

300-415^{Q&As}

Implementing Cisco SD-WAN Solutions (ENSDWI)

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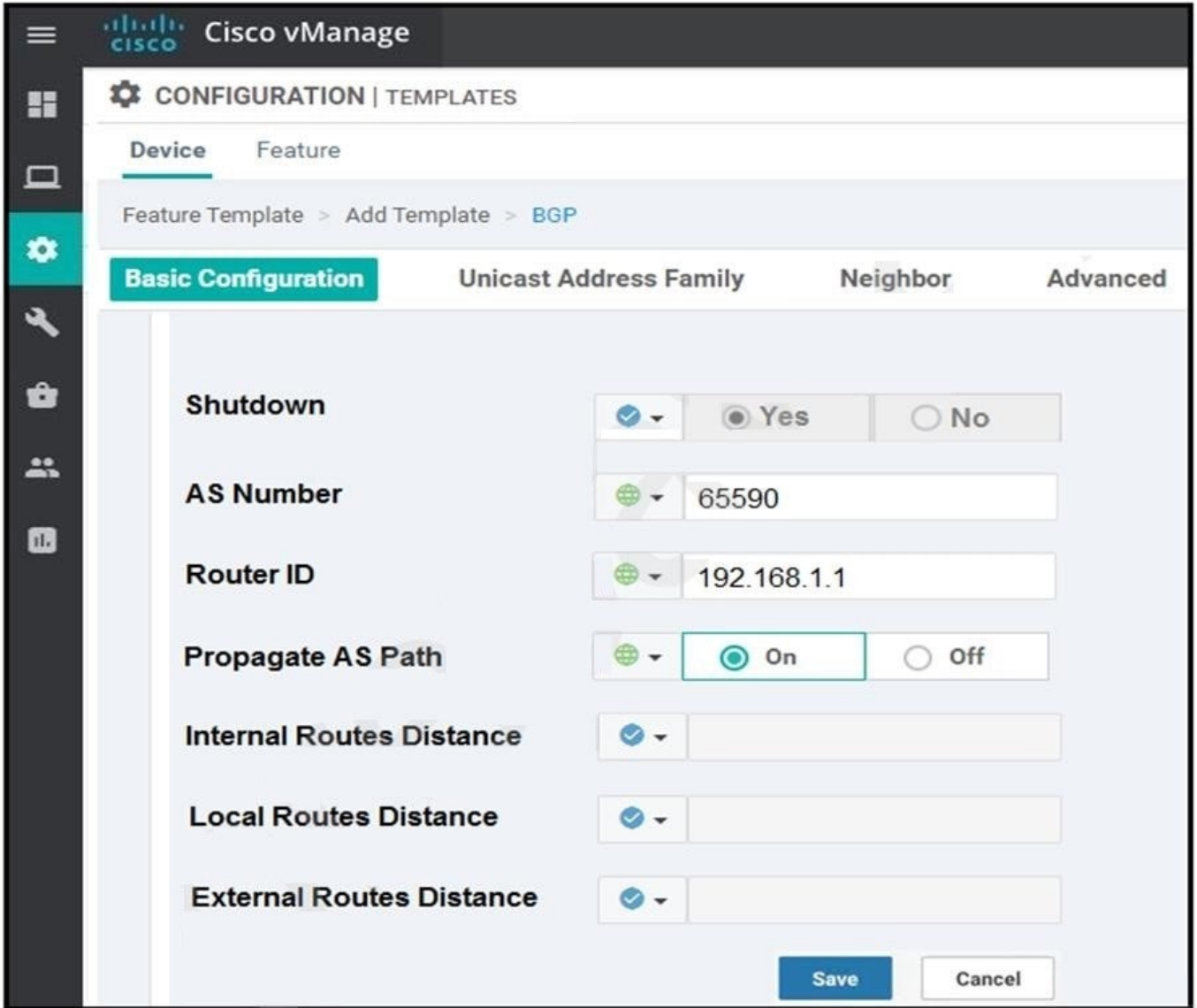
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QUESTION 1

Refer to the exhibit.



Which configuration value is used to change the administrative distance of iBGP routes to 20?

- A. Configure Internal Routes Distance to 10.
- B. Configure Propagate AS Path to off.
- C. Configure Local Routes Distance to 20.
- D. Configure External Routes Distance to 20.

Correct Answer: C

Reference: <https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/routing/vEdge-20-x/routing-book/m-unicast-routing.html>

QUESTION 2

Which SD-WAN devices require multicast PIM and IGMP configurations when setting up SD-WAN multicast?

- A. datacenter replicator devices
- B. datacenter devices with multicast sources
- C. branch devices with multicast receivers
- D. branch devices with unicast traffic

Correct Answer: C

QUESTION 3

What is the order of operations for software upgrades of Cisco SD-WAN nodes?

- A. vBond, vManage, vSmart, WAN Edge
- B. vManage, vBond, vSmart, WAN Edge
- C. vManage, vBond, WAN Edge, vSmart
- D. vManage, vSmart, vBond, WAN Edge

Correct Answer: B

When you upgrade a group of Cisco vBond Orchestrator, Cisco vSmart Controllers, and Cisco IOS XE SD-WAN devices or Cisco vEdge devices in either a standalone or Cisco vManage cluster deployment, the software upgrade and reboot is performed first on the Cisco vBond Orchestrator, next on the Cisco vSmart Controller, and finally on the Cisco IOS XE SD-WAN devices or Cisco vEdge devices.

QUESTION 4

A network administrator is configuring an application-aware firewall between inside zones to an outside zone on a WAN edge router using vManage GUI. What kind of inspection is performed when the "inspect" action is used?

- A. Layer 7 inspection for TCP and Layer 4 inspection for UDP
- B. IPS inspection for TCP and Layer 4 inspection for UDP
- C. stateful inspection for TCP and stateless inspection of UDP
- D. stateful inspection for TCP and UDP

Correct Answer: D

When the "inspect" action is used in the context of an application-aware firewall, it typically refers to stateful inspection

for both TCP and UDP traffic. This allows the firewall to keep track of the state of network connections and make decisions based on the state of those connections.

QUESTION 5

Which Cisco SD-WAN WAN Edge platform supports LTE and Wi-Fi?

- A. ISR 1101
- B. ASR 1001
- C. CSR 1000v
- D. vEdge 2000

Correct Answer: A

Reference: <https://www.cisco.com/c/dam/en/us/products/collateral/routers/1000-series-integrated-services-routers-isr/q-and-a-c67-739639.pdf>

QUESTION 6

Which component is responsible for routing protocols such as BGP and OSPF in a Cisco SD-WAN solution?



- A. vSmart Controller
- B. vBond Orchestrator
- C. vManage
- D. WAN Edge Router

Correct Answer: D

WAN Edge router – This router is responsible for running routing protocols, such as BGP and OSPF, to exchange routing information and make intelligent routing decisions. This enables efficient data forwarding within the SD-WAN network.

QUESTION 7

Refer to the exhibit.

Address Family	<input type="radio"/>  <input checked="" type="radio"/> On <input type="radio"/> Off
Address Family	<input type="radio"/>  ipv4-unicast <input type="text"/>
Maximum Number of Prefixes	<input checked="" type="checkbox"/> <input type="text"/>
Route Policy In	<input checked="" type="checkbox"/> <input type="radio"/> On <input checked="" type="radio"/> Off
Route Policy Out	<input type="radio"/>  <input checked="" type="radio"/> On <input type="radio"/> Off
Policy Name	<input type="radio"/>  eBGP_Community_Policy <input type="text"/>

The engineering must assign tags to 3 Of its 74 server networks as soon as they are advertised to peers. These server network must not be advertised AS which configuration fulfil the requirement?

A)

```
policy
route-policy eBGP_Community_Policy
sequence 1
match
address Community_Prefix
action accept
set
community 999:65000 no-advertise
default-action reject
lists
prefix-list Community_Prefix
ip-prefix 20.20.20.0/24
ip-prefix 21.21.21.0/24
ip-prefix 22.22.22.0/24
```

B)

```
policy
route-policy eBGP_Community_Policy
sequence 1
match
address Community_Prefix
action accept
set
community 999:65000 local-as
default-action reject
lists
prefix-list Community_Prefix
ip-prefix 20.20.20.0/24
ip-prefix 21.21.21.0/24
ip-prefix 22.22.22.0/24
```

C.

```
policy
route-policy eBGP_Community_Policy
sequence 1
match
address Community_Prefix
action accept
set
community 999:65000 no-export
default-action accept
lists
prefix-list Community_Prefix
ip-prefix 20.20.20.0/24
ip-prefix 21.21.21.0/24
ip-prefix 22.22.22.0/24
```

D.

```
policy
route-policy eBGP_Community_Policy
sequence 1
match
address Community_Prefix
action accept
set
community 999:65000 no-advertise
default-action accept
lists
prefix-list Community_Prefix
ip-prefix 20.20.20.0/24
ip-prefix 21.21.21.0/24
ip-prefix 22.22.22.0/24
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Correct Answer: D

QUESTION 8

In which Cisco SD-WAN deployment scenario does Cisco Umbrella SIG deliver the most value?

- A. when Cisco IOS XE SD-WAN devices are deployed throughout the network
- B. when resource-intensive security operations are offloaded from entry-level WAN Edge devices
- C. when the identity of several WAN Edge devices is verified throughout the network
- D. when a centralized Internet breakout solution is implemented

Correct Answer: D

In a centralized Internet breakout scenario, all branch and remote office traffic is routed through a centralized Internet gateway. Cisco Umbrella SIG can be used to provide advanced security services, DNS protection, content filtering, and threat protection for all Internet-bound traffic. This approach enhances security, enforces security policies, and provides a consistent security posture across the entire network.

QUESTION 9

Which component of the Cisco SD-WAN architecture oversees the control plane of overlay network to establish, adjust, and maintain the connections that form the Cisco SD-WAN fabric?

- A. APIC-EM
- B. vSmart
- C. vManage
- D. vBond

Correct Answer: B

Reference: <https://www.cisco.com/c/dam/en/us/td/docs/routers/sdwan/migration-guide/cisco-sd-wan-migration-guide.pdf>

QUESTION 10

DRAG DROP

Drag and drop the phases of TrustSec from the left onto the targets on the right. Not all options are used.

Select and Place:

SGT

classification

dynamic assignment

enforcement

static assignment

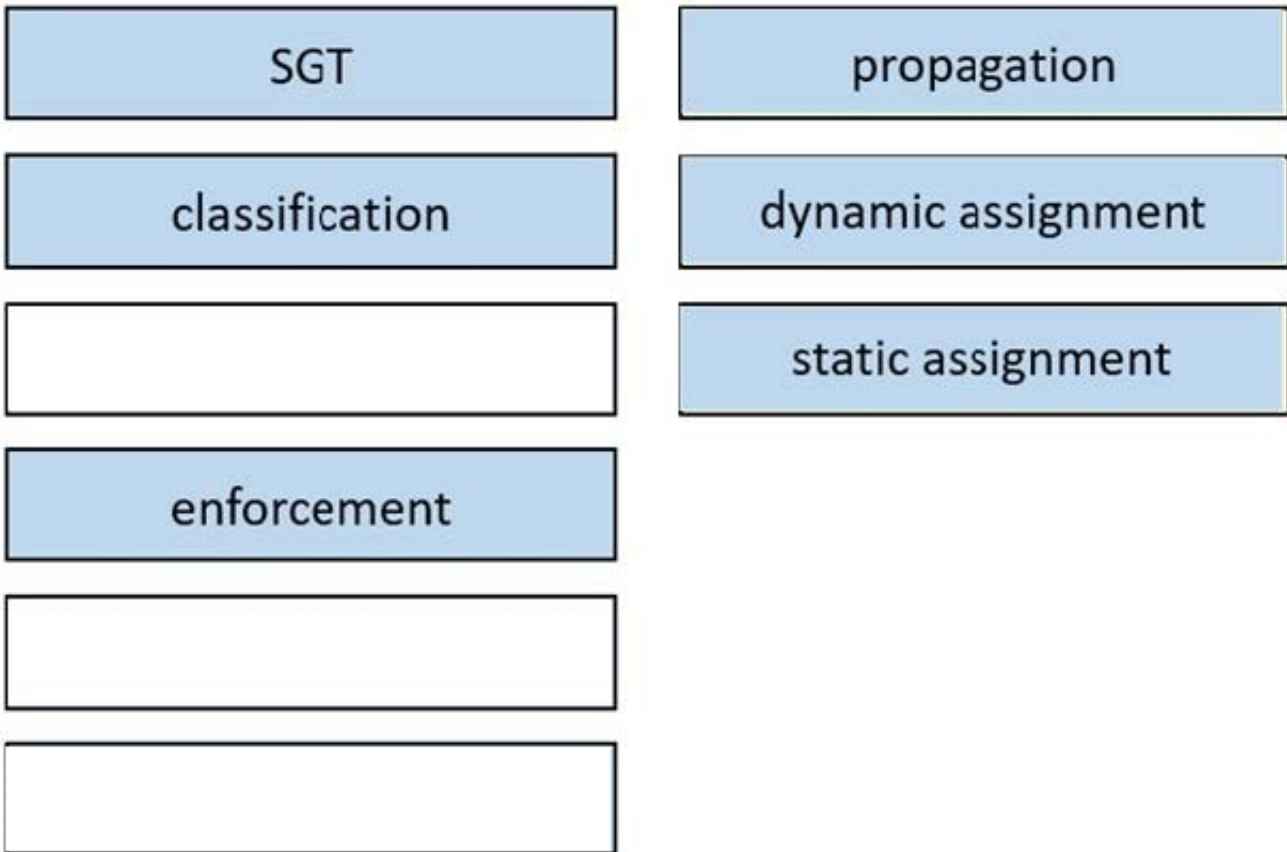
propagation

target 1

target 2

target 3

Correct Answer:



QUESTION 11

Which Cisco SD-WAN configuration provides the advantages of day-zero deployment and reusable configuration components?

- A. configuration groups
- B. configuration via the vBond controller
- C. configuration through a Cisco Prime server
- D. CLI-based templates

Correct Answer: A

QUESTION 12

What is the size of SGT data in the metadata header?

- A. 8 bits

- B. 16 bits
- C. 24 bits
- D. 32 bits

Correct Answer: B

An SGT is a 16-bit single label indicating the security classification of a source in the TrustSec domain. It is appended to an Ethernet frame or an IP packet.

QUESTION 13

Which queue must an engineer configure for control and BFD traffic for convergence on a WAN Edge router?

- A. queue 0
- B. queue 1
- C. queue 2
- D. queue 7

Correct Answer: A

Each interface has eight queues on hardware vEdge routers, numbered from 0 to 7. Queue 0 is reserved and is used for both control traffic and low-latency queuing (LLQ) traffic. For LLQ, any class that is mapped to queue 0 must also be configured to use LLQ. All control traffic is transmitted. Queues 1 to 7 are available for data traffic.

QUESTION 14

Which device in the Cisco SD-WAN solution receives and categorizes event reports, and generates alarms?

- A. vSmart controllers
- B. WAN Edge routers
- C. vBond controllers
- D. vManage NMS

Correct Answer: D

https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_17.1/vManage_NMS_Product_Help

QUESTION 15

How many vManage NMSs should be installed in each domain to achieve scalability and redundancy?

- A. two clusters

- B. two instances
- C. two or more in a cluster
- D. three or more in a cluster

Correct Answer: D

A highly available Cisco SD-WAN network contains three or more vManage NMSs in each domain. This scenario is referred to as a cluster of vManage NMSs, and each vManage NMS in a cluster is referred to as a vManage instance. Each vManage instance or device in a cluster can manage approximately 2000 devices, so a cluster of three vManage devices can manage up to 6000 devices. The vManage devices automatically load-balances the devices that they manage. With three devices, the vManage cluster remains operational if one of the devices in that cluster fail.

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