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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">• 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">• Module 5 – EDA (Event Driven Automation) Introduction

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 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 (Q17-Q22):

NEW QUESTION # 17

Examine the exhibit. Which of the following statements is TRUE?

A:dc-leaf-1# show route-table ipv4-unicast summary								
IPv4 Unicast route table of network instance default								
Prefix	ID	Active	Owner	Metric	Pref	Next-hop (Type)		Next-hop Interface
192.168.20.0/30	0	true	static	1	5	10.1.1.0 (indirect)		None
						10.2.1.0 (indirect)		None

- A. The next-hop group for this static route is configured with two next-hops.
- B. The next-hop selected for this route will be based on the preference value configured for each next-hop.
- C. A recursive lookup is performed to resolve 10.1.1.0 to use 10.2.1.0.
- D. A recursive lookup is performed to resolve 10.2.1.0 to use 10.1.1.0.

Answer: A

Explanation:

The static route shows two next-hop IP addresses (10.1.1.0 and 10.2.1.0) listed, indicating that a next-hop group with multiple next-hops is configured for load balancing or redundancy.

NEW QUESTION # 18

Which of the following statements about multi-homing in EVPN is FALSE?

- A. Type 4 Ethernet Segment (ES) EVPN route is used for designated forwarder (DF) election for an ES.
- B. Type 1 Ethernet Auto-Discovery (A-D) EVPN route is used to support EVPN multi-homing.

- C. The Ethernet Segment (ES) identifies a set of links that connects a host to one or more leafs.
- **D. The ES identifier (ESI) uniquely identifies an ES and it is locally significant for a particular leaf.**

Answer: D

Explanation:

The Ethernet Segment Identifier (ESI) uniquely identifies an Ethernet Segment (ES) globally across the EVPN domain, not just locally for a particular leaf.

NEW QUESTION # 19

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

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

Answer: A

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 # 20

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. The next-hop for a next-hop-group must be a local IP address.
- D. A next-hop-group can only specify one next-hop for forwarding

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 # 21

Which of the following is NOT how prefixes are typically learned and advertised in a leaf and spine data center?

- A. Spine routers learn prefixes from leaf routers directly using eBGP.
- B. Spine routers advertise learned prefixes to leaf routers directly using eBGP.
- **C. Each leaf router learns the prefixes of remote servers from other leaf routers directly using eBGP.**
- D. Each leaf router advertises the prefixes of its own locally connected servers.

Answer: C

Explanation:

Leaf routers do not learn prefixes from other leaf routers directly using eBGP; instead, leaf routers learn remote prefixes via spine routers. The spine acts as the route reflector or intermediary between leaf routers.

NEW QUESTION # 22

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