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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	<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 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 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 4	<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.

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Nokia Data Center Fabric Fundamentals Exam Sample Questions (Q19-Q24):

NEW QUESTION # 19

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

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

Answer: D

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 # 20

Which of the following statements about the CLI modes in Nokia's SR Linux is FALSE?

- A. The running mode is used to make configuration changes.
- B. The state mode displays the current configuration and operational information.
- C. Users can switch from one mode to another using the enter command.
- D. The show mode uses pre-defined reports to display operational information.

Answer: C

Explanation:

In Nokia SR Linux, users switch between CLI modes using specific commands like configure or exit, not an enter command. The

enter command is not used for mode switching.

NEW QUESTION # 21

When autoboot flag is set in grub.cfg, which of the following is NOT performed as part of the Zero Touch Provisioning (ZTP) autoboot process?

- A. Uses the DHCP server to provide the IP address and default gateway
- B. Uses the Web or FTP server to provide the RPM packages and any necessary images
- C. Downloads and executes provisioning scripts
- D. Uses Nokia's Fabric Services System to deploy the digital sandbox automatically

Answer: D

Explanation:

The ZTP autoboot process does not automatically use Nokia's Fabric Services System to deploy the digital sandbox; it focuses on network boot, DHCP IP assignment, and downloading/executing provisioning scripts from web or FTP servers.

NEW QUESTION # 22

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

- A. It uses a digital sandbox to connect workloads to 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 build the configuration files for 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 # 23

Which of the following statements about the MAC table shown in the exhibit output is FALSE?

□

- A. [interface ethernet-1/10 is configured with the MAC address 00:25:BA:00:00:10.
- B. The MAC address 00:25: BA:00:00:10 is learnt on more than one interface.
- C. The MAC re-learning rate has exceeded the threshold within the specified time frame.
- D. Mac-duplication detection is enabled in mac-vrf-1.

Answer: B

Explanation:

The MAC address 00:25:BA:00:00:10 is listed as "duplicate," but it appears only once associated with interface ethernet-1/10. Therefore, it is not learned on more than one interface.

NEW QUESTION # 24

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