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Practice Exam Questions for: Nokia Data Center Fabric Fundamentals (exam number: 4A0-D01)

The following questions will test your knowledge and prepare you for the Nokia Data Center Fabric Fundamentals exam. Compare your responses with the Answer Key at the end of the document.

1. A static route is configured in two steps in Nokia SR Linux. Which of the following items CANNOT be configured in the static-routes container?
 - a. A black-hole option
 - b. An IPv4 destination prefix
 - c. A preference value
 - d. A next-hop-group
2. Which of the following about the leaf-spine topology (Clos network) is FALSE?
 - a. Every leaf router is connected to all spine routers.
 - b. Scaling can be achieved by adding an additional spine layer.
 - c. Layer 2 is typically used at the aggregation and access layers.
 - d. The leaf-spine topology uses ECMP to distribute traffic across duplicate links.
3. Which of the following is one of the recommendations for AS number assignment in a leaf-spine network?
 - a. Assign the same AS number to all spine routers in a cluster
 - b. Assign public AS numbers to all leaf and spine routers
 - c. Assign a distinct AS number to all super spine routers
 - d. Assign the same AS number to all leaf routers
4. Which of the following is NOT a characteristic of Nokia's SR Linux?
 - a. YANG model defines the configuration and state information for each application.
 - b. Each individual Linux application uses a distinct IP-VRF.
 - c. Applications can be accessed through JSO1 RPCs.
 - d. Third-party defined applications can access the SR Linux applications.

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Nokia 4A0-D01 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">SR Linux Configuration and Routing: This section of the exam measures skills of a Network Automation Specialist and focuses on configuring and managing SR Linux systems. It examines the YANG-driven CLI, JSON output, environment variables, and static and dynamic routing. Learners also explore BGP, ECMP, IP-VRF, MAC-VRF, and the use of VXLAN with EVPN to implement both Layer 2 and Layer 3 overlays, including symmetric and asymmetric models.
Topic 2	<ul style="list-style-type: none">Nokia DC Fabric Solution: This section of the exam measures skills of a Data Center Network Engineer and covers the architecture and benefits of modern Layer 3 data center networks. It includes an overview of BGP-based routing, VXLAN and EVPN overlays for multi-tenant environments, and key features of the SR Linux operating system. The section also explains how APIs are used for external configuration and introduces the Fabric Services System's management capabilities.
Topic 3	<ul style="list-style-type: none">Module 5 – EDA (Event Driven Automation) Introduction

Nokia Data Center Fabric Fundamentals Exam Sample Questions (Q34-Q39):

NEW QUESTION # 34

Which of the following statements about next-hop groups is TRUE?

- A. A next-hop-group can only specify one next-hop for forwarding
- B. The next-hop for a next-hop-group must be a local IP address.
- C. CMP destination unreachable message is always sent when blackhole is specified in the next-hop-group.
- D. Multiple static routes can use the same next-hop-group.

Answer: D

Explanation:

Multiple static routes can share the same next-hop group, enabling efficient reuse of next-hop definitions for load balancing or redundancy.

NEW QUESTION # 35

Which of the following statements about the IRB subinterface configuration in Nokia SR Linux is FALSE?

- A. One IRB subinterface is configured in a MAC-VRF network instance.
- B. An IP address is configured under the IRB's subinterface.
- C. An IRB subinterface is configured in an IP-VRF network instance.
- D. One IRB subinterface is configured for each interface within a MAC-VRF network instance.

Answer: D

Explanation:

In Nokia SR Linux, IRB subinterfaces are configured one per MAC-VRF network instance, not one for each interface within that instance. Multiple IRB subinterfaces per interface are not typical.

NEW QUESTION # 36

Which of the following statements about a CPM-filter policer is FALSE?

- A. The system-cpu-policer is hardware-based.
- B. Hierarchical policing of control plane traffic is supported.
- C. The system-cpu-policer acts on the aggregate traffic from all line cards.
- D. CPM-filter entries can use both a distributed-policer and a system-cpu-policer.

Answer: A

Explanation:

The system-cpu-policer in Nokia SR Linux is software-based, not hardware-based. It acts on aggregate control plane traffic and supports hierarchical policing with CPM-filter entries using both distributed and system-cpu-policers.

NEW QUESTION # 37

Which of the following statements about resilient ECMP load balancing is TRUE?

- A. A different hash seed is used on downstream routers to ensure that flows are randomly distributed across all eligible router interfaces.
- B. Hash buckets are used to ensure that flows egressing the same interface on one router use different egress interfaces on downstream routers.
- C. When one of the next-hops fail, only flows currently egressing to that next-hop are impacted.
- D. The hash value used to distribute traffic is calculated as a modulo function on specific fields of the packet header.

Answer: C

Explanation:

In resilient ECMP load balancing, when a next-hop fails, only the flows that were using that specific next-hop are affected and need to be redistributed, minimizing disruption to other flows.

NEW QUESTION # 38

Which of the following statements about configuration checkpoints in Nokia SR Linux is FALSE?

- A. The operator can revert to any existing checkpoint.
- B. The current running configuration can be saved as a JSON-formatted checkpoint file.
- C. Checkpoint 0 is always the oldest checkpoint.
- D. The operator can generate a new checkpoint when committing configuration changes.

Answer: C

Explanation:

In Nokia SR Linux, checkpoint numbering is dynamic. The system assigns the lowest available number to the most recent checkpoint, not necessarily "0." When the number of saved checkpoints exceeds the configured maximum, the oldest checkpoint is removed, and the remaining checkpoints are renumbered accordingly. Therefore, checkpoint "0" is not always the oldest checkpoint.

NEW QUESTION # 39

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