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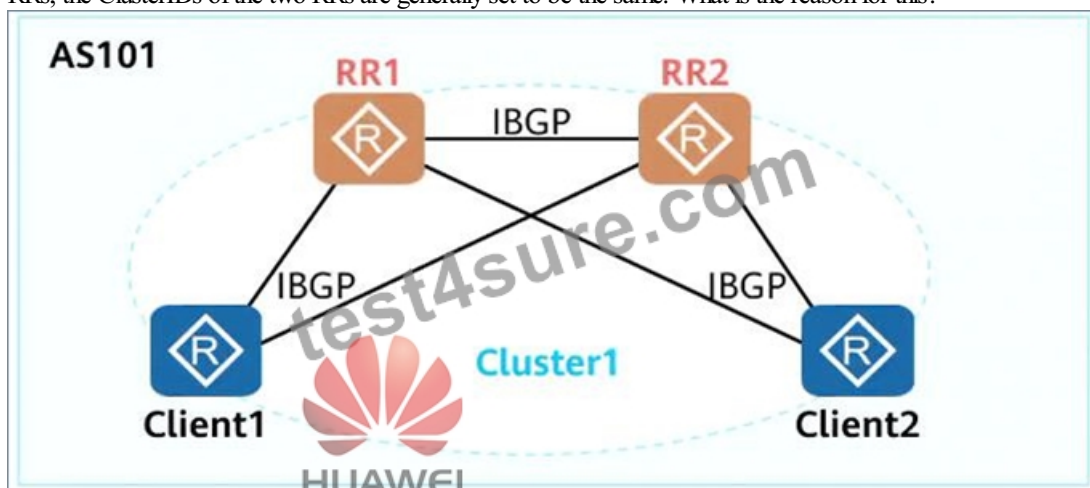
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Huawei HCIP-Datacom-Advanced Routing & Switching Technology V1.0 Sample Questions (Q57-Q62):

NEW QUESTION # 57

As shown in the figure, in a medium-sized network, BGP generally deploys dual RRs to improve R reliability. When deploying dual RRs, the ClusterIDs of the two RRs are generally set to be the same. What is the reason for this?



- A. prevent suboptimal
- **B. Prevent RR from receiving too many routes and causing insufficient memory**
- C. prevent loops
- D. Prevent the client from receiving too many routes and causing it to run out of memory

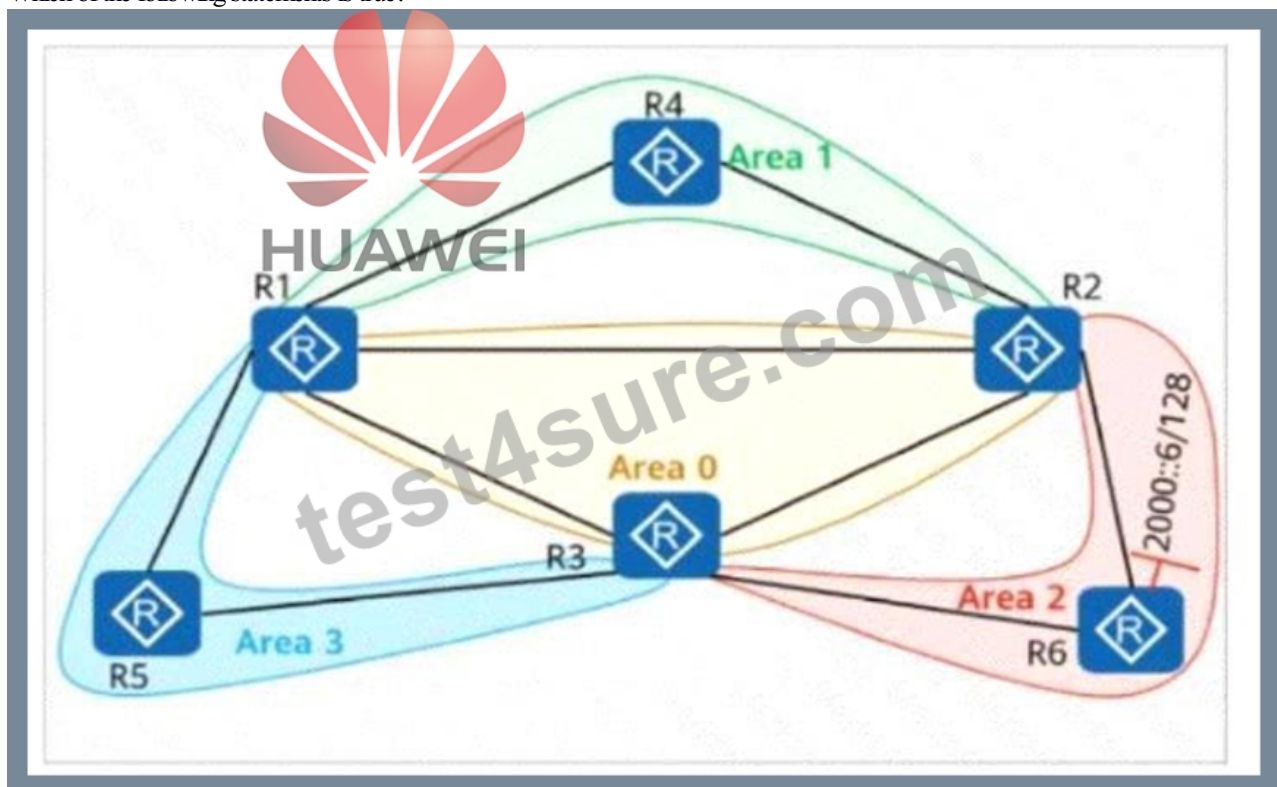
Answer: B

NEW QUESTION # 58

On the OSPFv3 network shown in the figure:

- * Area 1 is a stub area, Area 2 is a common area, and Area 3 is an NSSA (Not-So-Stubby Area).
- * The IPv6 address of Loopback0 on R6 is 2000::6/128.
- * The router ID of each router is 10.0.X.X, where X is the router number.
- * The stub no-summary command is configured in Area 1 on R2.

Which of the following statements is true?



- A. The LSDB of R4 contains the Inter-Area-Prefix-LSA that is generated by R1 and describes 2000::6/128.
- **B. The routing table of R4 does not contain the route 2000::6/128.**
- C. The path for data packets from R4 to 2000::6 is R4 -> R1 -> R5 -> R3 -> R6.
- D. The path for data packets from R4 to 2000::6 is R4 -> R2 -> R6.

Answer: B

Explanation:

Comprehensive and Detailed In-Depth Explanation:

Understanding OSPFv3 Areas and Routing Behavior

* OSPFv3 Area Types in the Network:

* Area 1 (Stub Area): Does not accept external LSAs (Type 5) but can receive Inter-Area-Prefix- LSAs (Type 3).

* Area 2 (Common Area): Fully functional area that allows both Type 3 (Inter-Area) and Type 5 (External) LSAs.

* Area 3 (NSSA - Not-So-Stubby Area): Does not accept Type 5 (External) LSAs but allows ASBRs to inject external routes using Type 7 LSAs, which are later converted to Type 5 in other areas.

* Effect of stub no-summary Command on Area 1 (Configured on R2):

* This command prevents Type 3 LSAs from entering Area 1, meaning R4 will not learn about 2000::6/128 from other areas.

* R4 only has a default route (::0) provided by R2 but not individual routes like 2000::6/128.

Route and Packet Flow Analysis

A: "The LSDB of R4 contains the Inter-Area-Prefix-LSA that is generated by R1 and describes 2000::6/128." # (False)

* R4 is in Area 1 (a totally stub area), which does not receive Type 3 LSAs.

* Since 2000::6/128 is an external route from Area 2, it will not be present in R4's LSDB.

* Thus, R4 does NOT have the Inter-Area-Prefix-LSA for 2000::6/128.

Statement A is incorrect.

B: "The path for data packets from R4 to 2000::6 is R4 -> R1 -> R5 -> R3 -> R6." # (False)

* R4 is in a totally stub area (Area 1), and it does not have a specific route for 2000::6/128.

* It only has a default route (::0) pointing to R2.

* If R4 forwards traffic, it will send it to R2, NOT via R1, R5, and R3.

Statement B is incorrect.

C: "The routing table of R4 does not contain the route 2000::6/128." # (True - Correct Answer)

* R4 is in a totally stub area (Area 1), meaning it only receives a default route from R2 (::0).

* It does NOT receive specific routes like 2000::6/128.

Statement C is correct.

D: "The path for data packets from R4 to 2000::6 is R4 -> R2 -> R6." # (False)

* While R4 does forward all unknown traffic to R2 (due to the default route), R2 will NOT directly forward to R6.

* R2 is an ABR (Area Border Router), and the actual path to 2000::6 must traverse Area 2, likely through other routers.

Statement D is incorrect.

Final Conclusion:

C. The routing table of R4 does not contain the route 2000::6/128.

Thus, the correct answer is: C. The routing table of R4 does not contain the route 2000::6/128.

NEW QUESTION # 59

A network engineer checks LLDP neighbor information on R1. The output is shown below.

Which of the following statements are true?

LLDP Output:

yaml

CopyEdit

<R1> display lldp neighbor interface GE0/0/0

GE0/0/0 has 1 neighbor(s):

Neighbor index: 1

Chassis type: MAC Address

Chassis ID: faed-ad04-0010

Port ID subtype: Interface Name

Port ID: GE0/0/0

System name: R2

System description: Huawei YunShan OS

Version 1.22.01 (AR8000 V100R002C200)

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HUAWEI AR8140-12G10XG

System capabilities supported: bridge router

System capabilities enabled: bridge router

Management address type: IPv4

Management address: 192.168.1.1

Expired time: 107s

- A. The management IP address of the peer device is 192.168.1.1.
- B. The interface number of the peer device is GE0/0/0.
- C. The sysname of the peer device is R2.
- D. The VLAN ID of the peer device is 1.

Answer: A,B,C

Explanation:

Comprehensive and Detailed In-Depth Explanation:

The Link Layer Discovery Protocol (LLDP) is used for discovering neighboring devices. The given LLDP output contains key details about the neighboring device (R2), including its system name, interface, and management IP address. Let's analyze each option carefully:

- * Option A: "The sysname of the peer device is R2." # Correct
 - * The output clearly shows System name: R2, which confirms that the neighbor's system name is indeed R2.
 - * Option B: "The interface number of the peer device is GE0/0/0." # Correct
 - * The Port ID in the LLDP output is GE0/0/0, which matches the statement in Option B.
 - * Option C: "The VLAN ID of the peer device is 1." # Incorrect
 - * The given LLDP output does not mention any VLAN ID information. Therefore, this option is false.
 - * Option D: "The management IP address of the peer device is 192.168.1.1." # Correct
 - * The Management address field in the LLDP output confirms the IP address as 192.168.1.1, making this statement true.
- HCIP-Datcom-Advanced Routing & Switching Technology References:
- * Huawei HCIP-Datcom Official Certification Guide, Chapter on LLDP and Network Device Discovery.
 - * HCIA/HCIP Datcom Training Materials - LLDP Neighbor Discovery Commands.
 - * Huawei Datcom Configuration Guide - Section on display lldp neighbor interface.

NEW QUESTION # 60

As shown in the figure, which of the following statement is correct? (Multiple choice)

<R1>display ospf lsdb

OSPF Process 1 with Router ID 172.16.1.1

Link State Database

Area: 0.0.0.0

Type	LinkState ID	AdvRouter	Age	Len	Sequence	Metric
Router	172.16.1.3	172.16.1.3	216	60	80000009	1
Router	172.16.1.2	172.16.1.2	214	60	80000008	2
Router	172.16.1.1	172.16.1.1	217	60	80000007	2
Router	172.16.1.4	172.16.1.4	209	60	80000009	1
Network	10.1.24.2	172.16.1.4	209	32	80000002	0
Network	10.1.13.2	172.16.1.3	218	32	80000001	0
Network	10.1.12.2	172.16.1.2	218	32	80000001	0
Network	10.1.34.2	172.16.1.4	209	32	80000002	0

- A. There are 8 routers in area 0
- B. There are 8 MA networks in area 0
- C. There are 4 routers in area 0
- D. There are 4 MA networks in area 0

Answer: C,D

NEW QUESTION # 61

Senior engineers with rich experience can quickly solve faults only by relying on experience, and the efficiency is very high.

- A. FALSE
- B. TRUE

Answer: B

NEW QUESTION # 62

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