

➤ **Vendor: Cisco**

➤ **Exam Code: 300-415**

➤ **Exam Name: Implementing Cisco SD-WAN Solutions (ENSDWI)**

➤ **New Updated Questions from [Braindump2go](#)**

➤ **(Updated in [February/2022](#))**

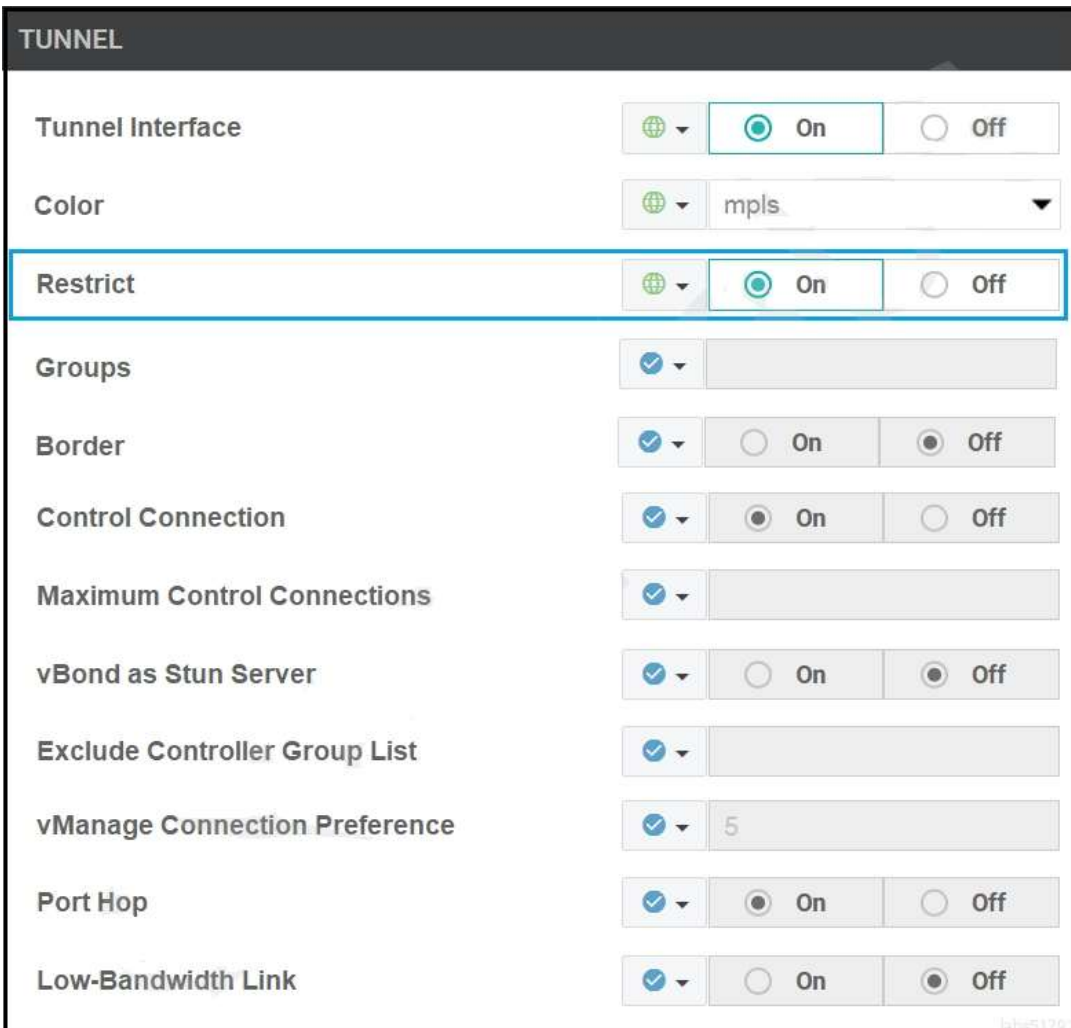
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QUESTION 182

Company E wants to deploy Cisco SD-WAN with controllers in AWS. The company's existing WAN is on private MPLS without Internet access to controllers in AWS. An Internet circuit is added to a site in addition to the existing MPLS circuit.

Which interface template establishes BFD neighbors over both transports?

A.



TUNNEL	
Tunnel Interface	<input checked="" type="radio"/> On <input type="radio"/> Off
Color	mpls
Restrict	<input checked="" type="radio"/> On <input type="radio"/> Off
Groups	
Border	<input type="radio"/> On <input checked="" type="radio"/> Off
Control Connection	<input checked="" type="radio"/> On <input type="radio"/> Off
Maximum Control Connections	
vBond as Stun Server	<input type="radio"/> On <input checked="" type="radio"/> Off
Exclude Controller Group List	
vManage Connection Preference	5
Port Hop	<input checked="" type="radio"/> On <input type="radio"/> Off
Low-Bandwidth Link	<input type="radio"/> On <input checked="" type="radio"/> Off

B.

TUNNEL	
Tunnel Interface	<input type="radio"/> On <input checked="" type="radio"/> Off
Color	mpls
Restrict	<input type="radio"/> On <input checked="" type="radio"/> Off
Groups	
Border	<input type="radio"/> On <input checked="" type="radio"/> Off
Control Connection	<input checked="" type="radio"/> On <input type="radio"/> Off
Maximum Control Connections	0
vBond as Stun Server	<input type="radio"/> On <input checked="" type="radio"/> Off
Exclude Controller Group List	
vManage Connection Preference	5
Port Hop	<input checked="" type="radio"/> On <input type="radio"/> Off
Low-Bandwidth Link	<input type="radio"/> On <input checked="" type="radio"/> Off

C.

TUNNEL	
Tunnel Interface	<input type="radio"/> On <input checked="" type="radio"/> Off
Color	mpls
Restrict	<input type="radio"/> On <input checked="" type="radio"/> Off
Groups	
Border	<input type="radio"/> On <input checked="" type="radio"/> Off
Control Connection	<input checked="" type="radio"/> On <input type="radio"/> Off
Maximum Control Connections	
vBond as Stun Server	<input checked="" type="radio"/> On <input type="radio"/> Off
Exclude Controller Group List	
vManage Connection Preference	5
Port Hop	<input checked="" type="radio"/> On <input type="radio"/> Off
Low-Bandwidth Link	<input type="radio"/> On <input checked="" type="radio"/> Off

D. **TUNNEL**

Tunnel Interface	<input type="radio"/> On <input checked="" type="radio"/> Off
Color	mpls
Restrict	<input type="radio"/> On <input checked="" type="radio"/> Off
Groups	
Border	<input type="radio"/> On <input checked="" type="radio"/> Off
Control Connection	<input checked="" type="radio"/> On <input type="radio"/> Off
Maximum Control Connections	1
vBond as Stun Server	<input type="radio"/> On <input checked="" type="radio"/> Off
Exclude Controller Group List	
vManage Connection Preference	5
Port Hop	<input checked="" type="radio"/> On <input type="radio"/> Off
Low-Bandwidth Link	<input type="radio"/> On <input checked="" type="radio"/> Off

Answer: A

QUESTION 183

Which secure tunnel type should be used to connect one WAN Edge router to other WAN Edge routers?

- A. DTLS
- B. SSL VPN
- C. IPsec
- D. TLS

Answer: C

QUESTION 184

What is the default value (in milliseconds) set for the poll interval in the BFD basic configuration?

- A. 300,000
- B. 600,000
- C. 900,000
- D. 1,200,000

Answer: B

Explanation:

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<https://www.braindump2go.com/300-415.html>

https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.2/Configuration/Templates/BFD

QUESTION 185

Which plane builds and maintains the network topology and makes decisions on traffic flows?

- A. data
- B. orchestration
- C. management
- D. control

Answer: D

QUESTION 186

How is TLOC defined?

- A. It is represented by a unique identifier to specify a site in a SD-WAN architecture.
- B. It specifies a Cisco SD-WAN overlay in a multitenant vSMART deployment.
- C. It is represented by a group of QoS policies applied to a WAN Edge router.
- D. It is a unique collection of GRE or IPsec encapsulations, link color, and system IP address.

Answer: D

QUESTION 187

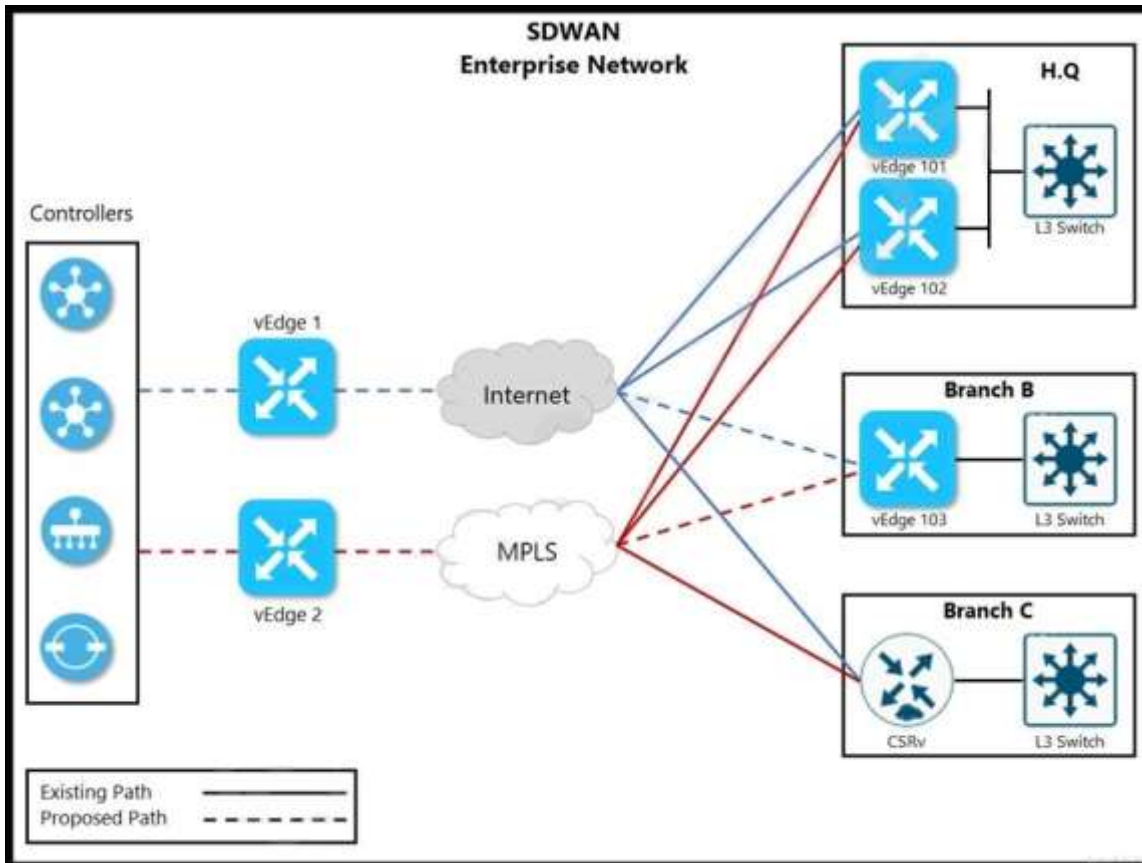
Which vBond system configuration under VPN 0 allows for a routable public IP address even if the DNS name, hostname, or IP address of the vBond orchestrator are omitted?

- A. WAN
- B. local
- C. dns-name
- D. vbond-only

Answer: B

QUESTION 188

Refer to the exhibit. The network team must configure branch B WAN Edge device 103 to establish dynamic full-mesh IPsec tunnels between all colors with branches over MPLS and Internet circuits.



The branch is configured with:

```
viptela-system:system
device-model vedge-cloud
host-nam vEdge-Cloud
location CA
system-ip 10.4.4.4
domain-id 1
site-id 1
organization-name ABC
clock timezone US/Newyork
vbond 10.10.0.1 port 12346
```

```
omp
no shutdown
graceful-restart
```

```
vpn 512
interface eth0
ip address 10.0.0.1/24
no shutdown
```

A vpn 0

```
· interface ge0/0
  description "**** Inter
  ip address 209.165.2
  tunnel-interface
  encapsulation ipsec
  color public-interne
  allow-service all
```

```
interface ge0/1
  description "**** MPL
  ip address 10.10.0.10
  tunnel-interface
  encapsulation ipsec
  color mpls
  allow-service all
```

B vpn 0

```
· interface ge0/0
  description "**** Inter
  ip address 209.165.2
  tunnel-interface
  encapsulation ipsec
  color public-interne
  allow-service all
```

```
vpn 1
interface ge0/1
  description "**** MPL
  ip address 10.10.0.10
  tunnel-interface
  encapsulation ipsec
  color mpls
  allow-service all
```

C vpn 0

```
· interface ge0/0
  description "**** Inter
  ip address 209.165.2
  tunnel-interface
  encapsulation ipsec
  color public-interne
  group 500
  allow-service all
```

```
interface ge0/1
  description "**** MPL
  ip address 10.10.0.10
  tunnel-interface
  encapsulation ipsec
  color mpls restrict
  group 50
  allow-service all
```

D vpn 0





```
· interface ge0/0
  description "**** Inter
  ip address 209.165.2
  tunnel-interface
  encapsulation ipsec
  color public-interne
  allow-service all
```

```
interface ge0/1
  description "**** MPL
  ip address 10.10.0.10
  tunnel-interface
  encapsulation ipsec
  color mpls restrict
  allow-service all
```

Answer: D

QUESTION 189

Refer to the exhibit. The engineering must assign community tags to 3 of its 74 critical server networks as soon as possible as they are advertised to BGP peers. These server networks must not be advertised outside AS. Which configuration fulfills this requirement?

Address Family	<input type="radio"/>  <input checked="" type="radio"/> On <input type="radio"/> Off
Address Family	<input type="radio"/>  ipv4-unicast <input type="text" value="x"/>
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

```
A. 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
```

- 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 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

Answer: B

QUESTION 190

WAN Edge routers are configured manually to use UDP port offset to use nondefault offset values when IPsec tunnels are created. What is the offset range?

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- A. 1-19
- B. 0-18
- C. 0-19
- D. 1-18

Answer: C

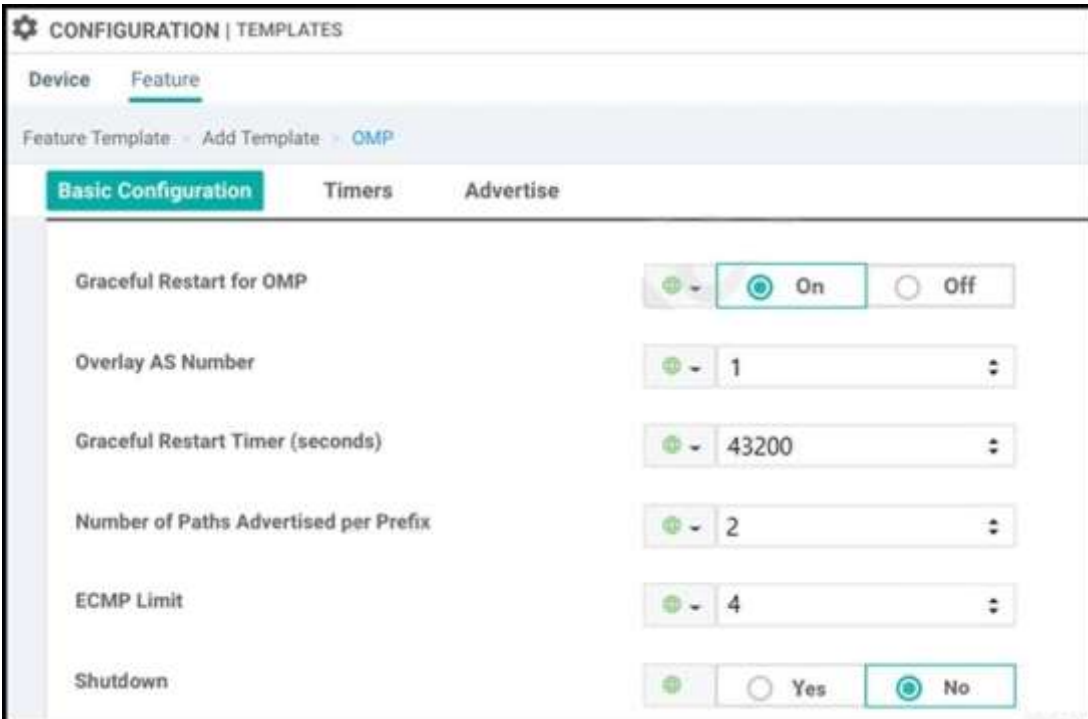
Explanation:

<https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2020/pdf/R6BGArNQ/TECSEC-2355.pdf>

QUESTION 191

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.



Feature	Value
Graceful Restart for OMP	On
Overlay AS Number	1
Graceful Restart Timer (seconds)	43200
Number of Paths Advertised per Prefix	2
ECMP Limit	4
Shutdown	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

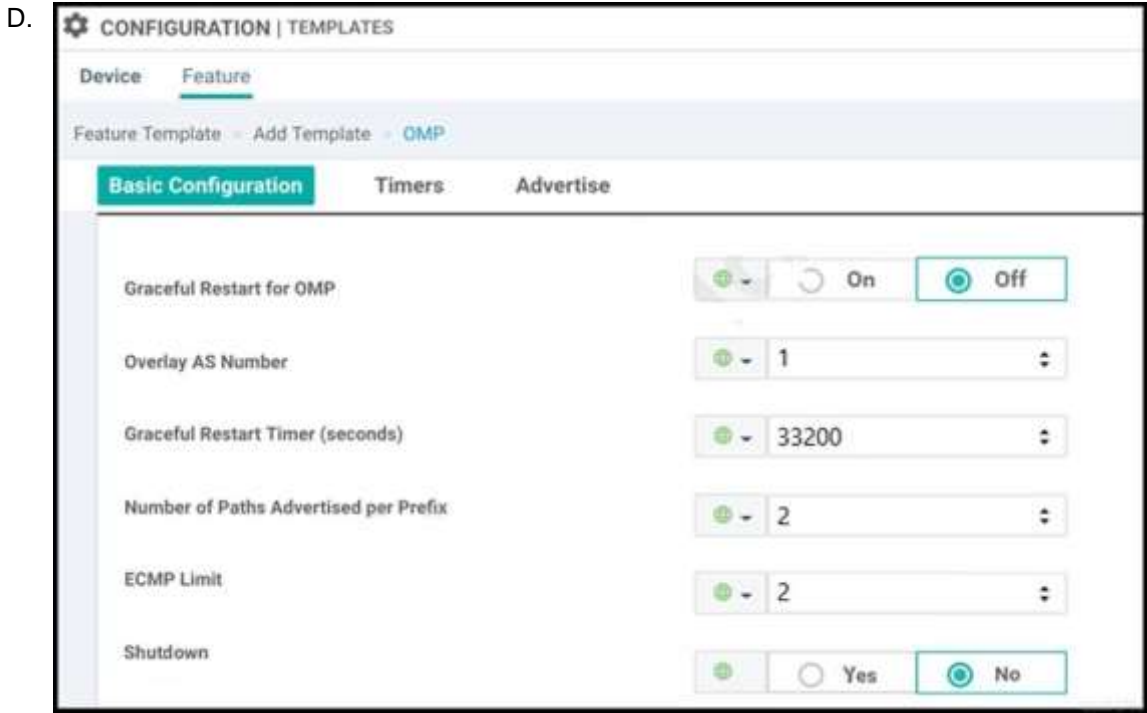
Overlay AS Number 1

Graceful Restart Timer (seconds) 43200

Number of Paths Advertised per Prefix 2

ECMP Limit 2

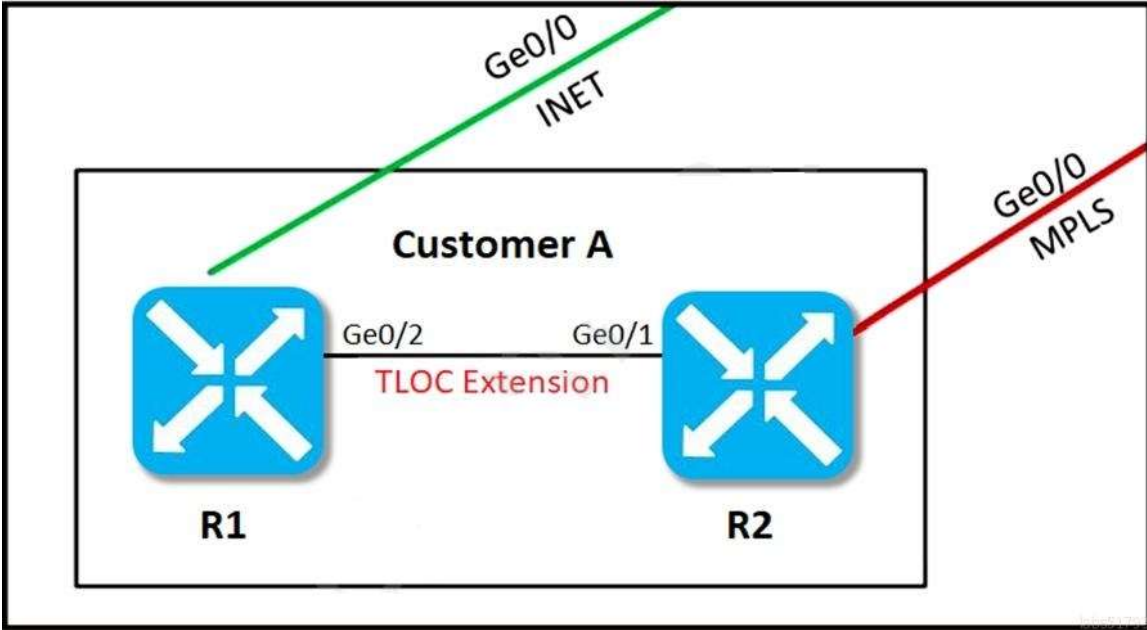
Shutdown Yes No



Answer: A

QUESTION 192

Refer to the exhibit. An MPLS connection on R2 must extend to R1. Users behind R1 must have dual connectivity for data traffic. Which configuration provides R1 control connectivity over the MPLS connection?



- A. R1
interface ge0/2
ip address 34.34.34.1/30
tloc-extension ge0/1
- R2
interface ge0/0
ip address 34.34.34.2/30
tunnel-interface
color mpls
- B. R1
interface ge0/2
ip address 34.34.34.1/30
tloc-extension ge0/1
tunnel-interface
color mpls
- R2
interface ge0/2
ip address 34.34.34.2/30
tloc-extension ge0/0
tunnel-interface
color public-internet
- C. R1
interface ge0/2
ip address 34.34.34.1/30
tunnel-interface
color mpls
control connection
- R2
interface ge 0/2
ip address 34.34.34.3/30
tloc-extension ge0/0
- D. R1
interface ge0/2
ip address 34.34.34.1/30
tunnel-interface
color mpls
- R2
interface ge0/2
ip address 34.34.34.2/30
tloc-extension ge0/0

Answer: D



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