Cisco

Exam Questions 300-420

Designing Cisco Enterprise Networks (ENSLD)

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
Which control-plane technology allows the same subnet to exist across multiple network locations?

A. LISP
B. VXLAN
C. FabricPath
D. ISE mobility services

Answer: B

NEW QUESTION 3
What is an advantage of designing an out-of-band network management solution?

A. In the event of a production network outage, network devices can still be managed.
B. There is no separation between the production network and the management network.
C. In the event of a production network outage, it can be used as a backup network path.
D. It is less expensive than an in-band management solution

Answer: A

NEW QUESTION 4
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?
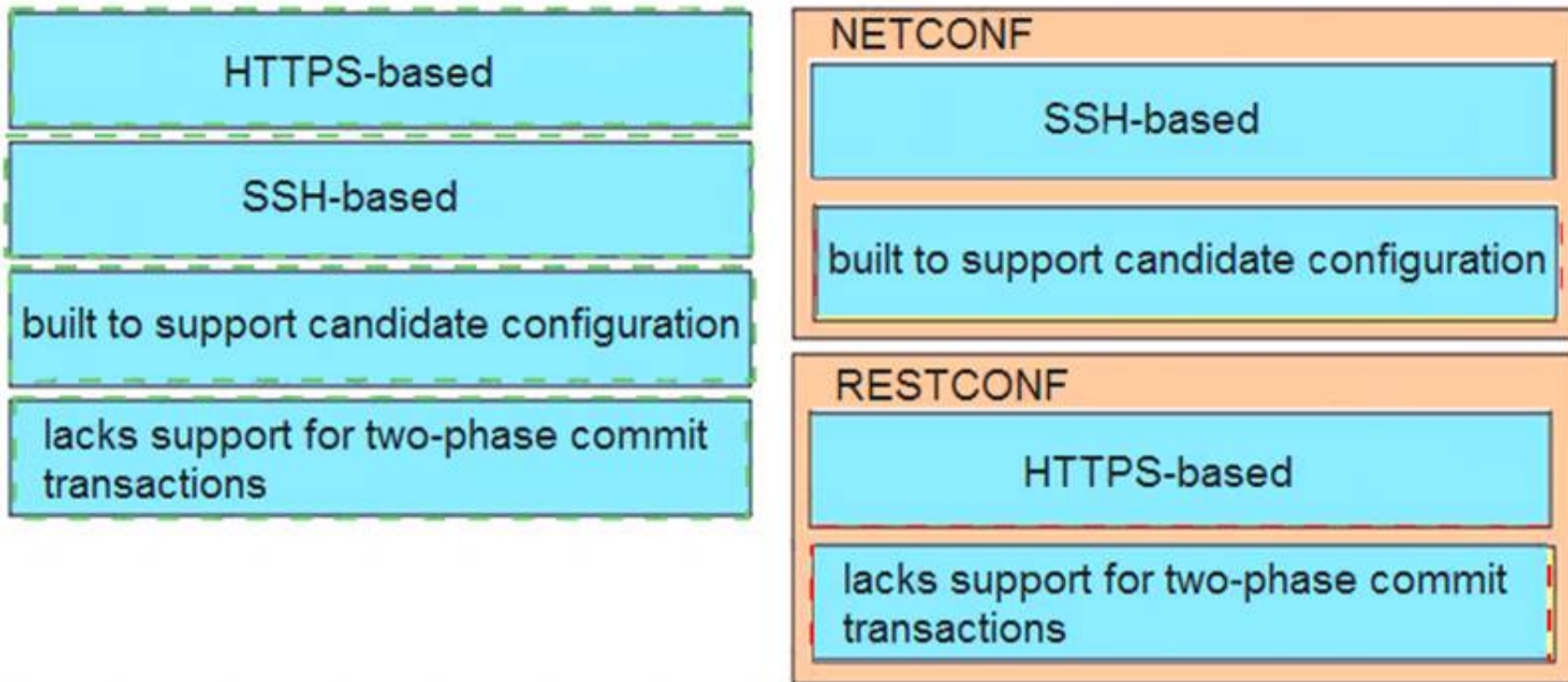
A. DiffServ
B. LLQ
C. WRED
D. IntServ

Answer: D

NEW QUESTION 5
Drag and drop the properties from the left onto the protocols they describe on the right.

Solution:

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 6
When a network is designed using IS-IS protocol, which two circuit types are supported? (Choose two.)

A. nonbroadcast multiaccess
B. multiaccess
C. point-to-multipoint
D. nonbroadcast
E. point-to-point

Answer: BE

NEW QUESTION 7
A company with multiple service providers wants to speed up BGP convergence time in the event a failure occurs with their primary link. Which approach achieves this goal and does not impact router CPU utilization?

A. Utilize BFD and tune the multiplier to 50
B. Lower the BGP hello interval
C. Decrease the BGP keepalive timer
D. Utilize BFD and keep the default BGP timers

Answer: C

NEW QUESTION 8
When IPsec VPNs are designed, what is a unique requirement if support for IP Multicast is required?

A. encapsulation of traffic with GRE or VTI
B. IPsec forwarding using transport mode
C. additional bandwidth for headend
D. IPsec forwarding using tunnel mode

Answer: A

NEW QUESTION 9
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 10
Which design consideration must be made when using IPv6 overlay tunnels?

A. Overlay tunnels that connect isolated IPv6 networks can be considered a final IPv6 network architecture.
B. Overlay tunnels should only be considered as a transition technique toward a permanent solution.

C. Overlay tunnels can be configured only between border devices and require only the IPv6 protocol stack.
D. Overlay tunneling encapsulates IPv4 packets in IPv6 packets for delivery across an IPv6 infrastructure.

Answer: C

NEW QUESTION 11
How do endpoints inside an SD-Access network reach resources outside the fabric?

A. a VRF fusion router is used to map resources in one VN to another VN
B. Fabric borders use VRFs to map VNs to VRFs
C. SD-Access transit links are used to transport encapsulated traffic from one fabric to another
D. A fabric edge is used to de-encapsulate VXLAN traffic to normal IP traffic then transported over the outside network

Answer: D

NEW QUESTION 12
An organization is designing a detailed QoS plan that limits bandwidth to specific rates. Which two parameters are supported be the traffic policing feature? (Choose two.)

A. violating
B. marking
C. shaping
D. bursting
E. conforming

Answer: BC

NEW QUESTION 13
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