

# Pass Guaranteed Quiz 2025 4A0-100: Accurate Nokia IP Networks and Services Fundamentals Pass Test Guide



## 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 -> MDA -> IOM -> SFP
  - b. SF/CPM -> SFP -> IOM -> MDA
  - c. SF/CPM -> IOM -> MDA -> SFP
  - d. MDA -> IOM -> SF/CPM -> SFP

1 Practice exam  
Nokia IP Networks and Services Fundamentals - 4A0-100

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The Alcatel-Lucent 4A0-100 exam covers a wide range of topics, including IP routing protocols, MPLS, BGP, OSPF, IS-IS, VPN technologies, QoS, network security, and high availability. 4A0-100 exam is divided into multiple-choice questions and simulations that test the candidates' ability to solve real-world problems related to network design and troubleshooting. The Alcatel-Lucent 4A0-100 certification is highly valued in the industry, as it demonstrates the candidate's expertise in designing, implementing, and managing complex IP networks.

Alcatel-Lucent 4A0-100 exam is a valuable certification for networking professionals who want to enhance their skills in building and maintaining scalable IP networks. Nokia IP Networks and Services Fundamentals certification validates the candidate's knowledge of the Alcatel-Lucent Service Router Operating System (SROS) and its applications, as well as their ability to configure and troubleshoot IP-related issues. 4A0-100 Exam is ideal for network engineers, architects, and administrators who want to advance their careers and take on more challenging roles in their organizations.

To prepare for the Alcatel-Lucent 4A0-100 exam, candidates should have a strong foundation in networking concepts and protocols, as well as experience working with Alcatel-Lucent routers and switches. There are many resources available to help candidates prepare for the exam, including study guides, practice exams, and online training courses.

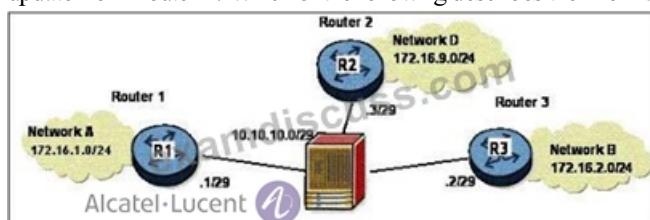
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### Alcatel-Lucent Nokia IP Networks and Services Fundamentals Sample Questions (Q135-Q140):

#### NEW QUESTION # 135

Based on the network diagram (click the Exhibit Button). Router 1 installs network D in its routing table following a dynamic routing update from Router 2. Which of the following describes the information that will be installed in the routing table?



- A. 0.0.0.0/32 next-hop 172.16.9.1
- B. 172.16.9.0.24 next-hop 10.10.10.3
- C. 172.16.9.0/24 next-hop 10.10.10.2
- D. 172.16.9.0/24 next-hop 10.10.10.1

Answer: B

#### NEW QUESTION # 136

Which of the following describes an IP filter on the Nokia 7750 SR?

- A. An IP filter is used to discard packets with checksum errors.
- B. An IP filter can allow IP packets into a network or deny IP packets from entering a network.
- C. Once an IP filter is applied, it cannot be modified.
- D. Multiple ingress and egress filter policies can be applied to a network interface.

Answer: B

Explanation:

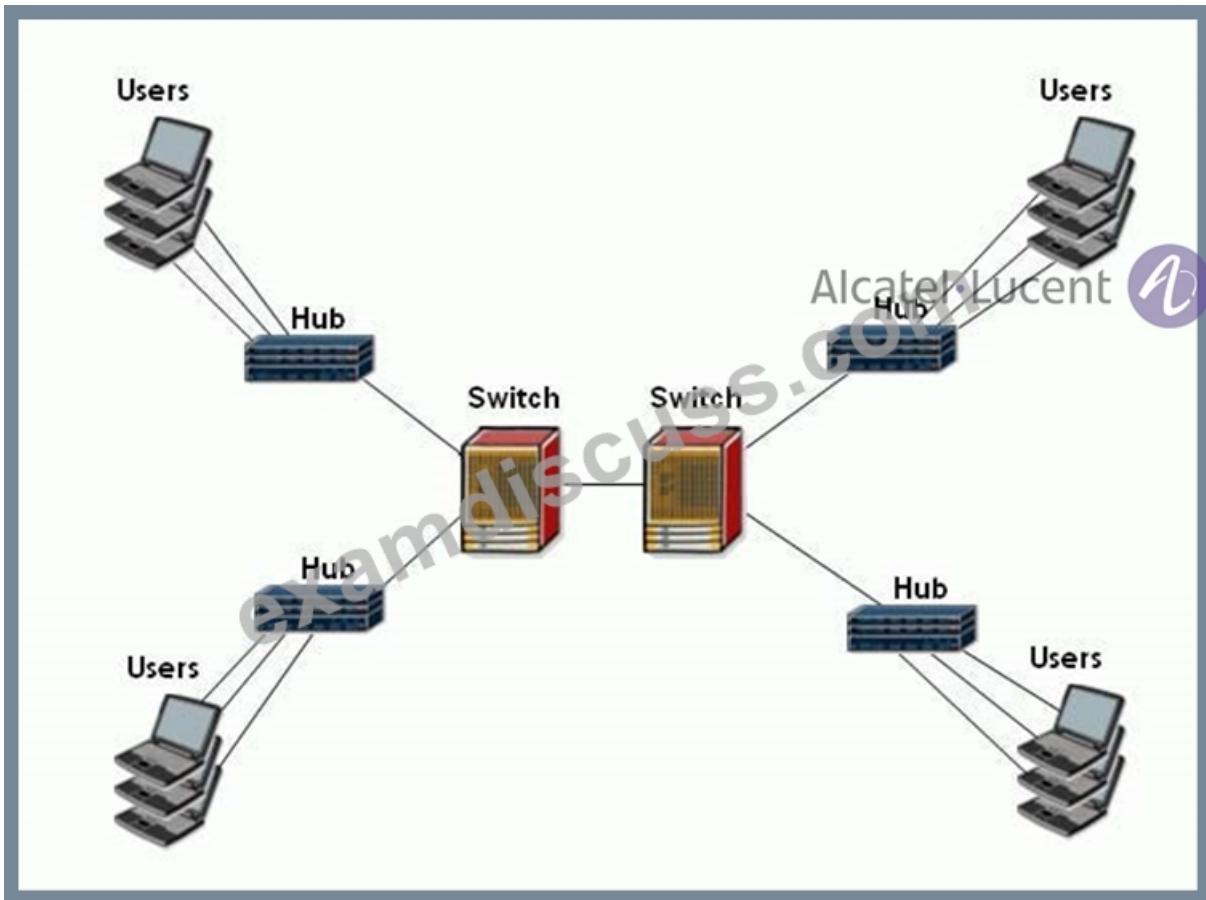
Section: Volume B

#### NEW QUESTION # 137

(Click the Exhibit Button below) An Ethernet Local Area Network (LAN) consists of the following components:

Four 24-port hubs & Two 16-port switches

How many broadcast domains are on this LAN?



- A. 0
- B. 1
- C. 2
- D. 3

**Answer: C**

#### NEW QUESTION # 138

Which of the following is NOT a characteristic of a Virtual Private Network (VPN)?

- A. Service providers utilize a shared infrastructure to support multiple VPNs.
- B. **Customer data is altered as it traverses a VPN.**
- C. Each customer's traffic is isolated from other customers.
- D. A VPN is created specifically to meet the requirements of each customer.

**Answer: B**

Explanation:

A Virtual Private Network (VPN) is designed to provide secure and private communication over a shared or public infrastructure.

Key characteristics of VPNs include:

- \* **Traffic Isolation:** Each customer's traffic is kept separate from others, ensuring privacy and security.
- \* **Shared Infrastructure:** Service providers can support multiple VPNs over the same physical infrastructure, optimizing resource utilization.
- \* **Customization:** VPNs can be tailored to meet the specific requirements of individual customers, including security policies, routing, and quality of service.

However, customer data is not altered as it traverses a VPN. Instead, VPNs employ encryption and tunneling protocols to protect data integrity and confidentiality during transmission. The primary goal is to ensure that data remains unchanged and secure from end to end.

Reference: Nokia IP Networks and Services Study Guide - Chapter on VPN Services

## NEW QUESTION # 139

Which tier of Internet service providers provides transit services to other ISPs?

- A. Tier 2 and Tier 3 ISPs
- B. **Tier 1 and Tier 3 ISPs**
- C. Tier 1 and Tier 2 ISPs
- D. Tier 3 ISP

**Answer: B**

Explanation:

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## NEW QUESTION # 140

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