



# 642-889<sup>Q&As</sup>

Implementing Cisco Service Provider Next-Generation Edge Network Services

**Pass Cisco 642-889 Exam with 100% Guarantee**

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.lead4pass.com/642-889.html>

100% Passing Guarantee  
100% Money Back Assurance

Following Questions and Answers are all new published by Cisco  
Official Exam Center

-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers





### QUESTION 1

Drag the standard on the left to match the correct description on the right.

Select and Place:

Drag the standard on the left to match the correct description or the right.

802.1ag	QinQ
802.1ad	PBE (also known as MAC-in-MAC)
802.1ah	Connectivity Fault Management

Correct Answer:

Drag the standard on the left to match the correct description or the right.

	802.1ad
	802.1ah
	802.1ag

### QUESTION 2

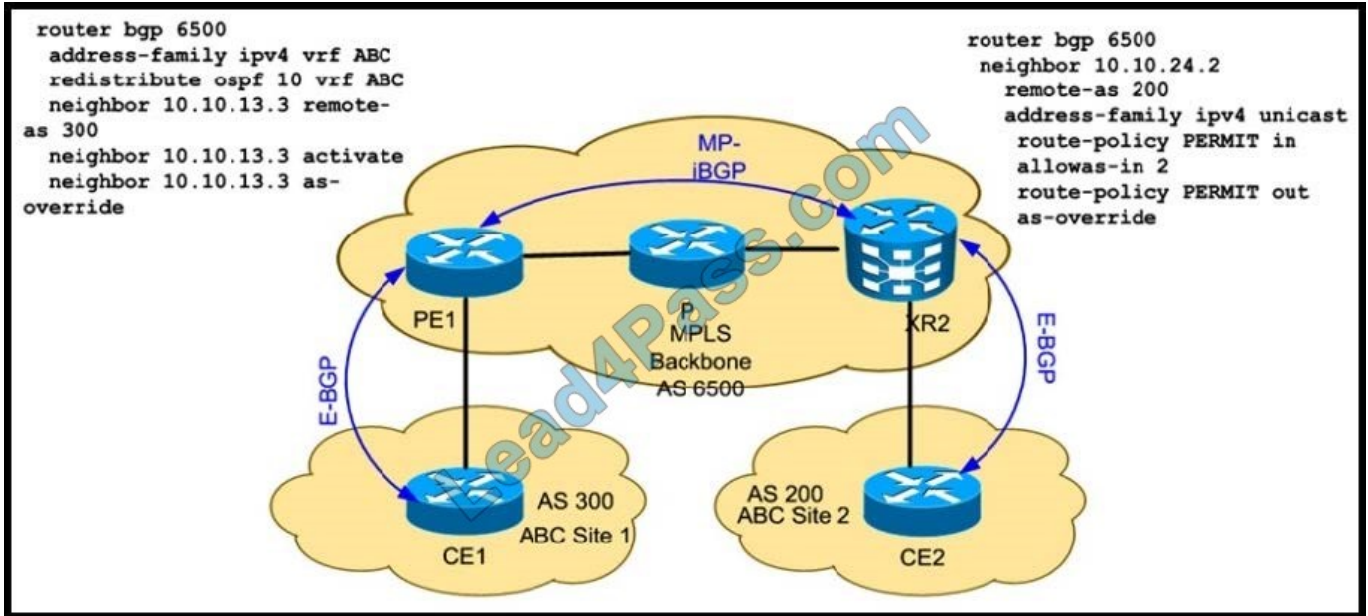
Which benefit is an advantage to configuring IPv6 over a circuit transport over MPLS for a client?

- A. fully transparent IPv6 communication
- B. IPv6 software upgrade for PE routers
- C. VPN-like IPv6 cloud isolation
- D. only minor modifications are required on the existing MPLS core

Correct Answer: A

### QUESTION 3

Refer to the exhibit.



What is the AS-PATH list for an e-BGP update sent from ABC site 1 to ABC site 2 on the CE2 BGP table?

- A. 300 300
- B. 300 6500
- C. 6500 300
- D. 6500 6500
- E. 6500 6500 200

Correct Answer: D

#### QUESTION 4

Refer to the partial Cisco IOS XR PE router configuration exhibit for supporting a Layer 3 MPLS VPN customer using BGP as the CE-to-PE routing protocol.



```
router bgp 64500
address-family vpnv4 unicast
vrf Customer_A
address-family ipv4 unicast
!
neighbor 10.1.1.1
remote-as 64501
address-family ipv4 unicast
!
```

The service provider AS number is 64500, the customer AS number is 64501, and the customer CE router is 10.1.1.1. What is missing in the configuration?

- A. The route distinguisher has not been configured under router bgp 64500 vrf Customer\_A.
- B. The import and export route targets have not been configured under router bgp 64500 vrf Customer\_A.
- C. The 10.1.1.1 BGP neighbor has not been activated for IPv4 unicast routing.
- D. The 10.1.1.1 BGP neighbor has not been activated for the VPNv4 address family.

Correct Answer: A

#### Route Distinguisher

A router distinguisher (RD) creates routing and forwarding tables and specifies the default route distinguisher for a VPN. The RD is added to the beginning of an IPv4 prefix to change it into a globally unique VPN-IPv4 prefix. An RD can be composed in one of two ways: with an autonomous system number and an arbitrary number or with an IP address

and an arbitrary number. You can enter an RD in either of these formats:

?nter a 16-bit autonomous system number, a colon, and a 32-bit number. For example:

45000:3

?nter a 32-bit IP address, a colon, and a 16-bit number. For example:

192.168.10.15:1



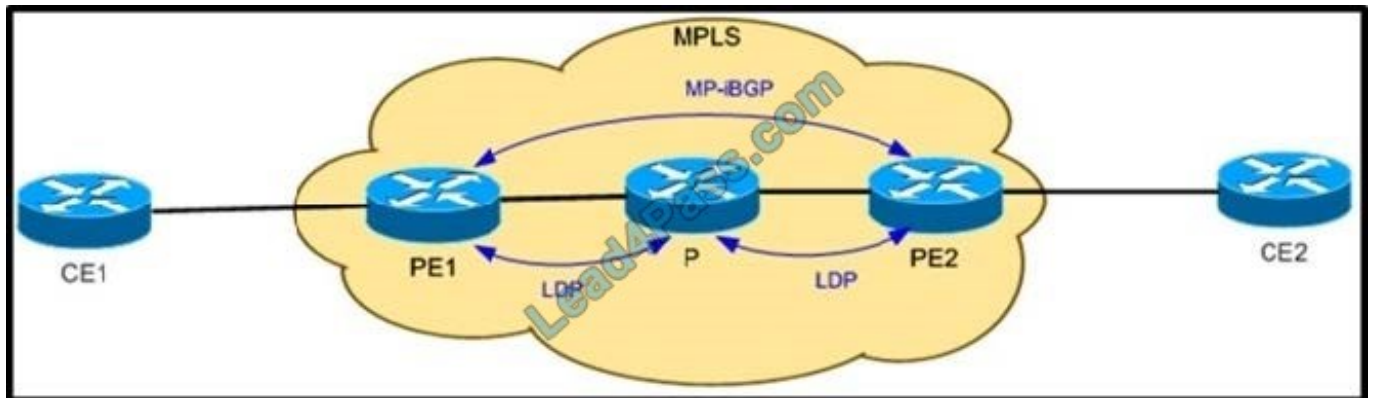
	Command or Action	Purpose
Step 1	<code>enable</code> Example: Router> enable	Enables privileged EXEC mode. • Enter your password if prompted.
Step 2	<code>configure terminal</code> Example: Router# configure terminal	Enters global configuration mode.
Step 3	<code>ip vrf vrf-name</code> Example: Router (config)# ip vrf vrf_name	Defines a VRF instance and enters VRF configuration mode.
Step 4	<code>rd route-distinguisher</code> Example: Router (config-vrf)# rd 45000:2	Creates routing and forwarding tables for a VRF and specifies the default RD for a VPN. • Use the <i>route-distinguisher</i> argument to specify the default RD for a VPN. There are two formats you can use to specify an RD. For more details, see the "Route Distinguisher" section. • In this example, the RD uses an autonomous system number with the number 2 after the colon.
Step 5	<code>route-target (import   both) route-target-ext-community</code> Example: Router (config-vrf)# route-target import 55000:5	Creates a route-target extended community for a VRF. • Use the <i>import</i> keyword to import routing information from the target VPN extended community. • Use the <i>both</i> keyword to both import routing information from and export routing information to the target VPN extended community. • Use the <i>route-target-ext-community</i> argument to specify the VPN extended community.
Step 6	<code>route-target (export   both) route-target-ext-community</code> Example: Router (config-vrf)# route-target export 55000:1	Creates a route-target extended community for a VRF. • Use the <i>export</i> keyword to export routing information to the target VPN extended community. • Use the <i>both</i> keyword to both import routing information from and export routing information to the target VPN extended community. • Use the <i>route-target-ext-community</i> argument to specify the VPN extended community.
Step 7	<code>exit</code> Example: Router (config-vrf)# exit	Exits VRF configuration mode and returns to global configuration mode.
Step 8	Repeat Step 3 through Step 7 for each VRF to be defined.	—

Reference: [http://www.cisco.com/en/US/docs/ios/12\\_2sr/12\\_2sra/feature/guide/srbgprid.html](http://www.cisco.com/en/US/docs/ios/12_2sr/12_2sra/feature/guide/srbgprid.html)



### QUESTION 5

Refer to the exhibit.



A customer wants to deploy an IPv6 VPN network over the MPLS provider. Which option describes what must be enabled on the MPLS provider to support this request?

- A. IPv6 should be deployed inside the core network of the provider.
- B. LDP also should be configured to provide labels for IPv6 routes.
- C. MP-iBGP VPNv6 session should be configured with current IPv4 addresses.
- D. MP-iBGP IPv6 session should be configured with current IPv4 addresses.

Correct Answer: C



To Read the [Whole Q&As](#), please purchase the [Complete Version](#) from [Our website](#).

## Try our product !

100% Guaranteed Success  
100% Money Back Guarantee  
365 Days Free Update  
Instant Download After Purchase  
24x7 Customer Support  
Average 99.9% Success Rate  
More than 800,000 Satisfied Customers Worldwide  
Multi-Platform capabilities - [Windows](#), [Mac](#), [Android](#), [iPhone](#), [iPod](#), [iPad](#), [Kindle](#)

We provide exam PDF and VCE of Cisco, Microsoft, IBM, CompTIA, Oracle and other IT Certifications. You can view Vendor list of All Certification Exams offered:

<https://www.lead4pass.com/allproducts>

## Need Help

Please provide as much detail as possible so we can best assist you.  
To update a previously submitted ticket:



 <p><b>One Year Free Update</b> Free update is available within One Year after your purchase. After One Year, you will get 50% discounts for updating. And we are proud to boast a 24/7 efficient Customer Support system via Email.</p>	 <p><b>Money Back Guarantee</b> To ensure that you are spending on quality products, we provide 100% money back guarantee for 30 days from the date of purchase.</p>	 <p><b>Security &amp; Privacy</b> We respect customer privacy. We use McAfee's security service to provide you with utmost security for your personal information &amp; peace of mind.</p>
---	---	--

Any charges made through this site will appear as Global Simulators Limited.  
All trademarks are the property of their respective owners.  
Copyright © lead4pass, All Rights Reserved.