type: none"><li>• Troubleshoot and Optimize the VMware Solution: This section does not include any testable objectives. It is intended to offer insights into troubleshooting methodologies and optimization strategies for VMware environments.</li></ul>

## VMware NSX 4.x Advanced Design Sample Questions (Q73-Q78):

### NEW QUESTION # 73

Which feature is a security feature available in NSX?

- A. All of the above
- B. Virtual Private Network
- C. Distributed Firewall
- D. Gateway Firewall

**Answer: A**

### NEW QUESTION # 74

A global media organization is planning to deploy VMware NSX to manage their network infrastructure. The organization needs a unified networking and security platform that can handle their geographically dispersed data centers while providing high availability, seamless workload mobility, and efficient disaster recovery. A Solutions Architect is tasked with designing a multi-location NSX deployment that addresses requirements.

Given the organization's needs, how should the Solutions Architect design the multi-location NSX deployment?

- A. Deploy NSX Federation to manage local NSX Managers in each location.
- B. Deploy NSX independently in each location and manage each location separately.
- C. Deploy NSX in a single location and use VPNs to connect the other locations to the primary site.

**Answer: A**

Explanation:

1. Why NSX Federation is the Right Solution (Correct Answer - C)
  - \* NSX Federation allows centralized management of multiple NSX environments across locations.
  - \* Enables seamless workload mobility and security policy enforcement across data centers.
  - \* Supports disaster recovery by ensuring consistent network and security policies are applied globally.

\* Key Benefits Include:

- \* Global Security and Networking Policy Management.
- \* Centralized Administration for all NSX deployments.
- \* Automated failover and disaster recovery across sites.

2. Why Other Options are Incorrect

\* (A - VPNs Only):

- \* VPNs alone do not provide unified management; they only secure site-to-site communication.

\* (B - Independent NSX Instances):

- \* Managing separate NSX instances per site is complex and does not support global policy synchronization.

3. Key Considerations for NSX Federation Deployment

- \* Each NSX site must be running the same NSX version and build.
- \* A Global Manager (GM) is required for centralized management.
- \* Inter-site connectivity must support high-performance and low-latency communication for real-time policy enforcement.

VMware NSX 4.x Reference:

\* NSX Federation Architecture and Deployment Guide

\* VMware NSX Federation for Multi-Data Center Management Best Practices

### NEW QUESTION # 75

A Solutions Architect has been tasked with designing an NSX architecture that meets these customer requirements:

- \* Need for network segmentation and security
- \* Need for load balancing for high availability and performance
- \* Integration with existing and future VMware and non-VMware workloads
- \* Solution should allow for future scalability

The architect has decided to leverage the NSX Tier-0 and Tier-1 Gateways for the architecture design to manage North-South and East-West traffic.

How should the architect design the gateway deployment to ensure high availability, effective traffic management, and scalability?

- A. Deploy multiple VRFs connected to a single Tier-0 Gateway and distribute workloads across the VRFs.
- B. Deploy multiple Tier-0 Gateways, each connected to a single Tier-1 Gateway, and distribute workloads evenly across the Tier-1 Gateways.
- **C. Deploy multiple Tier-1 Gateways connected to a single Tier-0 Gateway and distribute workloads evenly across the Tier-1 Gateways.**
- D. Deploy a single Tier-1 Gateway and a single Tier-0 Gateway, and connect all workloads to the Tier-1 Gateway.

**Answer: C**

Explanation:

- \* Scalable Multi-Tier NSX Design (Correct Answer - A):
- \* Multiple Tier-1 Gateways distribute traffic efficiently across workloads.
- \* Single Tier-0 Gateway provides consistent external routing, simplifying BGP/OSPF configuration.
- \* Supports multi-tenancy and micro-segmentation while maintaining performance scalability.

VMware NSX 4.x Reference:

\* NSX-T Multi-Tier Gateway Design Guide

\* NSX-T Scalability Best Practices

### NEW QUESTION # 76

NSX Distributed Firewall supports which of the following capabilities? (Choose two)

- A. Rule application at the network perimeter only
- B. Physical server protection
- **C. Stateful firewall protection for VMs**
- **D. Granular segmentation within the data center**

**Answer: C,D**

## NEW QUESTION # 77

How do VRF Lite configurations enhance NSX network design?

- A. By reducing the overall cost of the network infrastructure
- B. By simplifying the physical network layout
- C. By increasing the physical distance that signals can travel
- D. By enabling more granular control over routing and segmentation

**Answer: D**

## NEW QUESTION # 78

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You don't need to install any separate software or plugin to use it on your system to practice for your actual VMware NSX 4.x Advanced Design (3V0-42.23) exam. VMware web-based practice software is supported by all well-known browsers like Chrome, Firefox, Opera, Internet Explorer, etc.

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