

# Free PDF Nokia - 4A0-113–Efficient Latest Learning Material



## Practice Exam Questions for: Nokia OSPF Routing Protocol (exam number: 4A0-113)

The following questions will test your knowledge and prepare you for the Nokia OSPF Routing Protocol written exam. Compare your responses with the Answer Key at the end of the document.

1. Which of the following statements about the output in the exhibit is FALSE?

show ip route				
All routes (above routes, unreach)				
Distance Table (Protocol: Direct)				
Distance-Name	Age	Ip/route	Mode	Next/Hop/Interface
egress	0g	Ip/route	Network	2001:db8:1:100:1/128
code	0g	Ip/route	Network	2001:db8:1:100:1/128
code	0g	Ip/route	Network	2001:db8:1:100:1/84
code	0g	Ip/route	Network	2001:db8:1:100:1/64
code	0g	Ip/route	Network	2001:db8:1:100:1/32
code	0g	Ip/route	Network	2001:db8:1:100:1/0

- a. The system interface is configured with IPv6 address 2001:db8:1:100:1/128.
- b. All interfaces are configured for IPv4 and IPv6.
- c. Interface "toR2" is configured with a global unicast IPv6 address.
- d. Interface "toR3" is not configured with a global unicast IPv6 address.

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PassTorrent has designed highly effective Nokia 4A0-113 exam questions and an online 4A0-113 practice test engine to help candidates successfully clear the Nokia OSPF Routing Protocol Exam exam. These two simple, easy, and accessible learning formats instill confidence in candidates and enable them to learn all the basic and advanced concepts required to pass the Nokia OSPF Routing Protocol Exam (4A0-113) Exam.

Nokia OSPF Routing Protocol is a widely used interior gateway protocol that provides efficient and scalable routing in large-scale networks. The protocol supports multiple network topologies and provides fast convergence in case of route failures. Nokia OSPF also supports advanced features such as route summarization, authentication, and virtual links.

OSPF is a widely used routing protocol that enables efficient and scalable routing in IP networks. It is an interior gateway protocol (IGP) that is used to distribute routing information within a single autonomous system (AS). Nokia is one of the leading providers of networking equipment, and their routers support OSPF as a routing protocol.

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Nokia 4A0-113 Certification Exam is a comprehensive exam designed to assess the knowledge and skills of networking professionals in Nokia's OSPF routing protocol. 4A0-113 Exam is designed to test the candidates' understanding of the OSPF protocol and their ability to configure and troubleshoot OSPF networks.

## Nokia OSPF Routing Protocol Exam Sample Questions (Q105-Q110):

### NEW QUESTION # 105

Which of the following correctly lists the 5 OSPF packet types?

- A. Hello, link state refresh, link state update, link state acknowledgement, link state authentication.
- B. Hello, link state update, link state request, link state acknowledgement, database description.**
- C. Hello, link state update, link state packet, link state acknowledgement, database description.
- D. Link state update, link state refresh, link state acknowledgement, database description, notification.

**Answer: B**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

From Nokia 7750 SR OS OSPF Guide - OSPF Packet Formats Section:

"The five OSPF packet types are: Hello, Database Description, Link State Request, Link State Update, Link State Acknowledgement." Thus, the correct list is:

Hello

Database Description

Link State Request

Link State Update

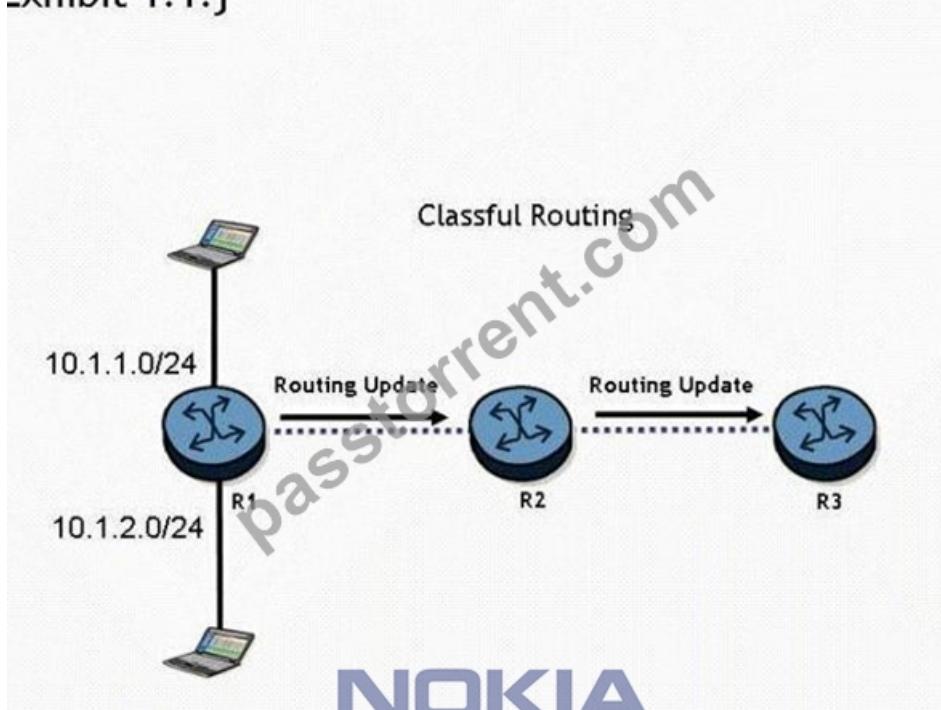
Link State Acknowledgement

Which corresponds to option D.

### NEW QUESTION # 106

Click the exhibit button.

**EXHIBIT 1.1.1**



Routers R1, R2, and R3 are running a classful routing protocol between them. Assuming that router R1 advertises all directly connected networks, how will these networks be represented in router R3's routing table?

- A. Router R3's routing table will have one entry for 10.1.1.0/24 and one entry for 10.1.2.0/24.
- B. Router R3's routing table can only contain one of the routes, which will result in route flapping.
- C. The networks will be represented with one entry of 10.0.0.0/24 in router R3's route table.
- D. The networks will be represented with one entry of 10.0.0.0/8 in router R3's routing table.

**Answer: D**

Explanation:

According to the official Nokia exam prep documentation for classful routing logic (mirrored in the Nokia 4A0#101 study guide), routers R1, R2, and R3 run a classful routing protocol. When R1 advertises its directly connected subnets 10.1.1.0/24 and 10.1.2.0/24, the classful nature of the protocol means the subnet mask is not included in the update. The entire classful network portion is advertised instead. Since both your /24s fall within the same Class A network (10.0.0.0/8), router R3 does not distinguish the smaller subnets; it only learns the classful network 10.0.0.0/8.

From the guide:

"Routers R1, R2, and R3 are running a classful routing protocol. Router R1 advertises the directly connected networks 10.1.1.0/24 and 10.1.2.0/24. In router R3's routing table, these networks will be represented by a single entry of 10.0.0.0/8."

**NEW QUESTION # 107**

Which of the following statements describe the major features of OSPF? Choose two answers.

- A. Cut through forwarding
- B. Traffic engineering extensions
- C. Route redistribution
- D. Fast reroute capability
- E. Control traffic prioritization

**Answer: B,C**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

From Nokia 7750 SR OS Routing Protocols Guide (OSPF Features Summary and Extensions):

C (Correct):

"OSPF allows redistribution of routes from other protocols (BGP, RIP, static routes) using import policies." D (Correct):

"OSPF-TE (Traffic Engineering Extensions) support opaque LSAs to carry TE information for MPLS-TE deployments." Incorrect options:

A: Fast reroute (FRR) is an MPLS feature, not native to OSPF.

B: OSPF does not prioritize control traffic natively.

E: Cut through forwarding is a hardware switching feature, not a routing protocol feature.

**NEW QUESTION # 108**

How many databases does a Link State routing protocol use?

- A. Three
- B. Two
- C. One
- D. Four

**Answer: A**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

From Nokia 7750 SR OS Routing Protocols Guide (OSPF/IS-IS Database Architecture):

A link-state routing protocol maintains 3 key databases:

Neighbor (Adjacency) Database

Link-State Database (LSDB)

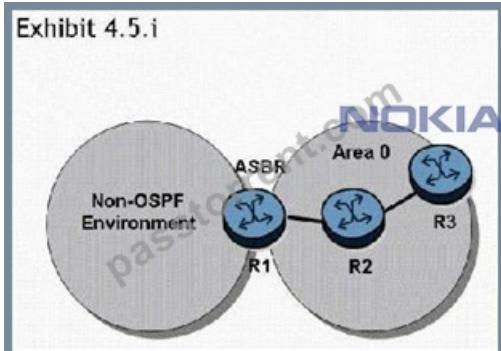
Routing Information Base (RIB)

Thus, correct answer is C.

## NEW QUESTION # 109

Click the exhibit button.

#### Exhibit 4.5.i



In the topology shown, router R1 is an ASBR configured to export external routes to OSPF. How many type 4 LSAs will be present in the network?

- A. One.
- B. Type 4 LSAs are not generated in this network topology.
- C. One for each of the external routes exported by router R1.
- D. One for each of the routers in area 0

**Answer: B**

## NEW QUESTION # 110

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