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Nokia 4A0-D01 Exam Syllabus Topics:

Topic	Details
Topic 1	Module 5 – EDA (Event Driven Automation) Introduction
Topic 2	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 3	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	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	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.

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Nokia Data Center Fabric Fundamentals Exam Sample Questions (Q28-Q33):

NEW QUESTION # 28

Which of the following is NOT one of the reasons why BGP is used as the routing protocol in the data center?

- A. It is a well understood and mature routing protocol.
- B. BGP neighbors automatically discover each other.
- C. It supports both IPv4 and IPv6.
- D. It is more efficient than link-state protocols like IS-IS and OSPF.

Answer: D

Explanation:

BGP is not chosen because it is more efficient than link-state protocols; in fact, link-state protocols like IS-IS and OSPF generally provide faster convergence and more efficient route calculation. BGP is used in data centers mainly because it is mature, well understood, supports both IPv4 and IPv6, and offers flexible policy control.

NEW QUESTION # 29

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. The ES identifier (ESI) uniquely identifies an ES and it is locally significant for a particular leaf.
- C. Type 1 Ethernet Auto-Discovery (A-D) EVPN route is used to support EVPN multi-homing.
- D. The Ethernet Segment (ES) identifies a set of links that connects a host to one or more leafs.

Answer: B

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 # 30

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

```

A:dc-leaf-1# show network-instance mac-vrf-1 bridge-table mac-table all
+-----+-----+-----+-----+-----+-----+-----+
| address | Destination | Dest | Type | Active | Aging | Last Update |
|-----|-----|-----|-----|-----|-----|-----|
| 00:02:01:FF:00:41 | irb-interface | 0 | irb- | true | N/A | 2021-12-08T21:10:17.000Z |
| | | | interface | | | |
| 00:25:BA:00:00:10 | ethernet-1/10.0 | 3 | duplicate | true | N/A | 2021-12-10T20:41:22.000Z |
| 00:25:BA:00:00:11 | ethernet-1/11.0 | 4 | learnt | true | 290 | 2021-12-10T19:41:07.000Z |
+-----+-----+-----+-----+-----+-----+-----+
Total Irb Macs : 1 Total 1 Active
Total Static Macs : 0 Total 0 Active
Total Duplicate Macs : 1 Total 1 Active
Total Learnt Macs : 1 Total 1 Active
Total Macs : 3 Total 3 Active

```

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

Answer: A

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 # 31

Which of the following is NOT part of Day 2+ operations with Nokia's Fabric Services System?

- A. Use the digital sandbox to test and validate configuration changes and upgrades.
- B. Monitor the data center fabric using model-driven telemetry.
- C. Use a fabric intent to build and validate design templates.
- D. Analyze the overall health of the data center fabric for proactive operations.

Answer: C

Explanation:

Using a fabric intent to build and validate design templates is primarily a Day 0 or Day 1 activity focused on initial fabric deployment and design, not part of Day 2+ operational tasks like monitoring, health analysis, or change validation.

NEW QUESTION # 32

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

Answer: A

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 # 33

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