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Implementing Cisco SD-WAN Solutions (ENSDWI)

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QUESTION 1

Which policy blocks TLOCs from remotes and allows TLOCs from the data center to form hub-and-spoke peering?

A. localized control policy

B. localized data policy

C. centralized data policy

D. centralized control policy

Correct Answer: C

QUESTION 2

In a Cisco SD-WAN architecture, what is the role of the WAN Edge?

A. It provides orchestration to assist in automatic provisioning of WAN Edge routers and overlay

B. It is the management plane responsible for centralized configuration and monitoring

C. It is the control plane that builds and maintains network topology

D. It is the data plane that is responsible for forwarding traffic

Correct Answer: D

https://www.cisco.com/c/dam/en/us/solutions/collateral/enterprise-networks/sd-wan/nb-06-cisco-sd-wan-ebook-cte-en.pdf

QUESTION 3

PEER TYPE	PEER PROTOCOL	PEER SYSTEM IP	SITE ID	DOMAIN ID	PEER PRIVATE IP	PEER PRIVATE PORT
vsmart	dtls	10.1.1.8	1	0	1.1.1.1	12447
vmanage	dtls	10.1.1.7	1	1	2.2.2.2	12647
vmanage	dtls	10.1.1.7	1	1	2.2.2.2	12867

LOCAL COLOR	STATE	ERROR	ERROR	LOCAL UNIT
gold	up	LISFD	NOERR	45
gold	up	LISFD	NOERR	70
gold	up	LISFD	NOERR	69

Refer to the exhibit. An engineer is troubleshooting a control connection issue on a WAN Edge device that shows socket errors. The packet capture shows some ICMP packets dropped between the two devices. Which action resolves the issue?

A. Remove IP duplication in the network and configure a unique IP address.

B. Recover vBond or wait for the controller to reload, which could be caused by a reset.

C. Recover the vManage controller that is down in a high availability cluster.

D. Change the system IP or restart the WAN Edge if the system IP is changed.

Correct Answer: A

QUESTION 4

An enterprise deployed a Cisco SD-WAN solution with hub-and-spoke topology using MPLS as the preferred network over the Internet. A network engineer must implement an application-aware routing policy to allow ICMP traffic to be load-balanced over both the available links. Which configuration meets the requirement?

A.
```
app-route-policy_VPN_10_AAR
 vpn-list VPN_50
  sequence 21
  match
   app-list ICMP
    source-ip 0.0.0.0/0
   !
   action
    sla-class ICMP_SLA preferred-color mpls public-Internet
```

B.
```
app-route-policy_VPN_10_AAR
 vpn-list VPN_50
  sequence 21
  match
   app-list ICMP
    source-ip 0.0.0.0/0
   !
   action
    sla-class ICMP_SLA
```

C.
```
app-route-policy_VPN_10_AAR
 vpn-list VPN_50
  sequence 21
  match
   app-list ICMP
    source-ip 0.0.0.0/0
   !
   action
    sla-class ICMP_SLA preferred-color mpls
    backup-sla-preferred-color public-internet
```

D.
```
app-route-policy_VPN_10_AAR
 vpn-list VPN_50
  sequence 21
  match
   app-list ICMP
    source-ip 0.0.0.0/0
   !
   action
    sla-class ICMP_SLA preferred-color public-internet
    sla-class ICMP_SLA preferred-color mpls
```
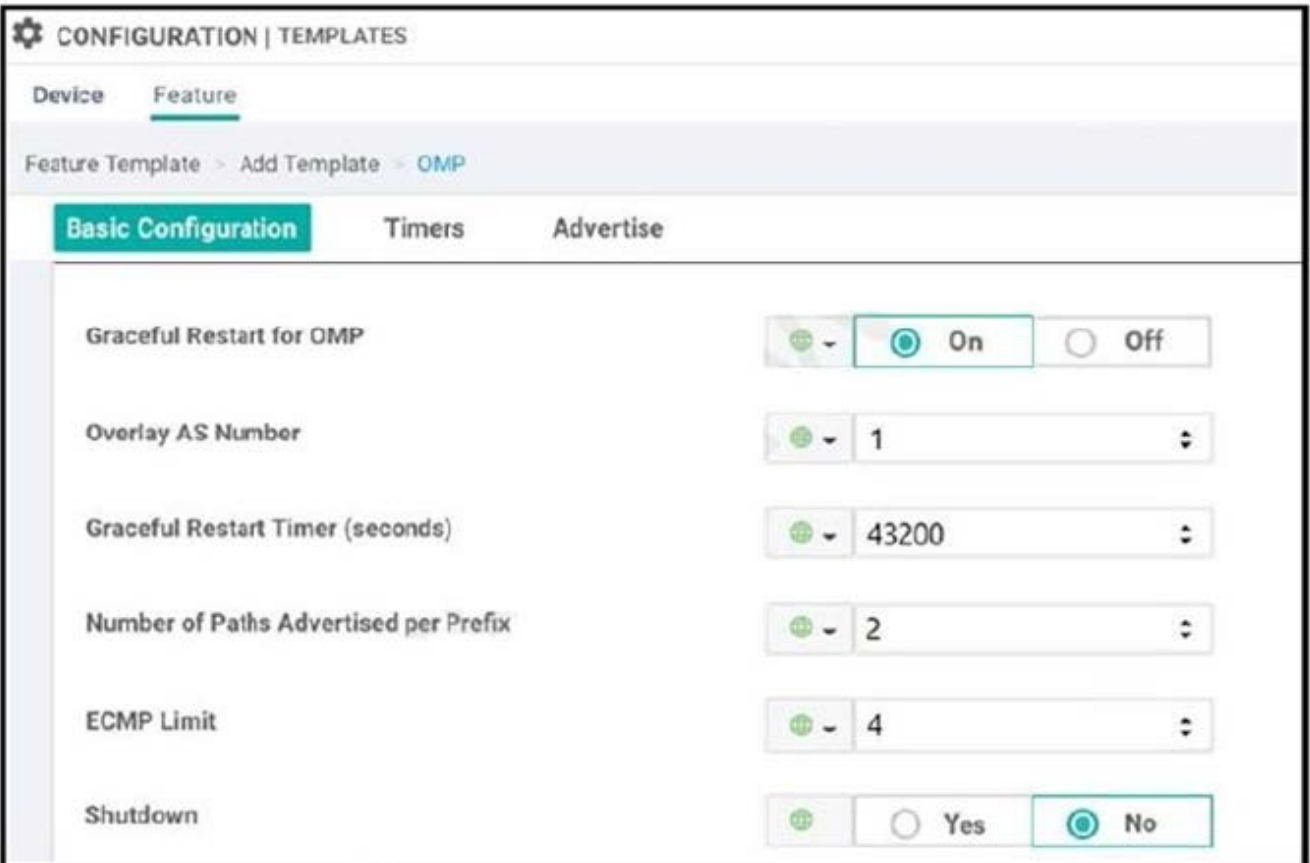
A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

QUESTION 5

A company must avoid downtime at the remote sites and data plane to continue forwarding traffic between WAN Edge devices if the branch router loses connectivity to its OMP peers. Which configuration meets the requirement?

A.

CONFIGURATION | TEMPLATES

Device   Feature

Feature Template > Add Template > OMP

Basic Configuration   Timers   Advertise

Graceful Restart for OMP	⊕ ▾ ● On ○ Off
Overlay AS Number	⊕ ▾ 1
Graceful Restart Timer (seconds)	⊕ ▾ 43200
Number of Paths Advertised per Prefix	⊕ ▾ 2
ECMP Limit	⊕ ▾ 4
Shutdown	⊕ ○ Yes ● No

B.

CONFIGURATION | TEMPLATES

Device   Feature

Feature Template > Add Template > OMP

Basic Configuration	Timers	Advertise

Graceful Restart for OMP	⊕ ▾	○ On	⦿ Off
Overlay AS Number	⊕ ▾	2	⇅
Graceful Restart Timer (seconds)	⊕ ▾	300	⇅
Number of Paths Advertised per Prefix	⊕ ▾	2	⇅
ECMP Limit	⊕ ▾	2	⇅
Shutdown	⊕	○ Yes	⦿ No

C.

CONFIGURATION | TEMPLATES

Device   Feature

Feature Template > Add Template > OMP

Basic Configuration	Timers	Advertise

Graceful Restart for OMP	⊕ ▾	⦿ On	○ Off
Overlay AS Number	⊕ ▾	1	⇅
Graceful Restart Timer (seconds)	⊕ ▾	43200	⇅
Number of Paths Advertised per Prefix	⊕ ▾	2	⇅
ECMP Limit	⊕ ▾	2	⇅
Shutdown	⊕	⦿ Yes	○ No

D.

CONFIGURATION | TEMPLATES

Device   Feature

Feature Template > Add Template > OMP

Basic Configuration	Timers	Advertise

Graceful Restart for OMP	⊕ ▾	○ On	⦿ Off
Overlay AS Number	⊕ ▾	1	⇅
Graceful Restart Timer (seconds)	⊕ ▾	33200	⇅
Number of Paths Advertised per Prefix	⊕ ▾	2	⇅
ECMP Limit	⊕ ▾	2	⇅
Shutdown	⊕	○ Yes	⦿ No

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 6

Which two resource data types are used to collect information for monitoring using REST API in Cisco SD-WAN? (Choose two.)

A. POST

B. PUT

C. scalar

D. array

E. DELETE

Correct Answer: CD

QUESTION 7

What is the maximum number of IPsec SAs that are temporarily created and converged on a new set of IPsec SAs in the pairwise keys process during a simultaneous rekey?

A. 2

B. 4

C. 6

D. 8

Correct Answer: B

QUESTION 8

In the Cisco SD-WAN solution, vSmart controller is responsible for which two actions? (Choose two)

A. Authenticate and authorize vEdge routers.

B. Distribute the IP address from DHCP server to vEdge routers

C. Distribute crypto key information among vEdge routers

D. Configure and monitor vEdge routers

E. Distribute route and policy information via OMP.

Correct Answer: CE

QUESTION 9

Which hardware component is involved in the Cisco SD-WAN authentication process for ISR platforms?

A. ZTP

B. OTPC

C. SUDI

D. TPMD

Correct Answer: C

Reference:https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/sdwan-wan-edge-onboarding-deploy-guide-2020nov.pdf

QUESTION 10

Which component is used for stateful inspection of TCP, UDP. and ICMP flows in Cisco SD-WAN firewall policies?

A. zones

B. sites

C. subnets

D. interfaces

Correct Answer: A

QUESTION 11

Which two criteria are supported to filter traffic on a Cisco Umbrella Cloud-delivered firewall? (Choose two.)

A. geolocation

B. site ID

C. URL

D. protocol

E. tunnels

Correct Answer: DE

QUESTION 12

Which behavior describes a WAN Edge router running dual DIA when its DPI engine has identified a cloud SaaS application?

A. The gateway WAN Edge router DPI engine accepts the DNS query for SaaS applications, and DNS queries for noncloud applications follow the explicit path.

B. The WAN Edge DPI engine never selects a subperforming DIA circuit for the first application, and the WAN Edge router finds the SaaS application.

C. Existing flows change the path and drop the traffic when the performance of the chosen path degrades.

D. Application traffic flows are routed over best performing DIA circuit, which makes the routing decision based on the best performing path.

Correct Answer: D

QUESTION 13

DRAG DROP

Drag and drop the devices from the left into order on the right to upgrade the software from version 19 to version 20.

Select and Place:

WAN Edge		1
vBond		2
vManager		3
vSmart		4

Correct Answer:

	vManager
	vBond
	vSmart
	WAN Edge

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