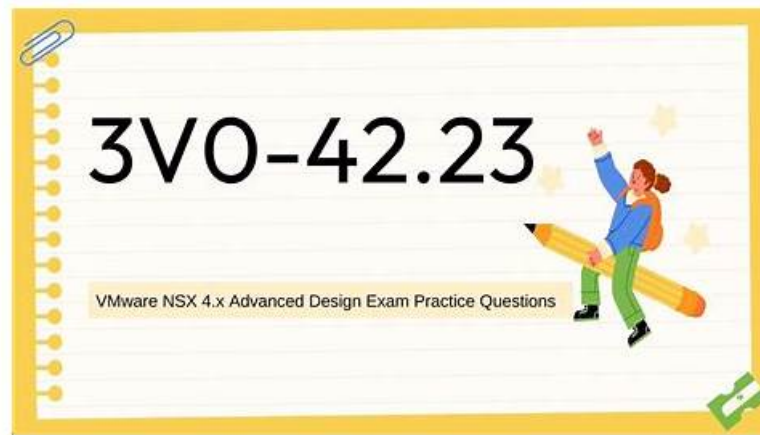


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## 100% Pass Quiz Newest VMware - 3V0-42.23 - VMware NSX 4.x Advanced Design Hot Questions

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### VMware NSX 4.x Advanced Design Sample Questions (Q138-Q143):

#### NEW QUESTION # 138

Stretched security use cases in Federation are primarily designed to?

- A. Eliminate the need for a security policy
- **B. Maintain consistent security postures across multiple locations**
- C. Focus solely on physical security enhancements
- D. Reduce the overall number of firewalls deployed

**Answer: B**

#### NEW QUESTION # 139

Which three choices are part of a Design Approach when discussing design alternatives and their effects?(Choose three.)

- **A. Budget**
- B. Security
- **C. Cost**

- D. Performance
- E. Knowledge
- F. Backup

**Answer: A,C,D**

Explanation:

- \* Key Design Considerations (Correct Answers - B, C, E):
  - \* Budget: Determines hardware, licensing, and NSX deployment costs.
  - \* Cost: Affects NSX scalability, high availability, and feature selection.
  - \* Performance: Defines bandwidth requirements, throughput, and overlay network efficiency.
  - \* Incorrect Options:
  - \* (A - Backup):
  - \* Backup is an operational consideration, not a design alternative.
  - \* (D - Knowledge):
  - \* While engineers need NSX knowledge, this is not a technical design factor.
  - \* (F - Security):
  - \* Security is important but should be integrated into budget and performance discussions.
- VMware NSX 4.x Reference:
- \* NSX-T Design and Architecture Best Practices
  - \* VMware Validated Design (VVD) for NSX

#### NEW QUESTION # 140

Guidelines for designing top-of-rack switches often emphasize? (Choose two)

- A. Low latency for intra-rack communications
- B. The aesthetic appeal of the switch design
- C. The use of wireless technology to connect rack devices
- D. High throughput to accommodate rack-level traffic

**Answer: A,D**

#### NEW QUESTION # 141

What are the benefits of a centralized gateway architecture in NSX?

- A. Improved scalability, increased redundancy, and faster failover times
- B. Better load balancing, easier troubleshooting, and lower hardware costs
- C. Simplified network design, reduced network latency, and improved security
- D. Better application performance, improved network visibility, and easier management

**Answer: A**

Explanation:

- \* Advantages of a Centralized NSX Gateway Architecture (Correct Answer - D):
  - \* Scalability:
  - \* A centralized Tier-0 Gateway allows for consistent external connectivity across multiple NSX instances.
  - \* Redundancy:
  - \* Active-Active and Active-Standby configurations provide high availability (HA).
  - \* Faster Failover:
  - \* BGP/OSPF dynamic routing ensures rapid recovery in case of gateway failure.
  - \* Incorrect Options:
  - \* (A - Load Balancing & Troubleshooting):
  - \* Load balancing is handled by NSX Advanced Load Balancer, not centralized gateways.
  - \* (B - Simplified Network Design & Security):
  - \* While security improves, this answer misses key benefits like failover and redundancy.
  - \* (C - Network Visibility & Application Performance):
  - \* Visibility and performance depend on monitoring tools, not just gateway centralization.
- VMware NSX 4.x Reference:
- \* NSX-T Gateway and Routing Best Practices

### NEW QUESTION # 142

A rapidly growing e-commerce company, with a global customer base, is seeking to enhance their current network infrastructure to ensure a seamless and secure user experience. They have opted for VMware NSX to leverage software-defined networking (SDN) capabilities, and are particularly interested in employing NSX Edge to maximize their network performance.

A solutions architect is tasked with designing an effective and efficient solution using NSX Edge that meets the customer's requirements. The design should incorporate North-South routing to handle traffic to and from the internet.

To meet the company's requirements, what optimal solution should the solutions architect recommend, utilizing NSX Edge?

- A. Deploy a single NSX Edge node and use a separate physical router for East-West routing.
- B. Deploy multiple NSX Edge nodes and configure a Tier-0 Gateway in Active-Standby mode for North-South routing services.
- C. Deploy a single NSX Edge node for North-South routing services.
- **D. Deploy multiple NSX Edge nodes and configure a Tier-0 Gateway in Active-Active mode for North-South routing services.**

**Answer: D**

Explanation:

1. Importance of NSX Edge for North-South Traffic

\* NSX Edge nodes provide routing, NAT, firewall, and load balancing services for North-South traffic (external connectivity).

\* Active-Active Tier-0 Gateway provides maximum performance and resiliency for high traffic volume.

2. Why Active-Active Tier-0 with Multiple Edge Nodes is the Best Choice (D)

\* Supports Equal-Cost Multi-Path (ECMP) routing, distributing North-South traffic across multiple paths.

\* Provides better scalability and performance than Active-Standby mode.

\* Ideal for high-volume applications like e-commerce sites that require low-latency, high-throughput connections.

3. Why Other Options are Incorrect

\* (A - Single NSX Edge Node):

\* Single Edge Nodes introduce a single point of failure.

\* (B - Using a Physical Router for East-West Routing):

\* NSX handles East-West traffic internally using Distributed Routing.

\* (C - Active-Standby Tier-0 Gateway):

\* Active-Standby mode does not provide load balancing across multiple nodes.

4. NSX Edge and Tier-0 Gateway Design Considerations

\* Ensure sufficient bandwidth allocation for North-South traffic.

\* Use BGP or OSPF for dynamic route advertisement.

\* Configure ECMP for efficient multi-path forwarding.

VMware NSX 4.x Reference:

\* NSX-T Edge Node Scaling and Performance Best Practices

\* Tier-0 Gateway Active-Active vs. Active-Standby Deployment Guide

### NEW QUESTION # 143

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