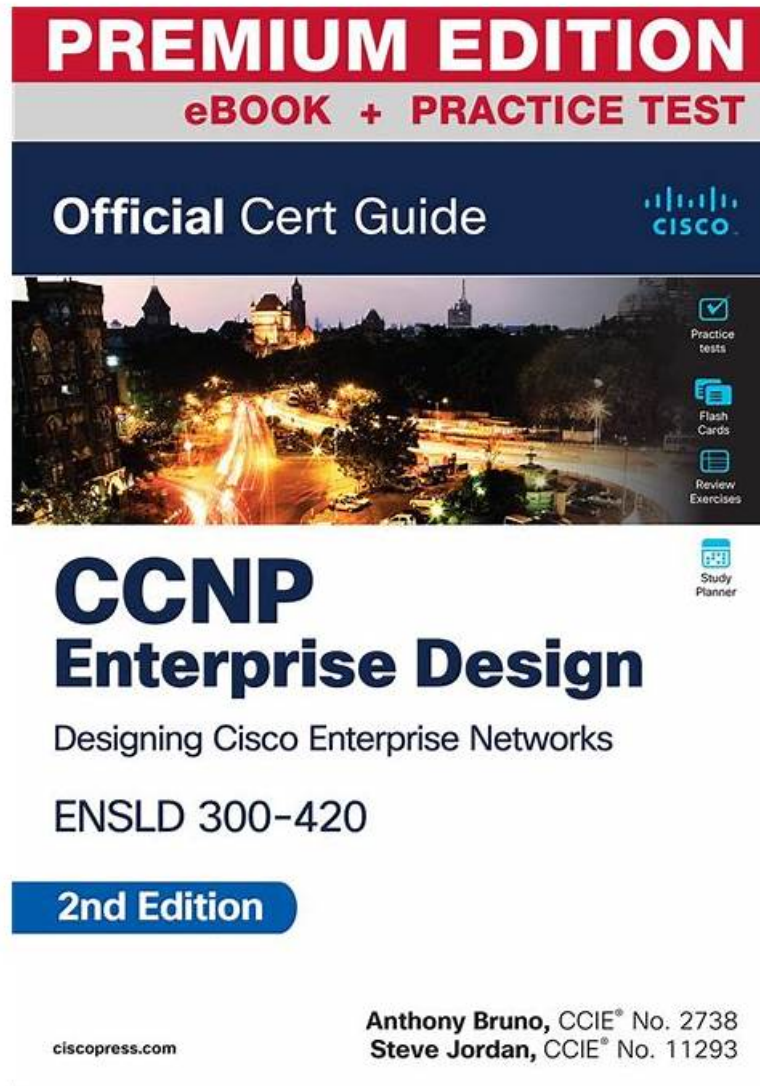


# Cisco 300-420 Questions - Highly Recommended By Professionals



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## **Cisco Designing Cisco Enterprise Networks Sample Questions (Q313-Q318):**

### **NEW QUESTION # 313**

Which design achieves SD-WAN control plane redundancy?

- A. Managing the underlay network with OMP
- B. Configuring BFD on the WAN Edge routers
- **C. Using multiple instances of vManage in clusters**
- D. Deploying using a virtual platform like UCS or CSP

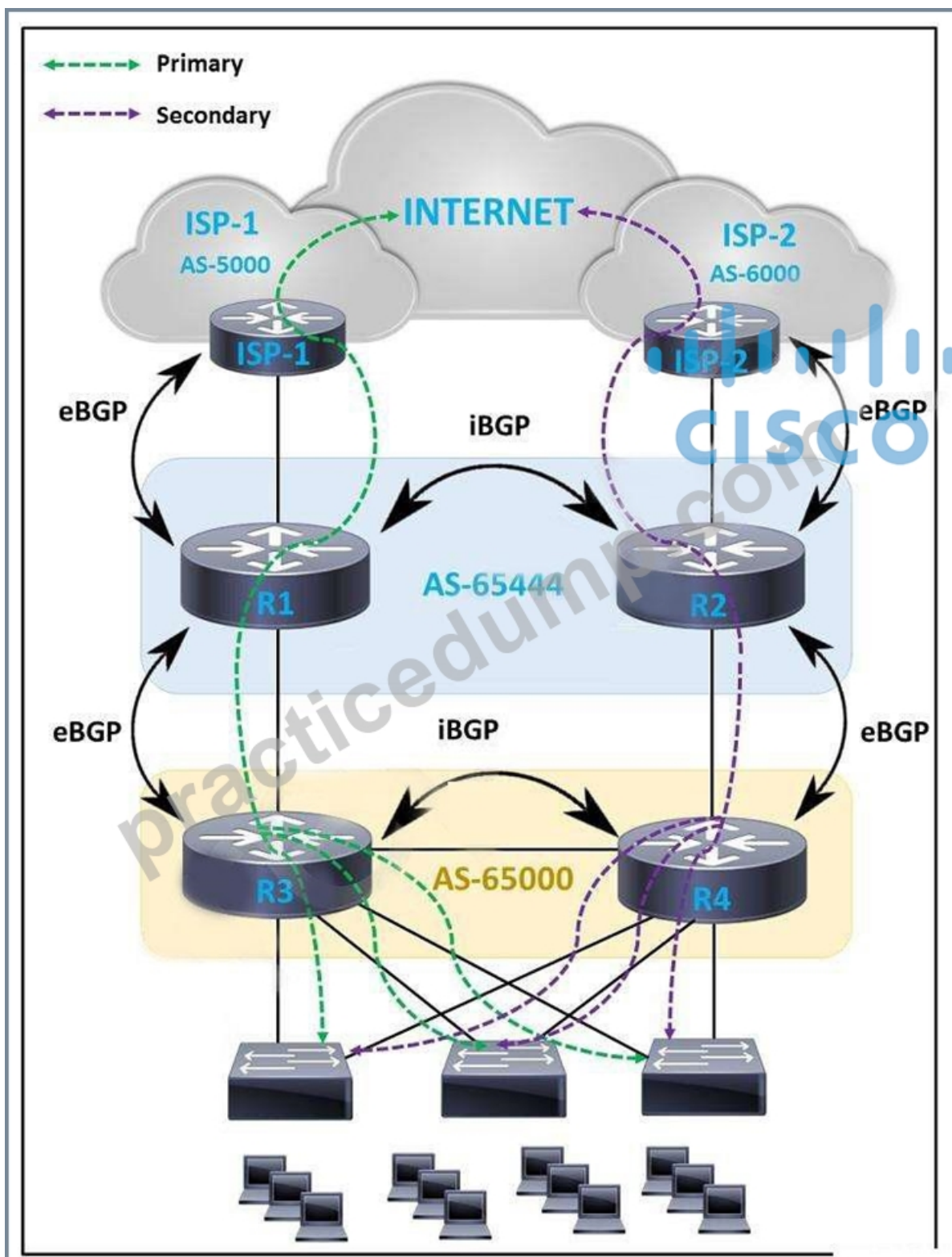
**Answer: C**

Explanation:

SD-WAN control plane redundancy can be achieved by using multiple instances of the vManage management system in clusters. Clustering vManage instances provides high availability and redundancy for the control plane, ensuring that if one vManage instance fails, another can take over without service interruption.

### **NEW QUESTION # 314**

Refer to the exhibit.



An engineer must design a WAN solution so that ISP-1 is always preferred over ISP-2. The path via ISP-2 is considered as a backup and must be used only when the path to ISP-1 is down. Which solution must the engineer choose?

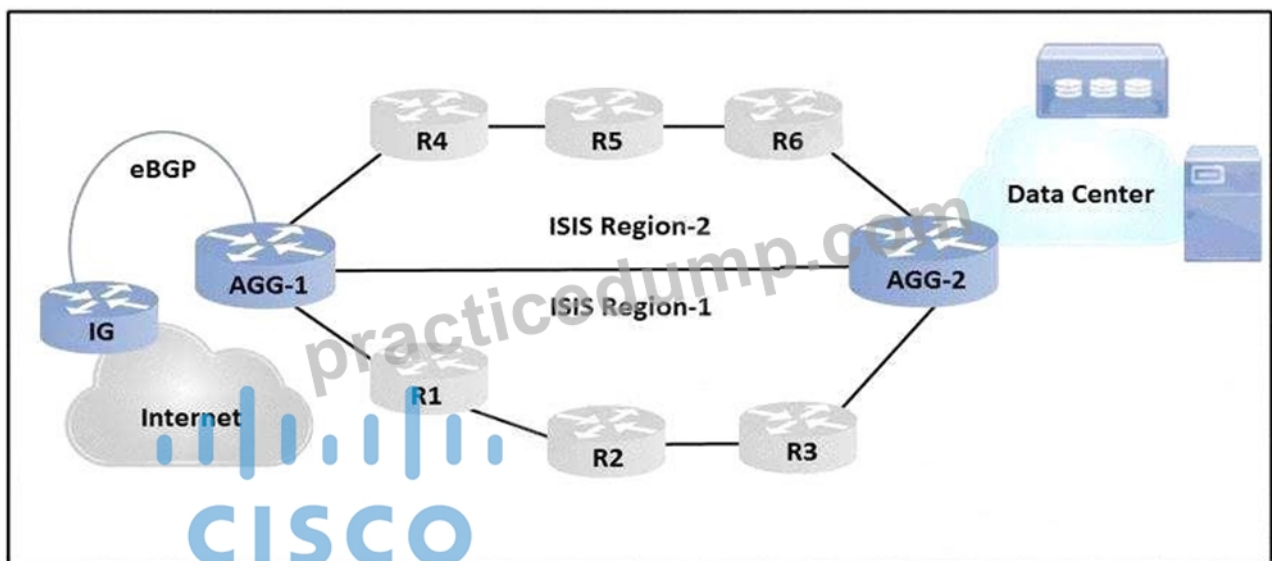
- A. R1:
  - Routes advertised to ISP-1: 0x AS-path prepend
  - Routes received from ISP-1: HIGH local-preference
  - Routes advertised to R2: no action
  - Routes received from R2: community NO-EXPORT
- R2:
  - Routes advertised to ISP-2: 5x AS-path prepend
  - Routes received from ISP-2: LOW local-preference
  - Routes advertised to R1: community NO-ADVERTISE

- Routes received from R1: no action
- B. R1:
  - Routes advertised to ISP-1: 5x AS-path prepend
  - Routes received from ISP-1: LOW local-preference
  - Routes advertised to R2: community NO-ADVERTISE
  - Routes received from R2: no action
- R2:
  - Routes advertised to ISP-2: 0x AS-path prepend
  - Routes received from ISP-2: HIGH local-preference
  - Routes advertised to R1: community NO-EXPORT
  - Routes received from R1: no action
- C. R1:
  - Routes advertised to ISP-1: 0x AS-path prepend
  - Routes received from ISP-1: HIGH local-preference
  - Routes advertised to R2: community NO-EXPORT
  - Routes received from R2: no action
- R2:
  - Routes advertised to ISP-2: 5x AS-path prepend
  - Routes received from ISP-2: LOW local-preference
  - Routes advertised to R1: no action
  - Routes received from R1: no action
- D. R1:
  - Routes advertised to ISP-1: 0x AS-path prepend
  - Routes received from ISP-1: LOW local-preference
  - Routes advertised to R2: community NO-ADVERTISE
  - Routes received from R2: no action
- R2:
  - Routes advertised to ISP-2: 5x AS-path prepend
  - Routes received from ISP-2: HIGH local-preference
  - Routes advertised to R1: no action
  - Routes received from R1: community NO-ADVERTISE

**Answer: C**

### NEW QUESTION # 315

Refer to the exhibit.



An architect must design an IGP solution for an enterprise customer. The design must support:

Physical link flaps should have minimal impact.

Access routers should converge quickly after a link failure.

Which two ISIS solutions should the architect include in the design? (Choose two.)

- A. Configure access routers to establish a Level 1 adjacency and aggregate routers to establish a Level 1 / Level 2 adjacency.

- B. Advertise the IS-IS interface and loopback IP address toward the Internet and data center.
- C. Reduce SPF and PRC intervals to improve convergence time.
- D. Use BGP to IS-IS redistribution to advertise all Internet routes in the Level 1 area.
- E. Configure all access and aggregate routers to establish Level 1 / Level 2 adjacencies across the network.

Answer: C,E

#### NEW QUESTION # 316

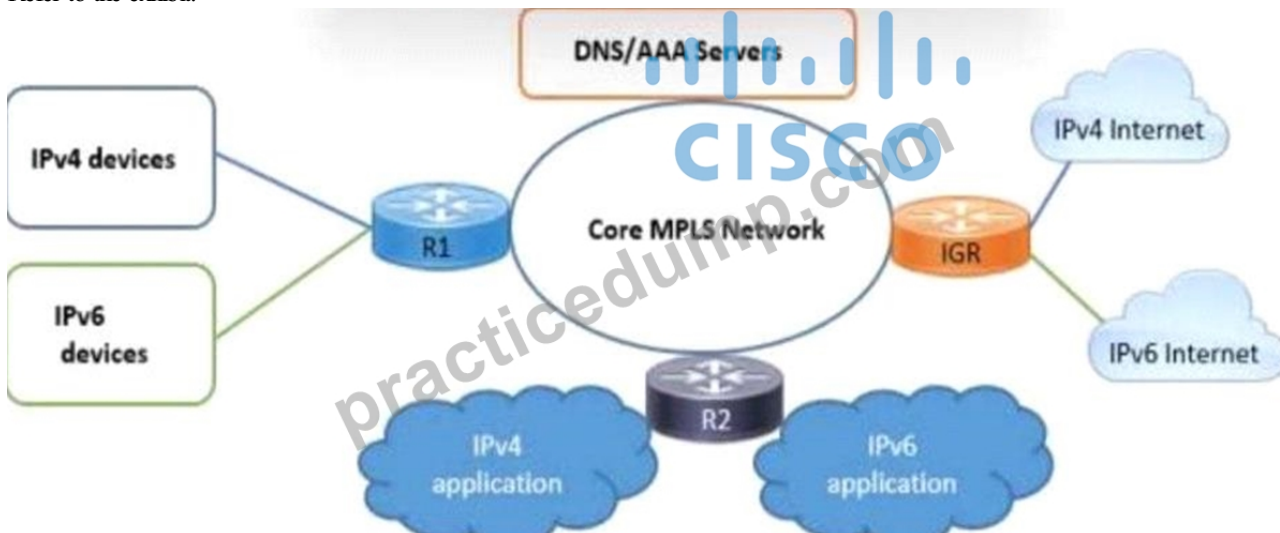
A customer's environment includes hosts that support IPv6-only. Several of these hosts must communicate with a public web server that has only IPv4 domain name resolution. Which solution should the customer use in this environment?

- A. utilize NAT64 to translate the addresses
- B. implement 6PE to resolve hostname resolution
- C. use 6to4 and a tunnel to translate the addresses
- D. Implement NAT44 at the edge of the customer network

Answer: A

#### NEW QUESTION # 317

Refer to the exhibit.



An architect must design an IPv6 migration solution for an enterprise customer to support these requirements:

- \* Clients will transition to the new IPv6 network, which provides NAT64 and IPv6 DNS resolution services, using the same DNS name that points to the IPv4 address.
- \* The service provider will create a client-facing IPv6 interface with a new IPv6 virtual address that points to the same IPv4 DNS server.
- \* The service provider will support clients that use global IPv6 addresses and encapsulate IPv4 packets into IPv6 tunnels.

Which two migration solutions must the architect choose? (Choose two.)

- A. Use dual-stack lite from the devices to the core MPLS network.
- B. Use NAT44/64 from the MPLS network to the IGR.
- C. Use IPv6 tunneling from the devices to the core MPLS network.
- D. Use dual-stack lite from the MPLS network to the IGR.
- E. Use NAT44/64 from the devices to the core MPLS network.

Answer: A,B

#### NEW QUESTION # 318

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