



Guarantee All Exams 100% Pass One Time!

# 2016 NEW Cisco CCNP Routing and Switching 300-101: Implementing Cisco IP Routing (ROUTE) Exam Questions and Answers RELEASED in Braindump2go.com Online IT Study Website Today!

2016 Braindump2go Valid Cisco 300-101 Exam Preparation Materials:

1. | Latest **230Q&As** 300-101 PDF Dumps and VCE Dumps:

<http://www.braindump2go.com/300-101.html>

**[Guarantee 100% Exam Pass!]**

## QUESTION 81

A company has just opened two remote branch offices that need to be connected to the corporate network. Which interface configuration output can be applied to the corporate router to allow communication to the remote sites?

- A. interface Tunnel0  
bandwidth 1536  
ip address 209.165.200.230 255.255.255.224  
tunnel source Serial0/0  
tunnel mode gre multipoint
- B. interface fa0/0  
bandwidth 1536  
ip address 209.165.200.230 255.255.255.224  
tunnel mode gre multipoint
- C. interface Tunnel0  
bandwidth 1536  
ip address 209.165.200.231 255.255.255.224  
tunnel source 209.165.201.1  
tunnel-mode dynamic
- D. interface fa 0/0

Free Download Braindump2go Latest 300-101 Exam PDF and VCE Dumps **230q** from [Braindump2go.com](http://www.braindump2go.com).

100% Pass Guaranteed! 100% Real Exam Questions!

<http://www.braindump2go.com/300-101.html>

```
bandwidth 1536
ip address 209.165.200.231 255.255.255.224
tunnel source 192.168.161.2
tunnel destination 209.165.201.1
tunnel-mode dynamic
```

**Answer: A**

**Explanation:**

The configuration of mGRE allows a tunnel to have multiple destinations. The configuration of mGRE on one side of a tunnel does not have any relation to the tunnel properties that might exist at the exit points. This means that an mGRE tunnel on the hub may connect to a p2p tunnel on the branch. Conversely, a p2p GRE tunnel may connect to an mGRE tunnel. The distinguishing feature between an mGRE interface and a p2p GRE interface is the tunnel destination. An mGRE interface does not have a configured destination. Instead the GRE tunnel is configured with the command tunnel mode gre multipoint. This command is used instead of the tunnel destination x.x.x.x found with p2p GRE tunnels. Besides allowing for multiple destinations, an mGRE tunnel requires NHRP to resolve the tunnel endpoints. Note, tunnel interfaces by default are point-to-point (p-p) using GRE encapsulation, effectively they have the tunnel mode gre command, which is not seen in the configuration because it is the default.

The mGRE configuration is as follows:

!

```
interface Tunnel0
bandwidth 1536
ip address 10.62.1.10 255.255.255.0
tunnel source Serial0/0
tunnel mode gre multipoint
http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/WAN_and_MAN/DMVPDG/DMVPN_2
_Phase2.html
```

**QUESTION 82**

A network engineer executes the show crypto ipsec sa command. Which three pieces of information are displayed in the output? (Choose three.)

- A. inbound crypto map
- B. remaining key lifetime
- C. path MTU
- D. tagged packets
- E. untagged packets
- F. invalid identity packets

**Answer: ABC**

**Explanation:**

```
show crypto ipsec sa
```

This command shows IPsec SAs built between peers. The encrypted tunnel is built between 12.1.1.1 and 12.1.1.2 for traffic that goes between networks 20.1.1.0 and 10.1.1.0. You can see the two Encapsulating Security Payload (ESP) SAs built inbound and outbound. Authentication Header (AH) is not used since there are no AH SAs.

This output shows an example of the show crypto ipsec sa command (bolded ones found in

**Free Download Braindump2go Latest 300-101 Exam PDF and VCE Dumps [230q](http://www.braindump2go.com) from [Braindump2go.com](http://www.braindump2go.com).**

**100% Pass Guaranteed! 100% Real Exam Questions!**

**<http://www.braindump2go.com/300-101.html>**

answers for this question).  
interface: FastEthernet0  
Crypto map tag: test, local addr. 12.1.1.1  
local ident (addr/mask/prot/port): (20.1.1.0/255.255.255.0/0/0) remote ident (addr/mask/prot/port):  
(10.1.1.0/255.255.255.0/0/0) current\_peer: 12.1.1.2  
PERMIT, flags={origin\_is\_acl,}  
#pkts encaps: 7767918, #pkts encrypt: 7767918, #pkts digest 7767918 #pkts decaps: 7760382,  
#pkts decrypt: 7760382, #pkts verify 7760382 #pkts compressed: 0, #pkts decompressed: 0  
#pkts not compressed: 0, #pkts compr. failed: 0,  
#pkts decompress failed: 0, #send errors 1, #Recv errors 0 local crypto endpt.: 12.1.1.1, remote  
crypto endpt.: 12.1.1.2 path mtu 1500, media mtu 1500  
current outbound spi: 3D3  
inbound esp sas:  
spi: 0x136A010F(325714191)  
transform: esp-3des esp-md5-hmac ,  
in use settings ={Tunnel, }  
slot: 0, conn id: 3442, flow\_id: 1443, crypto map: test sa timing: remaining key lifetime (k/sec):  
(4608000/52) IV size: 8 bytes  
replay detection support: Y  
inbound ah sas:  
inbound pcp sas:  
inbound pcp sas:  
outbound esp sas:  
spi: 0x3D3(979)  
transform: esp-3des esp-md5-hmac ,  
in use settings ={Tunnel, }  
slot: 0, conn id: 3443, flow\_id: 1444, crypto map: test sa timing: remaining key lifetime (k/sec):  
(4608000/52) IV size: 8 bytes  
replay detection support: Y  
outbound ah sas:  
outbound pcp sas:  
[http://www.cisco.com/c/en/us/support/docs/security-vpn/ipsec-negotiation-ike-protocols/5409-  
ipsec-debug-00.html](http://www.cisco.com/c/en/us/support/docs/security-vpn/ipsec-negotiation-ike-protocols/5409-ipsec-debug-00.html)

### QUESTION 83

Refer to the following output:

```
Router#show ip nhrp detail  
10.1.1.2/8 via 10.2.1.2, Tunnel1 created 00:00:12, expire 01:59:47  
TypeE. dynamic, Flags: authoritative unique nat registered used  
NBMA address: 10.12.1.2
```

What does the authoritative flag mean in regards to the NHRP information?

- A. It was obtained directly from the next-hop server.
- B. Data packets are process switches for this mapping entry.
- C. NHRP mapping is for networks that are local to this router.
- D. The mapping entry was created in response to an NHRP registration request.
- E. The NHRP mapping entry cannot be overwritten.

**Answer: A**

**Free Download Braindump2go Latest 300-101 Exam PDF and VCE  
Dumps [230q](http://www.braindump2go.com) from [Braindump2go.com](http://www.braindump2go.com).**

**100% Pass Guaranteed! 100% Real Exam Questions!**

**<http://www.braindump2go.com/300-101.html>**

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/ios/12\\_4/ip\\_addr/configuration/guide/hadnhpr.html](http://www.cisco.com/c/en/us/td/docs/ios/12_4/ip_addr/configuration/guide/hadnhpr.html)

**QUESTION 84**

Which common issue causes intermittent DMVPN tunnel flaps?

- A. a routing neighbor reachability issue
- B. a suboptimal routing table
- C. interface bandwidth congestion
- D. that the GRE tunnel to hub router is not encrypted

**Answer: A**

**Explanation:**

DMVPN Tunnel Flaps Intermittently Problem

DMVPN tunnel flaps intermittently.

Solution

When DMVPN tunnels flap, check the neighborhood between the routers as issues with neighborhood formation between routers may cause the DMVPN tunnel to flap. In order to resolve this problem, make sure the neighborhood between the routers is always up.

<http://www.cisco.com/c/en/us/support/docs/security-vpn/ipsec-negotiation-ike-protocols/29240-dcmvpn.html#Prblm1>

**QUESTION 85**

Drag and Drop Question

Click and drag the associated EIGRP functionality on the left to the corresponding topology characteristic on the right.

redistribution	low-speed WAN links
bandwidth management	WAN link to an external supplier
authentication	integrating two merging companies
stubs	256 kb/s CIR FR hub and spokes

**Answer:**

Click and drag the associated EIGRP functionality on the left to the corresponding topology characteristic on the right.

redistribution	bandwidth management
bandwidth management	authentication
authentication	redistribution
stubs	stubs

**QUESTION 86**

Drag and Drop Question

**Free Download Braindump2go Latest 300-101 Exam PDF and VCE Dumps [230q](http://www.braindump2go.com) from [Braindump2go.com](http://www.braindump2go.com).**

**100% Pass Guaranteed! 100% Real Exam Questions!**

**<http://www.braindump2go.com/300-101.html>**

Click and drag the command on the left to the associated task on the right.

show ip eigrp neighbor	confirm what EIGRP is learning
show ip eigrp interface	confirm what is actually being used
show ip eigrp topology	view route information sources
show ip route eigrp	verify the routing of specific networks

**Answer:**

Click and drag the command on the left to the associated task on the right.

show ip eigrp neighbor	show ip eigrp topology
show ip eigrp interface	show ip route eigrp
show ip eigrp topology	show ip eigrp neighbor
show ip route eigrp	show ip eigrp interface

**QUESTION 87**

Drag and Drop Question

Click and drag the associated set of OSPF LEAs on the left to the corresponding area type on the right where this set of LEAs may be seen.

LSA 1, 2, 3, 4, 5	Stub
LSA 1, 2, 3	NSSA
LSA 1, 2	Backbone or transit
LSA 1, 2, 3, 7	Totally NSSA
LSA 1, 2, 7	Totally Stubby

**Answer:**

**Free Download Braindump2go Latest 300-101 Exam PDF and VCE Dumps [230q](http://www.braindump2go.com) from [Braindump2go.com](http://www.braindump2go.com).**

**100% Pass Guaranteed! 100% Real Exam Questions!**

**<http://www.braindump2go.com/300-101.html>**



Click and drag the associated set of OSPF LEAs on the left to the corresponding area type on the right where this set of LEAs may be seen.

LSA 1, 2, 3, 4, 5	LSA 1, 2, 3
LSA 1, 2, 3	LSA 1, 2, 3, 7
LSA 1, 2	LSA 1, 2, 3, 4, 5
LSA 1, 2, 3, 7	LSA 1, 2, 7
LSA 1, 2, 7	LSA 1, 2

**QUESTION 88**

**Drag and Drop Question**

Click the resources on the left that you need to create an implementation plan for an OSPF project and drag them to the target zone on the right.

local preference value	Required Resources
update query boundaries	
summarization boundaries	
OSPF process ID that will be used	
authentication type that will be used	
OSPF areas and associated prefixes	
load sharing method that will be used	
amount of bandwidth that will be allocated to OSPF	

**Answer:**

Click the resources on the left that you need to create an implementation plan for an OSPF project and drag them to the target zone on the right.

local preference value	Required Resources
update query boundaries	
summarization boundaries	
OSPF process ID that will be used	
authentication type that will be used	
OSPF areas and associated prefixes	
load sharing method that will be used	
amount of bandwidth that will be allocated to OSPF	

**Free Download Braindump2go Latest 300-101 Exam PDF and VCE Dumps [230q](http://www.braindump2go.com) from [Braindump2go.com](http://www.braindump2go.com).**

**100% Pass Guaranteed! 100% Real Exam Questions!**

**<http://www.braindump2go.com/300-101.html>**

**QUESTION 89**

Drag and Drop Question

Place the BGP attributes in the correct order used for determining a route.

originate route	1st
AS_Path	2nd
weight	3rd
local preference	4th
MED	5th

**Answer:**

Place the BGP attributes in the correct order used for determining a route.

originate route	weight
AS_Path	local preference
weight	originate route
local preference	AS_Path
MED	MED

**QUESTION 90**

Drag and Drop Question

Place the BGP commands to the proper locations

Select From here	Place here
Path selection values	show ip bgp summary
Memory Usage	show ip route bgp
AD of BGP	show ip bgp
Notification, Update	show ip bgp neighbor

**Answer:**

**Free Download Braindump2go Latest 300-101 Exam PDF and VCE Dumps [230q](http://www.braindump2go.com) from [Braindump2go.com](http://www.braindump2go.com).**

**100% Pass Guaranteed! 100% Real Exam Questions!**

**<http://www.braindump2go.com/300-101.html>**

Select From here

Path selection values
Memory Usage
AD of BGP
Notification, Update

Place here

Memory Usage
AD of BGP
Path selection values
Notification, Update

**Free Download Braindump2go Latest 300-101 Exam PDF and VCE Dumps [230q](http://www.braindump2go.com) from [Braindump2go.com](http://www.braindump2go.com).**

**100% Pass Guaranteed! 100% Real Exam Questions!**

**<http://www.braindump2go.com/300-101.html>**