

# 2025 Latest 300-410 Test Voucher - Cisco Implementing Cisco Enterprise Advanced Routing and Services - Latest High 300-410 Passing Score



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Cisco 300-410 exam is a certification test designed for IT professionals who want to prove their proficiency in implementing advanced enterprise routing and services solutions. 300-410 exam is part of the Cisco Certified Network Professional (CCNP) Enterprise certification track and is an essential requirement for professionals that want to advance their careers in network engineering, design and implementation.

## What is Cisco 300-410 ENARSI Exam

Cisco Certified Network Associate (CCNA) is an entry-level Cisco networking certification for associate-level network engineers introduced in the year 1995. It covers topics on LAN, WAN, wireless, routing and switching, services introduction including DNS, DHCP. Experience level: The candidate should have basic knowledge about networking concepts like IP addressing, subnetting, default gateway/route, and routing. List of exams: There are two exams associated with CCNA, Cisco 300-070 Interconnecting Cisco Networking Devices Part 1 (ICND1) AND Cisco 300-080 Interconnecting Cisco Networking Devices Part 2 (ICND2) 300-100 Managing Industrial Networks with Cisco Network.

Tech Target analyst firm Gartner has the following to say about the latest CCNA certification requirement changes that took effect on September 6th, 2010. Paying attention to the latest updates of Cisco certification details is more than just a good idea, it is also in your best interest. Smarter people choose to react faster to the changes in the Cisco certification industry rather than wait for them to be released by Cisco. **Cisco 300-410 Dumps** is available for all the candidates who are preparing for the Cisco 300-410 exam. The Cisco 300-410 exam is now part of the Associate Level Certifications.

Cisco 300-410 certification exam is an important requirement for IT professionals who wish to specialize in enterprise network infrastructure implementation. Implementing Cisco Enterprise Advanced Routing and Services certification exam tests the candidate's knowledge and understanding of advanced routing technologies and services, as well as their ability to troubleshoot complex network issues. Successful completion of the exam demonstrates that the candidate has the necessary skills and knowledge to implement and manage advanced routing and services in an enterprise network, thereby enhancing their value and career prospects in the IT industry.

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## Pass Guaranteed Quiz 2025 Cisco Useful 300-410: Latest Implementing Cisco Enterprise Advanced Routing and Services Test Voucher

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### Cisco Implementing Cisco Enterprise Advanced Routing and Services Sample Questions (Q306-Q311):

#### NEW QUESTION # 306

Configure individual VRFs for each customer according to the topology to achieve these goals :

The screenshot displays the Cisco Packet Tracer interface. On the left, a 'Topology Diagram' shows a network with two customer groups: 'Customer RED' (top) and 'Customer GREEN' (bottom). Customer RED includes routers R1 and R2, and switches SW1 and SW2. Customer GREEN includes routers R3 and R4, and switches SW3 and SW4. A central BGP AS (65000) is shown connecting the two customer groups. The right pane shows the configuration for router R1, with a list of tasks to be completed:

- 1. VRF "ou-red" has interfaces on routers R1 and R2. Both routers are preconfigured with IP addressing, VRFs, and BGP. Do not use the BGP network displayed for simplification.
- 2. VRF "ou-green" has interfaces on routers R3 and R4. Both routers are preconfigured with IP addressing, VRFs, and BGP.
- 3. BGP on router R1 populates VRF routing tables for router R1 and R2.
- 4. BGP on router R2 populates VRF routing tables between router R1 and R2.
- 5. LAN to LAN connectivity between SW1 and SW3 for VRF "ou-red" and between SW2 and SW4 for VRF "ou-green". All switches are preconfigured.

R1

R1

R2

SW1

SW2

SW3

SW4

```
R1>
R1>
R1>
R1>
R1>en
R1#sh run
Building configuration...
```

Current configuration : 1353 bytes

!

version 15.8

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname R1

!

boot-start-marker

boot-end-marker

!

!

!

no aaa new-model

!

!

!



R1

R2

SW1

SW2

SW3

SW4

CHINESEDUMPS  
通过测试ip vrf cu-green  
rd 65000:200ip vrf cu-red  
rd 65000:100no ip domain lookup  
ip cef

no ipv6 cef

multilink bundle-name authenticated

R1 R2 SW1 SW2 SW3 SW4

CHINESEDUMPS  
通过测试interface Loopback0  
ip address 10.10.1.1 255.255.255.255interface Ethernet0/0  
ip address 192.168.1.254 255.255.255.0  
duplex autointerface Ethernet0/1  
ip address 192.168.20.254 255.255.255.0  
duplex autointerface Ethernet0/2  
no ip address  
duplex autointerface Ethernet0/2.100  
encapsulation dot1q 100  
ip address 10.10.10.1 255.255.255.252interface Ethernet0/2.200  
encapsulation dot1q 200  
ip address 10.10.20.1 255.255.255.252

R1R2SW1SW2SW3SW4

interface Ethernet0/2.200  
encapsulation dot1Q 200  
ip address 10.10.20.1 255.255.255.252  
!  
interface Ethernet0/3  
no ip address  
shutdown  
duplex auto  
!  
router bgp 65000  
bgp log-neighbor-changes  
no bgp default ipv4-unicast  
!  
ip forward-protocol nd  
!  
!  
no ip http server  
no ip http secure-server  
!  
ipv6 ioam timestamp  
!  
!  
control-plane  
!  
!

CHINESEDUMPS  
通过测试

CISCO

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R2

R1R2SW1SW2SW3SW4

CISCO

R2>en  
R2#Show run  
Building configuration...  
Current configuration : 1353 bytes  
!  
version 15.8  
service timestamps debug datetime msec  
service timestamps log datetime msec  
no service password-encryption  
!  
hostname R2  
!  
boot-start-marker  
boot-end-marker  
!  
!  
!  
no aaa new-model  
!  
!  
!  
clock timezone PST 8 0  
mmi polling-interval 60  
no mmi auto-configure

R1R2SW1SW2SW3SW4

CISCO

ip vrf cu-green  
rd 65000:200  
!  
ip vrf cu-red  
rd 65000:100  
!  
!  
!  
no ip domain lookup  
ip cef  
no ipv6 cef  
multilink bundle-name authenticated  
!  
!

R1 R2 SW1 SW2 SW3 SW4

```

!
CHINESEDUMPS
!
interface Loopback0
ip address 10.10.2.2 255.255.255.255
!
interface Ethernet0/0
ip address 192.168.2.254 255.255.255.0
duplex auto
!
interface Ethernet0/1
ip address 192.168.2.1 255.255.255.0
duplex auto
!
interface Ethernet0/2
no ip address
duplex auto
!
interface Ethernet0/2.100
encapsulation dot1Q 100
ip address 10.10.10.2 255.255.255.252
!
interface Ethernet0/2.200
encapsulation dot1Q 200
ip address 10.10.20.2 255.255.255.252
!

```

R1 R2 SW1 SW2 SW3 SW4

```

interface Ethernet0/2.200
encapsulation dot1Q 200
ip address 10.10.20.2 255.255.255.252
!
interface Ethernet0/3
no ip address
shutdown
duplex auto
!
router bgp 65000
bgp log-neighbor-changes
no bgp default ipv4-unicast
!
ip forward-protocol nd
!
!
no ip http server
no ip http secure-server
!
ipv6 ioam timestamp
!
!
control-plane
!
!

```

SW1













```

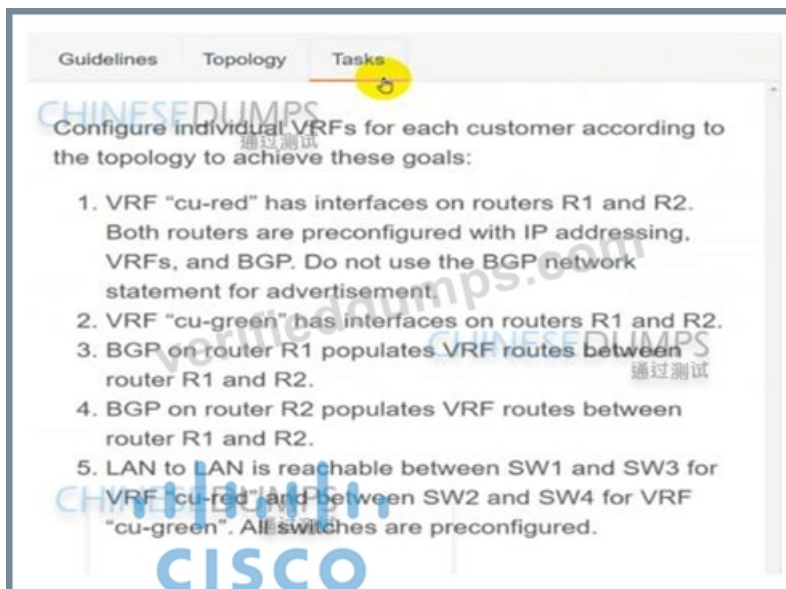
switchport
ip address 192.168.1.1 255.255.255.0
interface Ethernet0/1
interface Ethernet0/2
interface Ethernet0/3
forward-protocol nd
http server
http secure-server
route 0.0.0.0 0.0.0.0 192.168.1.254
ssh server algorithm encryption aes128-ctr aes192-ctr
ssh client algorithm encryption aes128-ctr aes192-ctr

```

```
SW4>en
SW4#show run
Building configuration...

Current configuration : 944 bytes
!
! Last configuration change at 04:43:09 PST Sat May 7 2022
!
version 15.2
service timestamps debug datetime msec
service timestamps log datetime msec
!
no service password-encryption
service compress-config
!
hostname SW4
!
boot-start-marker
boot-end-marker
!
!
!
no aaa new-model
clock timezone PST -8
!
```





U U.U

Success rate is 0 percent (0/5)

SW1#ping 192.168.20.1

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.20.1, timeout is 2 seconds:

U U.U

Success rate is 0 percent (0/5)

Same Test for SW2:

From SW2 to SW4:

SW2#ping 192.168.20.1

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.20.1, timeout is 2 seconds:

!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/1 ms

But can't Reach SW3 or SW1 in VRF cu-red:

SW2#ping 192.168.1.1

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.1.1, timeout is 2 seconds:

U U.U

Success rate is 0 percent (0/5)

SW2#ping 192.168.2.1

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.2.1, timeout is 2 seconds:

U U.U

Success rate is 0 percent (0/5)

Both R1 & R2 has separate tables for VRFs cu-red and cu-green.

- A. See the solution below in Explanation

**Answer: A**

Explanation:

Solution:

Use cu-red under interfaces facing SW1 & SW3:

On R1:

```
interface Ethernet0/0
```

```
ip vrf forwarding cu-red
```

```
ip address 192.168.1.254 255.255.255.0
```

Check reachability to SW1:

```
R1#ping vrf cu-red 192.168.1.1
```

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.2.1, timeout is 2 seconds:

!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/1 ms

On R2:

```
interface Ethernet0/0
```

```
ip vrf forwarding cu-red
```

```
ip address 192.168.2.254 255.255.255.0
```

Check reachability to SW3:

```
R2#ping vrf cu-red 192.168.2.1
```

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.1.1, timeout is 2 seconds:

!!!!

Use vrf cu-green for SW2 & SW4:

On R1:

```
interface Ethernet0/1
```

```
ip vrf forwarding cu-green
```

```
ip address 192.168.20.254 255.255.255.0
```

Test reachability to SW2:

```
R1#ping vrf cu-green 192.168.20.1
```

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.22.1, timeout is 2 seconds:

!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/1 ms

On R2:

```
interface Ethernet0/1
```

```
ip vrf forwarding cu-green
```

```
ip address 192.168.22.254 255.255.255.0
```

Test reachability to SW4:

```
R2#ping vrf cu-green 192.168.22.1
```

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.20.1, timeout is 2 seconds:

!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/1 ms

On R1:

```
interface Ethernet0/2.100
```

```
mpls ip
```

!

```
interface Ethernet0/2.200
```

```
mpls ip
```

!

Configure BGP:

```
router bgp 65000
```

```
neighbor 10.10.10.2 remote-as 65000
```

```
neighbor 10.10.20.2 remote-as 65000
```

!

```
address-family vpnv4
```

```
neighbor 10.10.10.2 activate
```

```
neighbor 10.10.20.2 activate
```

```
exit-address-family
```

!

```
address-family ipv4 vrf cu-green
```

```
redistribute connected
```

```
exit-address-family
```

!

```
address-family ipv4 vrf cu-red
```

```
redistribute connected
```

```
exit-address-family
```

!

```
R1(config)#ip vrf cu-red
```

```
R1(config-vrf)#route-target both 65000:100
```

!

```
R1(config)#ip vrf cu-green
```

```
R1(config-vrf)#route-target both 65000:200
```



```

On R2:
interface Ethernet0/2.100
mpls ip
!
interface Ethernet0/2.200
mpls ip
!
router bgp 65000
neighbor 10.10.10.1 remote-as 65000
neighbor 10.10.20.1 remote-as 65000
!
address-family vpnv4
neighbor 10.10.10.1 activate
neighbor 10.10.20.1 activate
exit-address-family
!
address-family ipv4 vrf cu-green
redistribute connected
exit-address-family
!
address-family ipv4 vrf cu-red
redistribute connected
exit-address-family
R2(config)#ip vrf cu-red
R2(config-vrf)#route-target both 65000:100
!
R2(config)#ip vrf cu-green
R2(config-vrf)#route-target both 65000:200
Verification:
From SW1 to SW3:
SW1#ping 192.168.1.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.1.1, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/1 ms
But can't Reach SW2 or SW4 in VRF cu-green:
SW1#ping 192.168.22.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.22.1, timeout is 2 seconds:

```

### NEW QUESTION # 307

Refer to the exhibit.

```

interface loopback0
ip address 4.4.4.4 255.255.255.0
!
interface FastEthernet1/0
Description ***** WAN link *****
ip address 10.0.0.1 255.255.255.0
!
interface FastEthernet1/1
Description ***** LAN Network *****
ip address 192.168.1.1 255.255.255.0
!
!
router ospf 1
router-id 4.4.4.4
log-adjacency-changes
network 4.4.4.4 0.0.0.0 area 0
network 10.0.0.1 0.0.0.0 area 0
network 192.168.1.1 0.0.0.0 area 10
!

```

Which set of commands restore reachability to loopback0?

A)

```

interface loopback0
ip address 4.4.4.4 255.255.255.0
ip ospf network point-to-point

```

B)

```

interface loopback0
ip address 4.4.4.4 255.255.255.0
ip ospf network broadcast

```

C)

```

interface loopback0
ip address 4.4.4.4 255.255.255.0
ip ospf interface area 10

```

D)

```

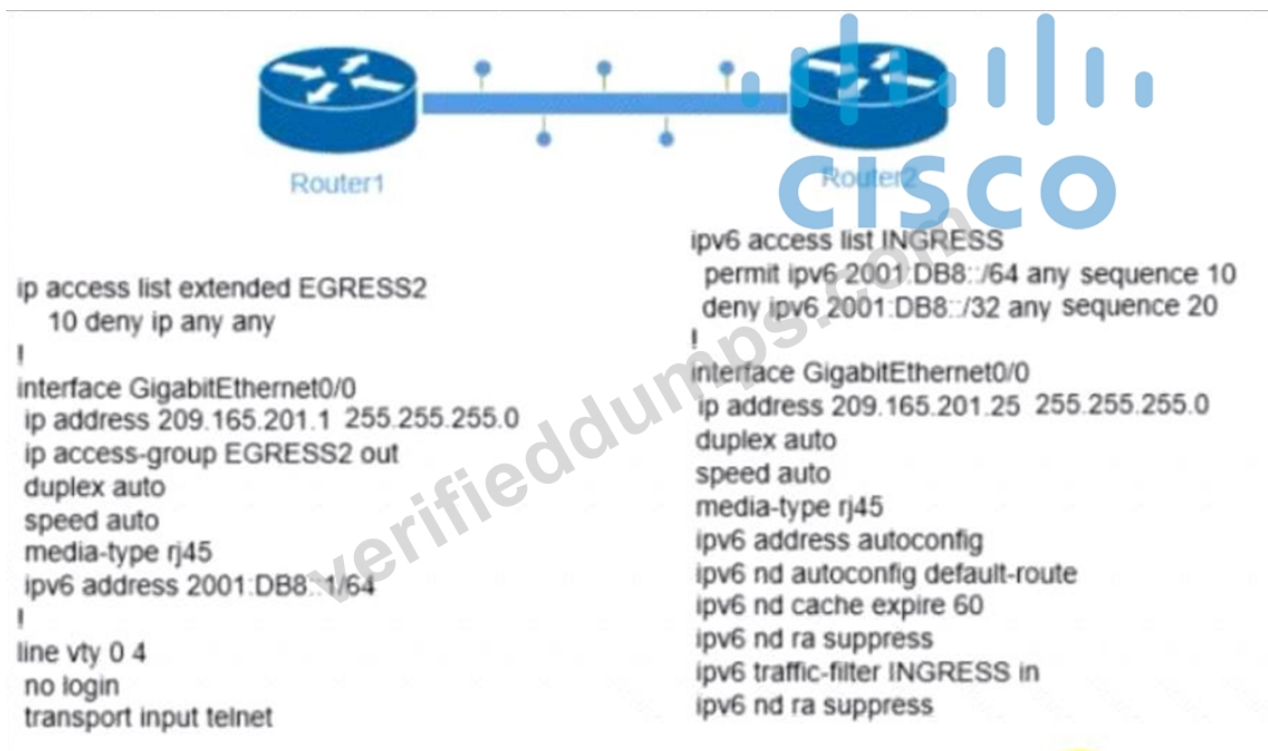
interface loopback0
ip address 4.4.4.4 255.255.255.0
ip ospf interface type network

```

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

Answer: B

NEW QUESTION # 308



Refer to the exhibit. The engineer configured and connected Router2 to Router1. The link came up but could not establish a Telnet connection to Router1 IPv6 address of 2001:DB8::1. Which configuration allows Router2 to establish a Telnet connection to Router1?

- A. IPv6 address on GigabitEthernet0/0
- B. permit ip any any on access list EGRESS2 on Router1
- C. ipv6 unicast-routing
- D. permit ICMPv6 on access list INGRESS for Router2 to obtain IPv6 address

**Answer: A**

Explanation:

```

-----R1-----
interface Ethernet0/0 ip address 209.165.201.1
255.255.255.0 ip access-group EGRESS2 out ipv6 address 2001:DB8::1/64 end
-----R2-----
interface Ethernet0/0 ip address 209.165.201.25
255.255.255.0 ipv6 address 2001:DB8::2/64 ipv6 address autoconfig ipv6 nd autoconfig default-route ipv6 nd cache expire 60
ipv6 nd ra suppress ipv6 traffic-filter INGRESS in end
IOU_Router2#telnet 2001:DB8::1 Trying 2001:DB8::1 ... Open
IOU_Router1>

```

### NEW QUESTION # 309

Refer to the exhibit.



Which configuration denies Telnet traffic to router 2 from 198A:0:200C::1/64?

- A.

```

ipv6 access-list Deny_Telnet sequence 10 deny tcp host 198A:0:200C::1/64 host
201A:0:205C::1/64 eq telnet
!
int Gi0/0
  ipv6 traffic-filter Deny_Telnet in
!

```

```

ipv6 access-list Deny_Telnet sequence 10 deny tcp host 198A:0:200C::1/64 host
201A:0:205C::1/64 eq telnet
!
int Gi0/0
  ipv6 access-map Deny_Telnet in
!

```

- B.
- C.

```

ipv6 access-list Deny_Telnet sequence 10 deny tcp host 198A:0:200C::1/64 host
201A:0:205C::1/64
!
int Gi0/0
  ipv6 traffic-filter Deny_Telnet in
!

```

```

ipv6 access-list Deny_Telnet sequence 10 deny tcp host 198A:0:200C::1/64 host
201A:0:205C::1/64

```

```

int Gi0/0
  ipv6 access-map Deny_Telnet in

```

- D.

Answer: A

#### NEW QUESTION # 310

What does IPv6 Source Guard utilize to determine if IPv6 source addresses should be forwarded?

- A. ACLs
- B. ACE
- C. Binding Table
- D. DHCP

Answer: C

#### NEW QUESTION # 311

.....

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