

The Key to Success: Proper Planning and the Right Nokia 4A0-D01 Exam Questions



Practice Exam Questions for: Nokia IP Networks and Services Fundamentals (exam number: 4A0-100)

The following questions will test your knowledge and prepare you for the Nokia NRS I Certification Exam. Compare your responses with the Answer Key at the end of the document.

Module 1: Introduction to Networking and Services

1. Which TCP/IP layer is responsible for path determination and end-to-end forwarding of datagrams?
 - a. The Application layer
 - b. The Transport layer
 - c. The Internet layer
 - d. The Link layer
2. What information is part of the encapsulation done at the Link layer?
 - a. Source and destination MAC addresses
 - b. Source and destination IP addresses
 - c. Source and destination port numbers
 - d. Source and destination email addresses
3. Which of the following is NOT a function of the control plane in a router?
 - a. To exchange control messages with other routers
 - b. To collaborate with other routers to find the best way to forward data packets
 - c. To populate the routing table and the tunnel table
 - d. To forward data packets towards their destination

Module 2: Introduction to the 7750 Service Router

4. Which of the following shows a typical data packet flow when egressing a Nokia 7750 SR?
 - a. SF/CPM -> MQA -> IOM -> SFP
 - b. SF/CPM -> SFP -> IOM -> MQA
 - c. SF/CPM -> IOM -> MQA -> SFP
 - d. MQA -> IOM -> SF/CPM -> SFP

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Nokia 4A0-D01 Exam Syllabus Topics:

Topic	Details
Topic 1	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	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 3	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 4	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	Module 5 – EDA (Event Driven Automation) Introduction

Nokia Data Center Fabric Fundamentals Exam Sample Questions (Q12-Q17):

NEW QUESTION # 12

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

- A. BGP neighbors automatically discover each other.
- B. It supports both IPv4 and IPv6.
- C. It is a well understood and mature routing protocol.
- 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 # 13

Based on the exhibit output, which of the following statements is TRUE?

```

A dc-leaf-2# tools system traffic-monitor protocol icmp
:
1      0.000000000    ethernet-1/10.0 192.168.201.2 192.168.101.2 ICMP 146 Echo (ping) request id=0x4d00, seq=0/0, ttl=64
2      0.999071319    ethernet-1/10.0 192.168.201.2 192.168.101.2 ICMP 146 Echo (ping) request id=0x4d00, seq=1/256,
ttl=64
3      0.999091850    ethernet-1/2.0 192.168.101.2 192.168.201.2 ICMP 146 Echo (ping) reply id=0x4d00, seq=1/256,
ttl=62 (request in 2)
4      1.998173614    ethernet-1/10.0 192.168.201.2 192.168.101.2 ICMP 146 Echo (ping) request id=0x4d00, seq=2/512,
ttl=64
5      1.999246136    ethernet-1/2.0 192.168.101.2 192.168.201.2 ICMP 146 Echo (ping) reply id=0x4d00, seq=2/512,
ttl=62 (request in 4)
:
:

```

- A. capture-filter is configured to copy ICMP packets to the CPM where they are processed by the tcpdump-like utility.
- B. A cpm-filter policer is configured to rate limit ICMP packets, which are then captured in a log file.
- C. An ACL filter is configured to accept ICMP packets, which are then processed by the tcpdump-like utility.
- D. A cpm-filter is configured to accept ICMP packets, which are then captured in a log file.

Answer: A

Explanation:

The exhibit shows ICMP packets being captured and displayed by a tcpdump-like utility, which indicates that a capture-filter is configured to copy ICMP packets to the Control Plane Manager (CPM) where they are processed and monitored.

NEW QUESTION # 14

Which of the following Nokia's SR Linux ACLs is instantiated on all line cards to copy incoming packets to the CPM?

- A. Egress ACL
- B. Ingress ACL
- C. Capture-filter ACL
- D. CPM-filter ACL

Answer: D

Explanation:

The CPM-filter ACL is instantiated on all line cards in Nokia's SR Linux to copy incoming packets to the Control Plane Manager (CPM) for processing.

NEW QUESTION # 15

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 Web or FTP server to provide the RPM packages and any necessary images
- B. Uses the DHCP server to provide the IP address and default gateway
- 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 # 16

Which of the following statements about SR Linux interfaces is FALSE?

- A. Network interfaces are associated with physical ports on the linecards.
- B. The loopback interface is a physical interface directly connected to another interface on the same chassis.
- C. Layer 2 parameters such as MTU are configured at the SR Linux interface level while Layer 3 parameters are configured at the subinterface level.
- D. Only one management interface is allowed.

Answer: B

Explanation:

The loopback interface in SR Linux is a logical, virtual interface used for management and routing purposes; it is not a physical interface directly connected to another interface on the same chassis.

NEW QUESTION # 17

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