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```
<R4>display ipv6 routing-table protocol isis
Public Routing Table : ISIS
Summary Count : 2
Destination : ::
PrefixLength : 0
NextHop
: FE80::2E0:FCFF:FE98:2576
Preference : 15
Cost: 10
Protocol : ISIS-L1
Interface : GigabitEthernet0/0/0

Destination ::
PrefixLength: 0
NextHop
: FE80::2E0:FCFF:FEA7:5813
Preference : 15
Cost: 10
Protocol: ISIS-L1

Destination : ::
PrefixLength: 0
NextHop: FE80::2E0:FCFF:FE98:2576
Preference : 15
Cost: 10
Protocol : ISIS-L1
Interface : GigabitEthernet0/0/0

Destination : ::
PrefixLength: 0
NextHop: FE80::2E0:FCFF:FEA7:5813
Preference : 15
Cost: 10
Protocol : ISIS-L1
Interface : GigabitEthernet0/0/1
```

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Huawei HCIE-Datacom V1.0 Sample Questions (Q31-Q36):

NEW QUESTION # 31

As shown in the figure, when PE1 receives an ARP request packet, it forwards the packet to PE4. The packet then carries two labels. The label value 201 is carried by the EVPN Type ____ route. (Enter only digits.)

Answer:

Explanation:

3

Explanation:

Understanding EVPN (Ethernet VPN) Label Allocation and ARP Handling

What Happens in This Scenario?

1##CE1 (192.168.1.1) sends an ARP request to discover the MAC address of CE2 (192.168.1.2).

2##PE1 receives the ARP request and needs to forward it over the EVPN fabric.

3##To send the broadcast ARP request across the EVPN network, PE1 forwards the packet to PE4 using BUM (Broadcast, Unknown unicast, and Multicast) forwarding.

4##PE4, as the Designated Forwarder (DF), forwards the ARP request to CE2.

Role of Labels in EVPN VXLAN/MPLS Networks

EVPN uses BGP to distribute MAC/IP reachability information using different route types.

#EVPN Type 2 Route (MAC/IP Advertisement Route):

Used for MAC-to-IP address mapping announcements.

Ensures remote VTEPs (PE routers) learn MAC-to-IP bindings dynamically.

#EVPN Type 3 Route (Inclusive Multicast Route):

Used for BUM traffic (Broadcast, Unknown Unicast, Multicast).

Assigns a multicast label (e.g., 201) to be used for forwarding broadcast packets like ARP requests.

In this case:

The label 201 is used for BUM traffic forwarding.

BUM traffic is handled using an EVPN Type 3 route.

Why is the Answer 3?

#EVPN Type 3 routes carry labels for BUM traffic, which includes ARP requests.

#Label 201 is used for multicast distribution, which is managed by Type 3 routes.

Real-World Application:

VXLAN Data Centers: Uses EVPN Type 3 routes to control BUM traffic efficiently.

Campus Networks: Prevents unnecessary flooding of ARP requests across VXLAN domains.

#Reference: Huawei HCIE-Datacom Guide - EVPN BGP Route Types and Multicast Labeling

NEW QUESTION # 32

The following description of Filter-Policy is correct? (Radio).

- A. When filtering routes using the pre-slow list, the table entry ip-prefix deny 0000 0 lease-quality 32 indicates that only the default route matches
- B. Filter-policy filters the link state information received or published, and can modify the properties of route entries.
- C. Prefix lists can be used to filter both routes and packets.
- D. With Filter-Policy, on ASBR in OSPF, type 5 LSA and type 7 LSA can be applied. The build is filtered.

Answer: B

NEW QUESTION # 33

In the Huawei SD-WAN Solution, the topologies of different VNs must be the same.

- A. TRUE
- **B. FALSE**

Answer: B

Explanation:

Understanding Huawei SD-WAN VN (Virtual Network) Topologies

Huawei SD-WAN uses Virtual Networks (VNs) to provide traffic isolation and policy-based routing for different services, branches, and applications.

VN Topologies Can Be Different

- * Each VN (Virtual Network) can have its own topology.
- * Some VNs may use full-mesh, while others may use hub-and-spoke or star topology.
- * Different VNs can have different routing and security policies.

Example:

- * Corporate traffic (VN1) # Full-mesh topology for efficient inter-branch communication.
- * Guest Wi-Fi traffic (VN2) # Hub-and-spoke topology to restrict inter-site communication.

Why is the Answer FALSE?

All VNs do not have to use the same topology.# Each VN can be configured independently with a unique topology, routing policy, and security settings.

Reference: Huawei HCIE-Datcom Guide - SD-WAN VN Topologies and Segmentation

NEW QUESTION # 34

In Huawei SD-WAN Solution, which of the following tunneling technologies is used to establish data channels?

- A. MPLS
- **B. GRE over IPsec**
- **C. IPsec**
- D. WLAN

Answer: B,C

Explanation:

Understanding Huawei SD-WAN Tunneling Technologies

Huawei SD-WAN uses secure tunneling to connect branches, data centers, and cloud services.

Tunneling Technologies in SD-WAN:

- IPsec (Answer B) → Provides secure encrypted tunnels over public or private networks.
- GRE over IPsec (Answer D) → Encapsulates traffic inside GRE, then encrypts with IPsec, enabling support for multicast and non-IP traffic.
- A. WLAN (Incorrect Choice) → WLAN is a wireless technology, not a tunneling protocol.
- C. MPLS (Incorrect Choice) → MPLS is a core network transport technology but is not used to establish SD-WAN data channels directly.

Why are Answers B and D Correct?

- Huawei SD-WAN primarily uses IPsec for data encryption.
- GRE over IPsec is used when supporting multicast or dynamic routing protocols over tunnels.
- Reference: Huawei HCIE-Datcom Guide - SD-WAN Tunneling Mechanisms

NEW QUESTION # 35

On a campus network, iMaster NCE-Campus is used to deploy two VNs (Virtual Networks): R&D VN and Marketing VN. Users in these two VNs belong to two separate security groups.

The campus network requires R&D personnel and sales personnel to communicate with each other. To meet this requirement, which of the following tasks does a network administrator need to perform?

- A. Deploy network service resources.
- B. Deploy an external network.
- C. Configure inter-VN communication.
- D. Deploy a policy control matrix.

Answer: C,D

Explanation:

Comprehensive and Detailed Explanation:

Inter-VN communication allows users in different VNs (R&D and Marketing) to communicate.

Correct Steps# (B) Deploy a Policy Control Matrix # Defines rules for inter-VN communication between security groups.# (C) Configure Inter-VN Communication # Enables routing between VNs through the border gateway or firewall.

Why Not Other Options?# (A) Deploy Network Service Resources # This is for internal VN service deployment, not inter-VN communication.# (D) Deploy an External Network # This is for Internet or WAN access, not internal VN-to-VN communication.

Reference: Huawei HCIE Datacom - Virtual Network Intercommunication

NEW QUESTION # 36

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