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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 blackhole 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 JSON 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	• 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	• 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	• Module 5 – EDA (Event Driven Automation) Introduction
Topic 4	• This section of the exam measures skills of a Network Automation Specialist and introduces the principles of Event Driven Automation in SR Linux environments. It covers integration with Kubernetes and explores core use cases such as intent-based automation for fabrics and services, as well as enhanced network observability.
Topic 5	• SR Linux Logging, Monitoring, and Filtering: This section of the exam measures skills of a Data Center Network Engineer and addresses how to implement logging, monitoring, and traffic filtering in SR Linux. It explains log file usage, ACL types, CPM filtering, and packet capture filters. Configuration tasks involve applying ACLs and monitoring network activity using capture tools.

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Nokia Data Center Fabric Fundamentals Exam Sample Questions (Q26-Q31):

NEW QUESTION # 26

Which of the following statements about Zero Touch Provisioning (ZTP) is FALSE?

- A. The ZTP process relies on a DHCP server for an IP address.
- **B. The ZTP process downloads a provisioning script defined in the TLS profile.**
- C. ZTP allows a router to become operational in the network without any pre-provisioning.
- D. The ZTP process is managed by the ZTP application in Nokia SR Linux.

Answer: B

Explanation:

The ZTP process downloads a provisioning script typically from a defined URL or server, not from a TLS profile. The TLS profile is used for securing communications but does not define the provisioning script location.

NEW QUESTION # 27

Which of the following statements about the data center's leaf-spine topology (clos network) is FALSE?

- **A. It uses the spanning tree protocol to avoid forwarding loops.**
- B. It provides a consistent path for east-west traffic.
- C. It uses ECMP to distribute traffic across duplicate links.
- D. Each leaf router is connected to all the spine routers in the cluster.

Answer: A

Explanation:

The leaf-spine (Clos) topology does not use the spanning tree protocol because it relies on equal-cost multipath (ECMP) routing to prevent loops and efficiently utilize all available paths. Spanning tree is typically avoided in modern data center fabrics to enable full bandwidth utilization.

NEW QUESTION # 28

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

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

Answer: C

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 # 29

How does Nokia's Fabric Services System use a fabric intent to build the DC switch fabric?

- A. It uses a digital sandbox to build the configuration files for the DC fabric.
- **B. It uses a YAML file that defines the intended configuration state of the DC fabric.**
- C. It uses telemetry data to build the configuration files for the DC fabric.
- D. It uses a digital sandbox to connect workloads to the DC fabric.

Answer: B

Explanation:

Nokia's Fabric Services System uses a fabric intent defined in a declarative YAML file to specify the desired state of the data center fabric, which is then used to build and configure the fabric accordingly.

NEW QUESTION # 30

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

- **A. The system-cpu-policer is hardware-based.**
- B. The system-cpu-policer acts on the aggregate traffic from all line cards.
- C. Hierarchical policing of control plane traffic is supported.
- 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 # 31

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