

New 4A0-D01 Test Syllabus - 4A0-D01 Certification Practice



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 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.
Topic 2	<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 3	<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 4	<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 5	<ul style="list-style-type: none"> Module 5 – EDA (Event Driven Automation) Introduction

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Nokia Data Center Fabric Fundamentals Exam Sample Questions (Q33-Q38):

NEW QUESTION # 33

Which of the following statements about IP-VRFs in Nokia's SR Linux is FALSE?

- A. An IP-VRF is a Layer 3 network instance.
- B. Multiple servers can be connected to the same subnet in an IP-VRF.
- C. The router maintains a distinct route table for each IP-VRF instance.
- D. Packets in an IP-VRF are forwarded based on the destination IP address.

Answer: B

Explanation:

Multiple servers connected to the same subnet typically reside within the same Layer 2 domain or MAC-VRF. IP-VRFs operate at Layer 3 and segment routing and forwarding by separate routing tables, so multiple servers on the same subnet are not a function of IP-VRF.

NEW QUESTION # 34

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

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

Answer: A

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 # 35

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

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

Answer: A

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 # 36

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

- A. It manages the SR Linux and customer-defined applications.
- B. It reads the application's configuration information and starts each application.
- C. It monitors the health of all applications.
- 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 # 37

Which of the following statements about the YANG model used in Nokia's SR Linux is FALSE?

- A. All configuration and state information is defined as a YANG model.
- B. The YANG model provides a standardized way for applications to retrieve SR Linux configuration and state information.
- C. The YANG model can be converted into other formats such as JSON or XML.
- D. The YANG model uses a tree structure with "leafs" as the branches and "containers" as the data components.

Answer: D

Explanation:

In YANG models, "leafs" are the data nodes (not branches), and "containers" group related data nodes. The statement incorrectly reverses their roles by calling leafs branches and containers data components.

NEW QUESTION # 38

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