

## 300-420 Dumps

### Designing Cisco Enterprise Networks (ENSLD)

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#### NEW QUESTION 1

An engineer is working for a large cable TV provider that requires multiple sources streaming video on different channels using multicast with no rendezvous point. Which multicast protocol meets these requirements?

- A. PIM-SM
- B. PIM-SSM
- C. any-source multicast
- D. BIDIR-PIM

**Answer: D**

#### NEW QUESTION 2

When vEdge router redundancy is designed, which FHRP is supported?

- A. HSRP
- B. OMP
- C. GLBP
- D. VRRP

**Answer: D**

#### NEW QUESTION 3

An enterprise customer has these requirements:

- end-to-end QoS for the business-critical applications and VoIP services based on CoS marking.
- flexibility to offer services such as IPv6 and multicast without any reliance on the service provider.
- support for full-mesh connectivity at Layer 2.

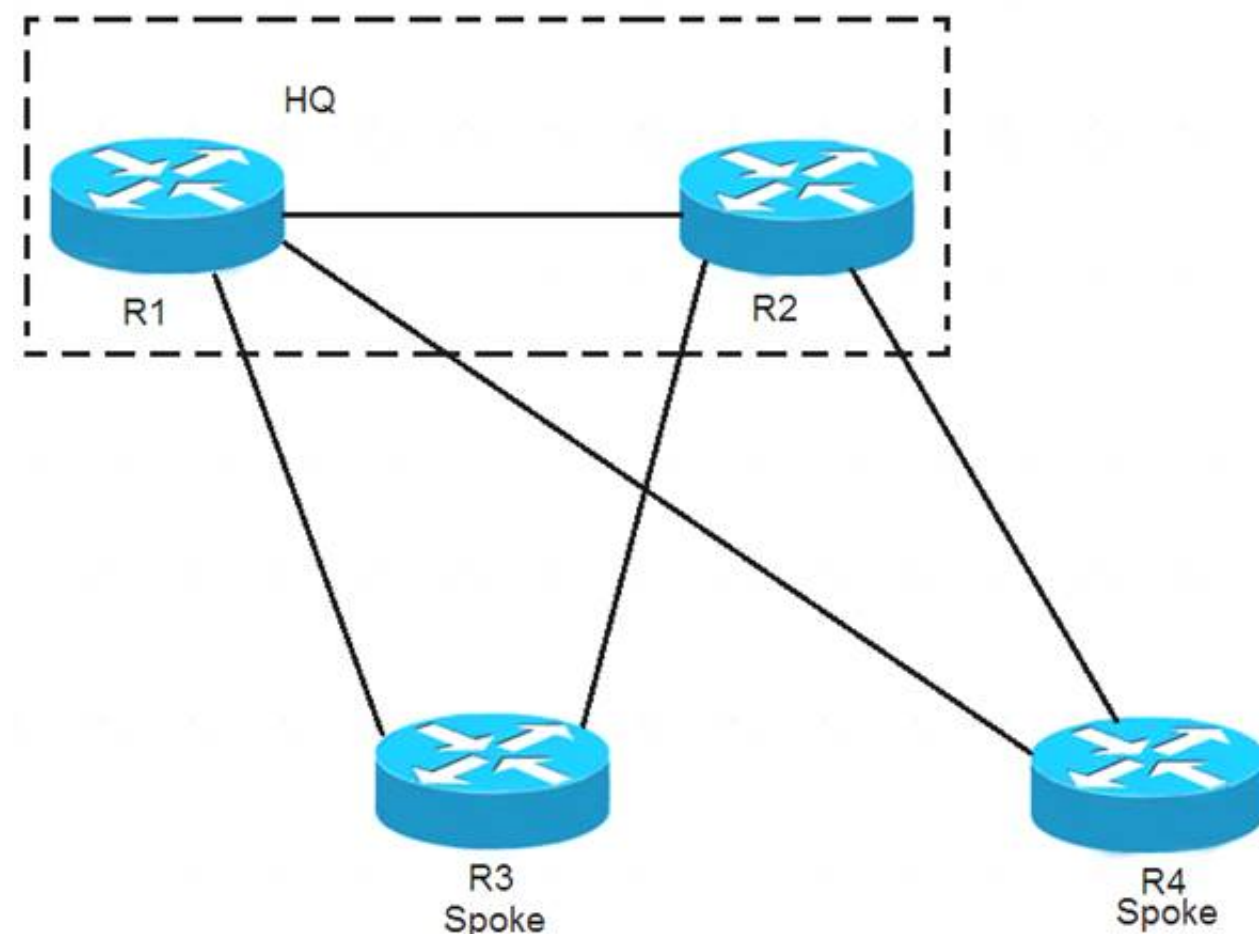
Which WAN connectivity option meets these requirements?

- A. VPWS
- B. MPLS VPN
- C. DMVPN
- D. VPLS

**Answer: D**

#### NEW QUESTION 4

Refer to the exhibit.



EIGRP has been configured on all links. The spoke nodes have been configured as EIGRP stubs, and the WAN links to R3 have higher bandwidth and lower delay than the links to R4. When a link failure occurs at the R1-R2 link, what happens to traffic on R1 that is destined for a subnet attached to R2?

- A. R1 has no route to R2 and drops the traffic
- B. R1 load-balances across the paths through R3 and R4 to reach R2
- C. R1 forwards the traffic to R3, but R3 drops the traffic
- D. R1 forwards the traffic to R3 in order to reach R2

**Answer: D**

**NEW QUESTION 5**

Which solution allows overlay VNs to communicate with each other in an SD-WAN Architecture?

- A. External fusion routers can be used to map VNs to VRFs and selectively route traffic between VRFs.
- B. GRE tunneling can be configured between fabric edges to connect one VN to another.
- C. SGTs can be used to permit traffic from one VN to another.
- D. Route leaking can be used on the fabric border nodes to inject routes from one VN to another.

**Answer:** B

**NEW QUESTION 6**

Which QoS feature responds to network congestion by dropping lower priority packets?

- A. CBWFQ
- B. tail drop
- C. WRED
- D. strict priority

**Answer:** C

**NEW QUESTION 7**

An engineer must design a multicast network for a financial application. Most of the multicast sources also receive multicast traffic (many-to-many deployment model). To better scale routing tables, the design must not use source trees. Which multicast protocol satisfies these requirements?

- A. PIM-SSM
- B. PIM-SM
- C. MSDP
- D. BIDIR-PIM

**Answer:** B

**NEW QUESTION 8**

A branch office has a primary L3VPN MPLS connection back to the main office and an IPSEC VPN tunnel that serves as backup. Which design ensures that data is sent over the backup connection only if the primary MPLS circuit is down?

- A. Use EIGRP to establish a neighbor relationship with the main office via L3VPN MPLS and the IPSECVPN tunnel.
- B. Use BGP with the multipath feature enabled to force traffic via the primary path when available.
- C. Use static routes tied to an IP SLA to prefer the primary path while a floating static route points to the backup connection.
- D. Use OSPF with a passive-interface command on the backup connection.

**Answer:** C

**NEW QUESTION 9**

An engineer must propose a QoS architecture model that allows an application to inform the network of its traffic profile and to request a particular type of service to support its bandwidth and delay requirements. The application requires consistent and dedicated bandwidth end to end. Which QoS architecture model meets these requirements?

- A. DiffServ
- B. LLQ
- C. WRED
- D. IntServ

**Answer:** D

**NEW QUESTION 10**

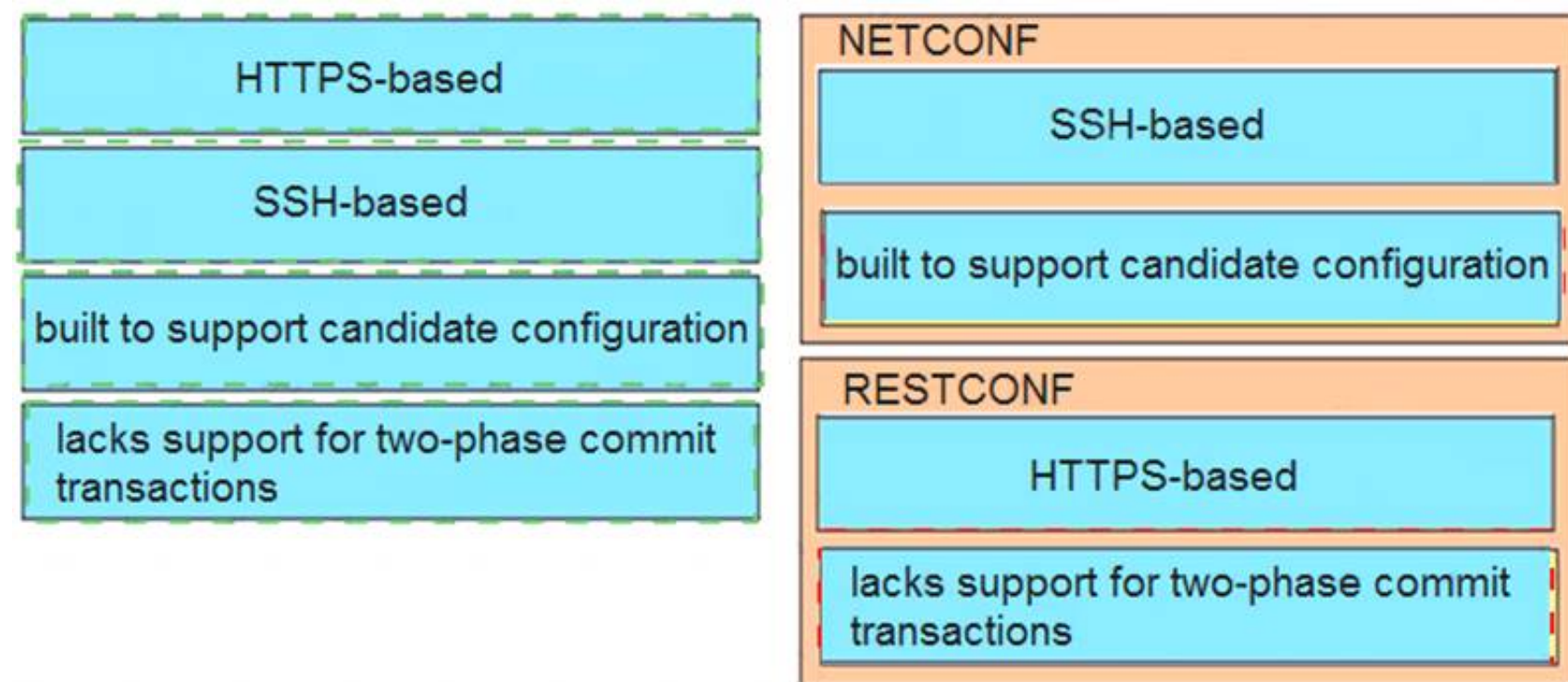
Drag and drop the properties from the left onto the protocols they describe on the right.

|   |  |
|---|--|
| HTTPS-based                                     | <b>NETCONF</b><br><div></div> <div></div>  |
| SSH-based                                       |  |
| built to support candidate configuration        | <b>RESTCONF</b><br><div></div> <div></div> |
| lacks support for two-phase commit transactions |  |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 10**

When designing interdomain multicast, which two protocols are deployed to achieve communication between multicast sources and receivers? (Choose two.)

- A. IGMPv2
- B. BIDIR-PIM
- C. MP-BGP
- D. MSDP
- E. MLD

**Answer:** CD

**NEW QUESTION 14**

Which two steps can be taken to improve convergence in an OSPF network? (Choose two.)

- A. Use Bidirectional Forwarding Detection
- B. Merge all the areas into one backbone area
- C. Tune OSPF parameters
- D. Make all non-backbone areas stub areas
- E. Span the same IP network across multiple areas.

**Answer:** CD

**NEW QUESTION 15**

Which two routing protocols allow for unequal cost load balancing? (Choose two.)

- A. EIGRP
- B. IS-IS
- C. BGP
- D. OSPF
- E. RIPng

**Answer:** AC

**NEW QUESTION 20**

Which feature is required for graceful restart to recover from a processor failure?

- A. Cisco Express Forwarding
- B. Virtual Switch System
- C. Stateful Switchover
- D. Bidirectional Forwarding Detection

**Answer:** A

**NEW QUESTION 21**

An infrastructure team is concerned about the shared memory utilization of a device, and for this reason, they need to monitor the device state. Which solution limits impact on the device and provides the required data?

- A. IPFIX

- B. static telemetry
- C. on-change subscription
- D. periodic subscription

**Answer:** A

#### NEW QUESTION 22

Which design consideration should be observed when EIGRP is configured on Data Center switches?

- A. Perform manual summarization on all Layer 3 interfaces to minimize the size of the routing table.
- B. Prevent unnecessary EIGRP neighborships from forming across switch virtual interfaces.
- C. Lower EIGRP hello and hold timers to their minimum settings to ensure rapid route reconvergence.
- D. Configure multiple EIGRP autonomous systems to segment Data Center services and applications.

**Answer:** A

#### NEW QUESTION 24

A customer with an IPv4 only network topology wants to enable IPv6 connectivity while preserving the IPv4 topology services. The customer plans to migrate IPv4 services to the IPv6 topology, then decommission the IPv4 topology. Which topology supports these requirements?

- A. dual stack
- B. 6VPE
- C. 6to4
- D. NAT64

**Answer:** A

#### NEW QUESTION 25

Which routes does the overlay management protocol advertise in an SD-WAN overlay?

- A. underlay, MPLS, and overlay
- B. primary, backup, and load-balanced
- C. prefix, TLOC, and service
- D. Internet, MPLS, and backup

**Answer:** C

#### NEW QUESTION 26

A customer is discussing QoS requirements with a network consultant. The customer has specified that endto- end path verification is a requirement. Which QoS solution meets this requirement?

- A. IntServ model with RSVP to support the traffic flows
- B. DiffServ model with PHB to support the traffic flows
- C. marking traffic at the access layer with DSCP to support the traffic flows
- D. marking traffic at the access layer with CoS to support the traffic flows

**Answer:** A

#### NEW QUESTION 31

What are two benefits of designing an SD-WAN network fabric with direct Internet access implemented at every site? (Choose two.)

- A. It decreases latency to applications hosted by public cloud service provider.
- B. It decreases latency on Internet circuits.
- C. It increases the speed of delivery of site deployments through zero-touch provisioning.
- D. It increases the total available bandwidth on Internet circuits.
- E. It alleviates network traffic on MPLS circuits.

**Answer:** AE

#### NEW QUESTION 36

An engineer is working with NETCONF and Cisco NX-OS based devices. The engineer needs a YANG model that supports a specific feature relevant only to Cisco NX-OS. Which model must the engineer choose?

- A. Native
- B. IEEE
- C. OpenConfig
- D. IETF

**Answer:** D

#### NEW QUESTION 37

An engineer is looking for a standards-driven YANG model to manage a multivendor network environment. Which model must the engineer choose?

- A. Native
- B. OpenConfig



- C. IETF
- D. IEEE NETCONF

**Answer:** C

**NEW QUESTION 40**

A network solution is being designed for a company that connects to multiple Internet service providers. Which Cisco proprietary BGP path attribute will influence outbound traffic flow?

- A. Local Preference
- B. MED
- C. Weight
- D. AS Path
- E. Community

**Answer:** C

**NEW QUESTION 41**

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