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QUESTION 1

Which feature allows reachability to an organization's internally hosted applications for an active DNS security policy on a device?

- A. data policy with redirect
- B. local domain bypass
- C. DNSCrypt configuration
- D. DHCP option 6

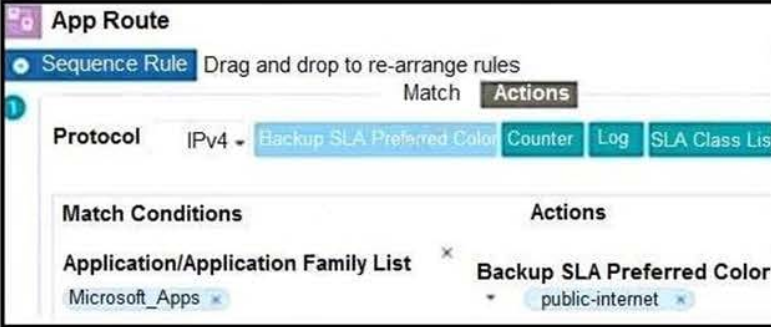
Correct Answer: B

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/security/ios-xe-16/security-book-xe/umbrella-integration.html>

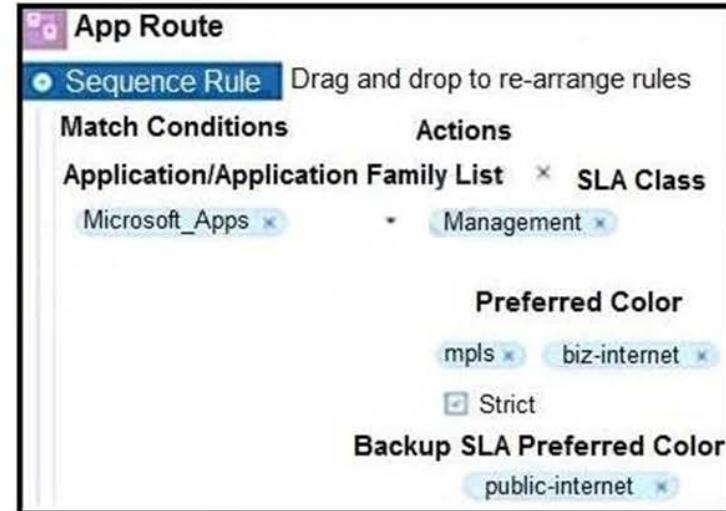
QUESTION 2

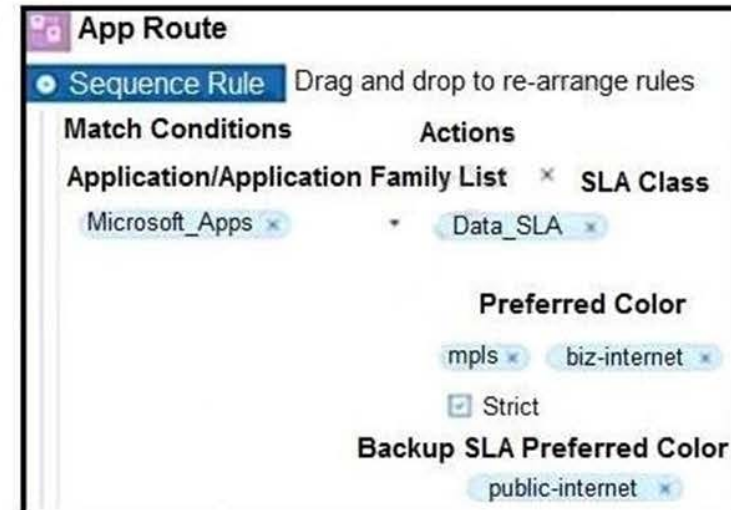
The screenshot shows the configuration for an Application Aware Route Policy (AAR) in a Cisco SD-WAN environment. The policy is named 'AAR' and has a description 'AAR'. It is configured as a 'Sequence Rule' with 'App Route' as the sequence type. The protocol is set to 'IPv4'. The match conditions include 'Application/Application Family List' with 'Google_Apps'. The actions include 'SLA Class' with 'Biz_Internet' and 'Preferred Color' with 'mpls'. A 'Backup SLA Preferred Color' button is highlighted with a red box. At the bottom, there are 'Save Application Aware Routing Policy' and 'CANCEL' buttons.

Refer to the exhibit. A company requires a data traffic policy that uses the “mpls” and “biz-internet” colors for Google Apps if the SLA is met. A link with the “public-internet” color must be used if the other two links violate the data SLA. Which configuration meets these requirements?

A.  This screenshot shows an App Route configuration. The 'Sequence Rule' section is active, with a 'Match' tab selected. Under 'Match', the 'Protocol' is set to 'IPv4'. The 'Actions' section contains four items: 'Backup SLA Preferred Color', 'Counter', 'Log', and 'SLA Class List'. Below this, the 'Match Conditions' section shows 'Application/Application Family List' with 'Microsoft_Apps' selected. The 'Actions' section shows 'Backup SLA Preferred Color' with 'public-internet' selected.

B.  This screenshot shows an App Route configuration. The 'Sequence Rule' section is active, with a 'Match' tab selected. Under 'Match', the 'Protocol' is set to 'IPv4'. The 'Actions' section contains two items: 'Data_SLA' and 'Preferred Color'. Below this, the 'Match Conditions' section shows 'Application/Application Family List' with 'Microsoft_Apps' selected. The 'Actions' section shows 'Data_SLA' with 'Data_SLA' selected, and 'Preferred Color' with 'mpls' and 'biz-internet' selected. Below that, 'Backup SLA Preferred Color' has 'public-internet' selected.

C.  This screenshot shows an App Route configuration. The 'Sequence Rule' section is active, with a 'Match' tab selected. Under 'Match', the 'Protocol' is set to 'IPv4'. The 'Actions' section contains two items: 'Management' and 'Preferred Color'. Below this, the 'Match Conditions' section shows 'Application/Application Family List' with 'Microsoft_Apps' selected. The 'Actions' section shows 'Management' with 'Management' selected, and 'Preferred Color' with 'mpls' and 'biz-internet' selected. Below that, 'Strict' is checked, and 'Backup SLA Preferred Color' has 'public-internet' selected.

D.  This screenshot shows an App Route configuration. The 'Sequence Rule' section is active, with a 'Match' tab selected. Under 'Match', the 'Protocol' is set to 'IPv4'. The 'Actions' section contains two items: 'Data_SLA' and 'Preferred Color'. Below this, the 'Match Conditions' section shows 'Application/Application Family List' with 'Microsoft_Apps' selected. The 'Actions' section shows 'Data_SLA' with 'Data_SLA' selected, and 'Preferred Color' with 'mpls' and 'biz-internet' selected. Below that, 'Strict' is checked, and 'Backup SLA Preferred Color' has 'public-internet' selected.

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

Correct Answer: D

QUESTION 3

Which configuration step is taken on vManage after WAN Edge list is uploaded to support the on-boarding process before the device comes online?

- A. Verify the device certificate
- B. Enable the ZTP process
- C. Set the device as valid
- D. Send the list to controllers

Correct Answer: C

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

QUESTION 4

Refer to the exhibit.

INSTANCE TYPE	REMOTE COLOR	PROTOCOL STATE	SYSTEM	IP ERROR	ID ERROR	ID COUNT	PRIVATE IP DOWNTIME	PORT	PUBLIC IP
0	vamart	tls	1.1.1.3	100	1	100.1.1.3	2020-01-01T10:01:20+0000	23456	100.1.1.3
default		trying	DCONFAIL		10001				

The control connection is failing. Which action resolves the issue?

- A. import vSmart in vManager
- B. Validate the certificates authenticity on vSmart
- C. Upload the WAN Edge list on vManage.
- D. Restore the reachability to the vSmart

Correct Answer: D

<https://www.cisco.com/c/en/us/support/docs/routers/sd-wan/214509-troubleshoot-control-connections.html>

QUESTION 5

When software is upgraded on a vManage NMS, which two image-adding options store images in a local vManage software repository? (Choose two.)

- A. To be downloaded over an ICMP connection
- B. To be downloaded over a SNMP connection
- C. To be downloaded over a control plane connection
- D. To be downloaded over an out-of-band connection
- E. To be downloaded over a SMTP connection

Correct Answer: CD

Reference: https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.2/Maintenance/Software_Repository

QUESTION 6

A customer is receiving routes via OMP from vSmart controller for a specific VPN. The customer must provide access to the W2 loopback received via OMP to the OSPF neighbour on the service-side VPN. Which configuration fulfils these requirements?

```
A.  vpn 0
    router
    ospf
      redistribute omp route-policy OSPF_Route_Policy
    area 0
    interface ge0/2
    exit
  lists
    prefix-list W2_Loopback
    ip-prefix 10.10.10.5/24
  !
  route-policy OSPF_Route_Policy
  sequence 1
    match
      address W2_Loopback
  !
  default action accept
  set
    metric 100
    metric_type type1
```

```
B.  vpn 0
    router
    ospf
    redistribute omp route-policy OSPF_Route_Policy
    area 0
    interface ge0/2
    exit
    lists
    prefix-list W2_Loopback
    ip-prefix 10.10.10.5/32
    !
    route-policy OSPF_Route_Policy
    sequence 1
    match
    address W2_Loopback
    metric_type type1
```

```
C.  vpn 0
    router
    ospf
    redistribute omp route-policy OSPF_Route_Policy
    area 0
    interface ge0/2
    exit
    lists
    prefix-list W2_Loopback
    ip-prefix 10.10.10.5/32
    !
    route-policy OSPF_Route_Policy
    sequence 1
    match
    address W2_Loopback
    !
    action accept
    set
    metric 100
    metric_type type2
```

```
D.  vpn 10
    name ""**Service VPN 10 **""
    router
    ospf
    redistribute omp route-policy OSPF_Route_Policy
    area 0
    interface ge0/2
    exit
    lists
    prefix-list W2_Loopback
    ip-prefix 10.10.10.5/32
    !
    route-policy OSPF_Route_Policy
    sequence 1
    match
    address W2_Loopback
    !
    default action accept
    set
    metric 100
    metric_type type1
```

```
E.  vpn 10
    name ""**Service VPN 10 **""
    router
    ospf
    redistribute omp route-policy OSPF_Route_Policy
    area 0
    interface ge0/2
    exit
    lists
    prefix-list W2_Loopback
    ip-prefix 10.10.10.5/32
    !
    route-policy OSPF_Route_Policy
    sequence 1
    match
    address W2_Loopback
    !
    action accept
    set
    metric 100
    metric_type type1
```

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

Correct Answer: E

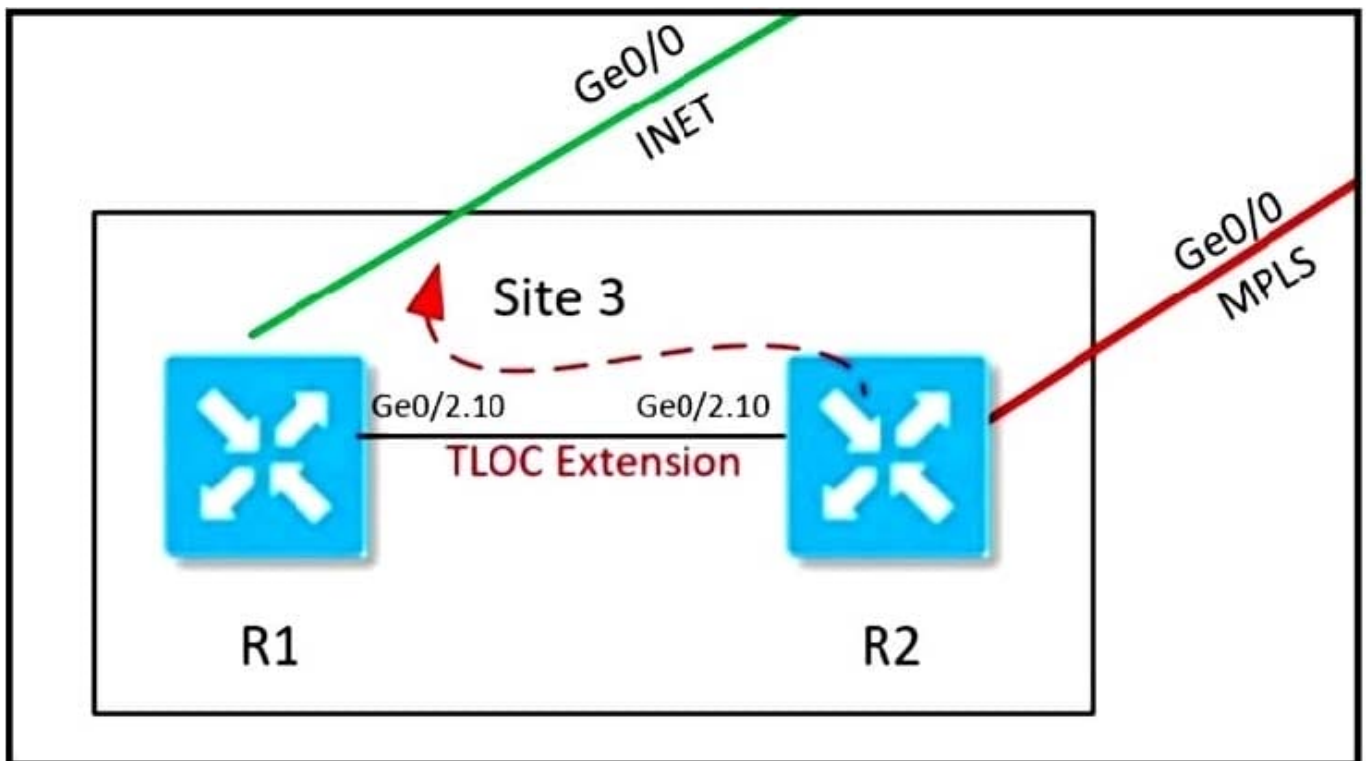
Answer must start with VPN 10(service side) and should have metric-type 1 and not with VPN 0 (transport side)

There is no possibility to SET something within the Default-Action configuration mode.

Structural Components for Localized Control Policy policy lists as-path-list list-name as-path path-list community-list list-name community [aa:nn | internet | local-as | no-advertise | no-export] ext-community-list list-name community [rt (aa:nn | ip-address) | soo (aa:nn | ip-address)] prefix-list list-name ip-prefix prefix/length route-policy policy-name sequence number match match-parameters action reject accept set parameters default-action (accept | reject) vpn vpn-id router bgp local-as-number neighbor address address-family ipv4-unicast route-policy policy-name (in | out) vpn vpn-id router ospf route-policy policy-name in redistribute (bgp | connected | nat | omp | static) route-policy policy-name

QUESTION 7

Refer to the exhibit.



Which configuration extends the INET interface on R1 to be used by R2 for control and data connections?

A.

```

R1
interface ge0/2
no shutdown
interface ge0/2.10
ip address 43.43.43.2/30
tloc-extension ge0/0

R2
interface ge0/2
no shutdown
interface ge0/2.10
ip address 43.43.43.1/30
tloc-extension ge0/0
    
```

B.

```

R1
interface ge0/2
interface ge0/2.10
ip address 43.43.43.2/30
tloc-extension ge0/0
tunnel-interface
color public-internet

R2
interface ge0/2
interface ge0/2.10
ip address 43.43.43.1/30
tunnel-interface
color public-internet
    
```

C.

```

R1
interface ge0/2
mtu 1504
no shutdown
interface ge0/2.10
ip address 43.43.43.2/30
tloc-extension ge0/0

R2
interface ge0/2
mtu 1504
no shutdown
interface ge0/2.10
ip address 43.43.43.1/30
tunnel-interface
color public-internet
    
```

A. Option A

B. Option B

C. Option C

Correct Answer: C

<https://www.ciscolive.com/c/dam/r/ciscolive/us/docs/2018/pdf/BRKRST-2091.pdf>

Subinterfaces require a physical, parent interface to be defined in VPN 0, and also require the subinterface MTU to be four bytes lower than the physical interface due to the 802.1q tag. It is recommended to configure the parent physical interface for an MTU of 1504 to take care of this requirement.

QUESTION 8

Which device in the 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 9

An engineer builds a three-node vManage cluster and then realizes that multiple nodes are unnecessary for the size of the company. How should the engineer revert the setup to a single vManage?

- A. Use the cluster conversion utility to convert to standalone vManage.
- B. Restore vManage from the backup VM snapshot.
- C. Leave the cluster as is and point to one vManage.
- D. Remove two nodes from the three-node vManage cluster.

Correct Answer: D

Reference: https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.1/Administration/Cluster_Management

QUESTION 10

Which data policy configuration influences BGP routing traffic flow from LAN to WAN?

A.

```
policy
route-policy BGP-AS-PREPEND
sequence 10
action accept
set
as-path prepend 10, 20
!
default action accept

vpn 10
router
ospf
route-policy BG-AS-PREPEND in
```

B.

```
policy
route-policy BGP-AS-PREPEND
sequence 10
action deny
set
as-path prepend 10, 20
!
default-action accept

vpn 10
router
ospf
route-policy EG-AS-PREPEND out
```

C.

```
policy
route-policy BGP-AS-PREPEND
sequence 10
action accept
set
as-path prepend 10, 20
!
default-action accept

vpn 10
router
ospf
route-policy BG-AS-PREPEND in
```

D.

```
policy
route-policy BGP-AS-PREPEND
sequence 10
action accept
set
as-path prepend 10, 20
!
default-action accept

vpn 10
router
ospf
route-policy BG-AS-PREPEND out
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

QUESTION 11

Which issue triggers the Cisco Umbrella resolver to forward DNS requests to the intelligent proxy?

- A. A domain is nonexistent.
- B. A domain is block-listed.
- C. A domain is locally reachable.
- D. A domain is grey-listed.

Correct Answer: D

QUESTION 12

Which two sets of identifiers does OMP carry when it advertises TLOC routes between WAN Edge routers? (Choose two.)

- A. TLOC public and private address, carrier, and preference
- B. source and destination IP address, MAC, and site ID
- C. system IP address, link color, and encapsulation
- D. VPN ID, local site network, and BGP next-hop IP address
- E. TLOC public and private address, tunnel ID, and performance

Correct Answer: AC

QUESTION 13

Which protocol is used by the REST API to communicate with network devices in the Cisco SD-WAN network?

- A. HTTP
- B. SSL
- C. IPsec
- D. SSH

Correct Answer: A

QUESTION 14

What are the two prerequisites for a Cloud OnRamp for SaaS feature to show the accurate vQoE score? (Choose two.)

- A. internet exit in VPN0

- B. NAT in VPN 0
- C. Cloud OnRamp enabled on WAN Edge router
- D. static route tracker for SaaS application
- E. DNS in service VPN

Correct Answer: CE

QUESTION 15

What are the two advantages of deploying cloud-based Cisco SD-WAN controllers? (Choose two.)

- A. centralized control and data plane
- B. infrastructure as a service
- C. management of SLA
- D. centralized raid storage of data
- E. distributed authentication policies

Correct Answer: BC

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