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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 CAN NOT 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

1 Practice exam
Nokia Data Center Fabric Fundamentals - 4A0-D01

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Nokia 4A0-D01 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> 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 2	<ul style="list-style-type: none"> SR Linux User and System Management: This section of the exam measures skills of a Network Automation Specialist and includes managing user roles, TLS configurations for secure communication, and automation features like Zero-Touch Provisioning (ZTP). It covers ZTP setup, configuration processes, and common issues that may arise during deployment.
Topic 3	<ul style="list-style-type: none"> 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.

Nokia Data Center Fabric Fundamentals Exam Sample Questions (Q16-Q21):

NEW QUESTION # 16

Which of the following is NOT a function of Nokia's SR Linux application manager?

- A. It monitors the health of all applications.
- B. It manages the SR Linux and customer-defined applications.
- C. It reads the application's configuration information and starts each application.
- D. It translates the application's YANG model into protobufs for the IDB.**

Answer: D

Explanation:

The SR Linux application manager does not perform the function of translating an application's YANG model into protobufs for the Interface DataBase (IDB). Its primary roles are managing applications, reading their configuration, and monitoring their health.

NEW QUESTION # 17

Which of the following is NOT one of the characteristics of Nokia's SR Linux?

- A. It uses an unmodified Linux kernel that simplifies the use of third party applications.
- B. It uses mature and stable SNMP protocol to access the command line interface.**
- C. It uses a modular, state-driven architecture that gives applications efficient access to system information.
- D. It includes a NetOgs development kit that supports the integration of third-party applications.

Answer: B

Explanation:

Nokia's SR Linux does not rely on the SNMP protocol for accessing the command line interface; instead, it uses modern, programmable interfaces aligned with its modular architecture.

NEW QUESTION # 18

Which of the following statements about the VXLAN tunneling in data centers is FALSE?

- A. VXLAN tunneling is used to provide Layer 2 connectivity between workloads over a common underlay network.
- B. EVPN routes are exchanged between VXLAN tunnel endpoints.
- C. Each VXLAN tunnel endpoint is automatically assigned with a unique VNI value.
- D. VXLAN tunnel endpoints can be on hypervisors, leaf routers, or datacenter gateways.

Answer: C

Explanation:

VXLAN tunnel endpoints (VTEPs) are configured with VNI (VXLAN Network Identifier) values, but these VNIs are not automatically assigned; they must be explicitly configured to define Layer 2 segments.

NEW QUESTION # 19

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

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

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 # 20

Which of the following statements about using BFD with BGP is FALSE?

- A. The BFD endpoints agree on the send/receive rate of control packets.
- B. Using BFD can speed up the BGP advertisement interval.
- C. BGP is notified if several BFD control packets are missed.
- D. It can help rapidly detect link failures.

Answer: B

Explanation:

BFD helps detect link failures rapidly and notifies BGP to trigger route updates quickly, but it does not speed up the BGP advertisement interval itself. BGP advertisement intervals are controlled by BGP timers, not by BFD.

NEW QUESTION # 21

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