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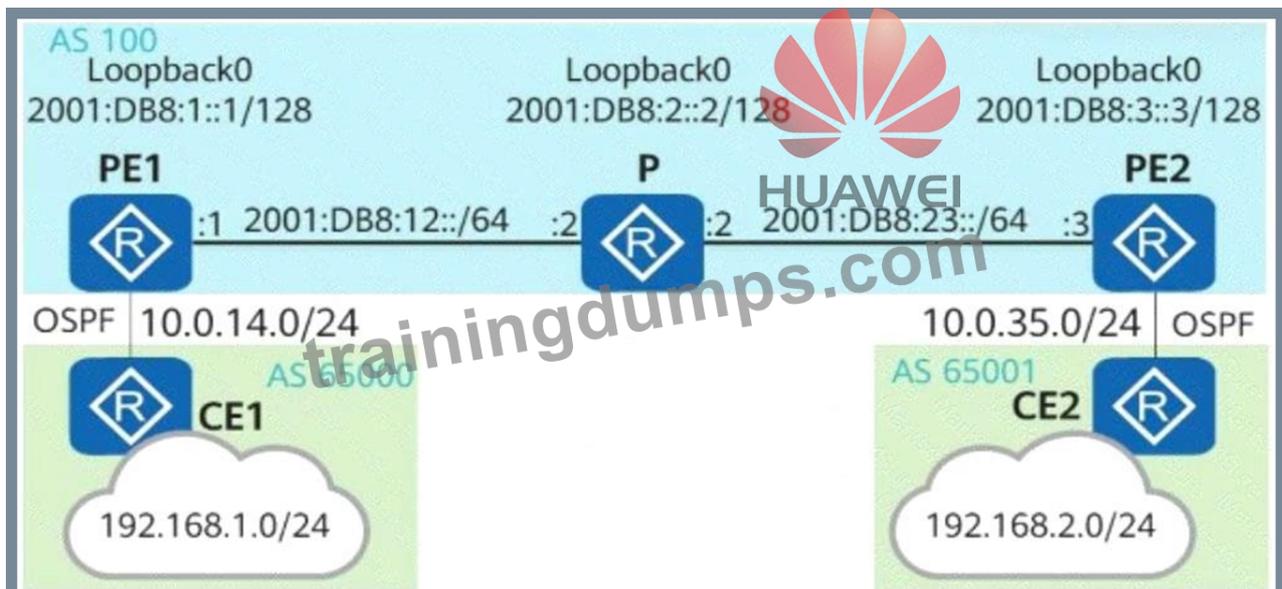**>> New H12-891_V1.0 Exam Objectives <<**

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Huawei HCIE-Datacom V1.0 Sample Questions (Q158-Q163):

NEW QUESTION # 158
The figure shows an L3VPN over an SRv6 BE (Best Effort) network. According to the information displayed on PE2, which of the following statements is incorrect?

```
<PE2>dis bgp vpnv4 all routing-table 192.168.1.0

BGP local router ID : 1.0.0.11
Local AS number : 65001

Total routes of Route Distinguisher(100:20): 1
BGP routing table entry information of 192.168.1.0/24:
From: 2001:DB8:2::2(1.0.0.6)
Route Duration: 0d00h00m44s
Original nexthop: 2001:DB8:1::1
Qos information : 0x0
Ext-Community: RT <100 : 1020>
Prefix-sid: FC00:2::1:79
AS-path Nil, origin incomplete, MED 0 best, select, pre 255, IGP cost 20
Local path-id: 0
Received path-id: 1
Originator: 1.0.0.2
Cluster list: 1.0.0.6
Not advertised to any peer yet
```

- A. An IBGP peer relationship is established between PE2 and PE1, and PE2 learns the route to 192.168.1.0 /24 over an IBGP peer relationship.
- B. The instruction type corresponding to FO00:2 :: 1:79 is End.DT4.
- C. The router ID of the BGP process on the P is 1.0.0.6.
- D. PE2 imports the route 192.168.1.0/24 through the import-route command.

Answer: C

Explanation:
Understanding L3VPN over SRv6 BE Networks
What is L3VPN over SRv6?
* Layer 3 VPN (L3VPN) allows multiple private routing domains to operate over a shared service provider backbone.
* SRv6 (Segment Routing over IPv6) replaces traditional MPLS labels with IPv6 Segment Identifiers (SIDs).
* Best Effort (BE) mode means that no explicit Traffic Engineering (TE) constraints are applied.
How Routing Works in This Scenario
Key Components in the Network:

* PE1 & PE2 (Provider Edge routers): Connect customer networks (CE1 & CE2).
* P Router (Core Router): Provides transit between PE routers over SRv6.
* SRv6 SID FC00:2::1:79: Used for VPN routing at PE2 (End.DT4 function).
Step-by-Step Route Learning Process:
1## PE1 advertises the 192.168.1.0/24 VPN route to PE2 using iBGP VPNv4.2## PE2 receives the route with next-hop
2001:DB8:1::1 (PE1).3## PE2 installs the route with the SRv6 Prefix-SID FC00:2::1:79 (End.DT4).4## The route is imported into
the VRF using the import-route command.
Analysis of Each Answer Choice
A. An IBGP peer relationship is established between PE2 and PE1, and PE2 learns the route to
192.168.1.0/24 over an IBGP peer relationship.
* Correct: The routing table output confirms that PE2 receives the route via iBGP from PE1.
# B. The instruction type corresponding to FC00:2::1:79 is End.DT4.
* Correct:
* End.DT4 is an SRv6 function that represents a Layer 3 VPN endpoint (VRF routing).
* PE2 uses End.DT4 to process VPN traffic for 192.168.1.0/24.
# C. PE2 imports the route 192.168.1.0/24 through the import-route command.
* Correct:
* The import-route command allows BGP-learned routes to be added to the local routing table (VRF).
# D. The router ID of the BGP process on the P router is 1.0.0.6. (Incorrect Statement)
* Incorrect:
* The P router is a transit router and does NOT run BGP for VPNv4 routes.
* The router ID of PE2 is 1.0.0.11, and the route originator is 1.0.0.2 (likely PE1).
* P routers in an SRv6 BE network do NOT need BGP router IDs.
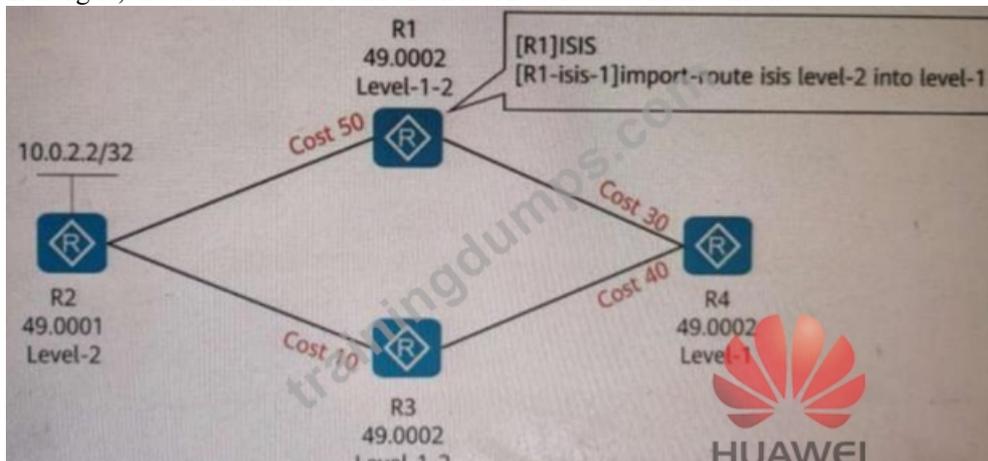D: (The router ID of the BGP process on the P is 1.0.0.6.)
Reference: Huawei HCIE-Datacom Guide - SRv6 L3VPN Routing and End.DT4 Function Real-World Application:
* Service Provider Networks: Uses SRv6 to replace MPLS in large-scale VPN deployments.
* 5G Transport Networks: Implements SRv6 L3VPN for high-speed, low-latency services.

NEW QUESTION # 159
Four routers running IS-4S and an adjacency relationship has been established, the area number and the level of the router are noted
in the figure, and the R4 reaches 10022/32 on the RI device Cost for how much?

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

Answer: D

NEW QUESTION # 160
The role of Link-LSA in OSPFv3 does not include ?

* A. Advertise to other routers on the link optional that is set in the Network LSA from which this link originates
* B. of this interface to other routers on the link Advertise this IPv6 prefix list to other routers on the link

- C. Advertise the link-local address
- D. Advertise the per-port ID of this router to other routers on the link

Answer: A

NEW QUESTION # 161

The multicast IP address is 2291301301, and its corresponding MAC address is :(Multilist)

- A. 00-00-5E-82-82-01
- B. 01-00-5E-O2-82-01
- C. 01-00-5E-82-82-01
- D. 00-00-5E-02-82-01

Answer: B

NEW QUESTION # 162

Which of the following protocols is used in the Huawei SD-WAN Solution to report device performance data?

- A. HTTP/2
- B. NetFlow
- C. BGP
- D. SNMP

Answer: A

Explanation:
Comprehensive and Detailed In-Depth Explanation:
TheHuawei SD-WAN SolutionusesHTTP/2as the primary protocol toreport device performance datato the controller.
HTTP/2is chosen for itshigh efficiency, low latency, and enhanced data transfer speed.
It supportsbidirectional communicationbetween devices and the iMaster NCE-Campus controller.
While protocols likeNetFlowandSNMPare traditionally used for monitoring, Huawei SD-WAN specifically usesHTTP/2for real-time performance reporting and control due to its modern web-based architecture.

NEW QUESTION # 163

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