642-889^{Q&As}

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.geekcert.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

Instructions

Enter the proper CLI commands and analysis the outputs on the Cisco routers to answer the multiple-choice questions.

From the network topology diagram, click on the router icon to gain access to the console of the router.

No console or enable passwords are required.

There are four multiple-choice questions with this task. Be sure to answer all four questions before selecting the Next button.

Not all the CLI commands or commands options are supported or required for this simulation.
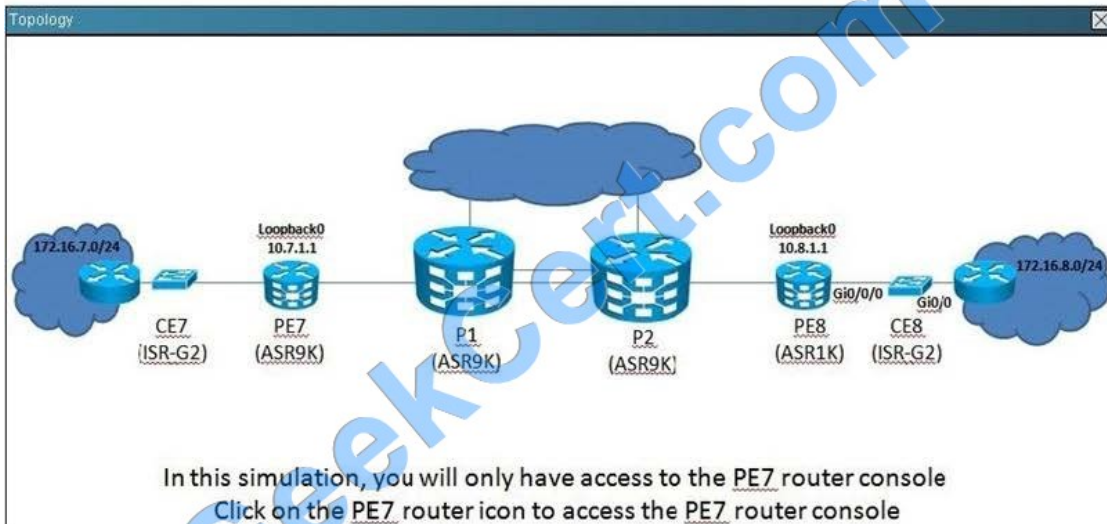
For example, the show running-config command is NOT supported in this simulation.

All the devices in this simulation have been pre-configured and you are not required to enter in any configurations.

Scenario

Referring to the network topology diagram shown in the exhibit, use the proper CLI commands on PE7 router and interpret the supported CLI commands outputs to answer the four multiple choice questions.

The PE7 router is an ASR9K router.

Topology

In this simulation, you will only have access to the PE7 router console
Click on the PE7 router icon to access the PE7 router console

RP/0/RSP0/CPU0:PE7

RP/0/RSP0/CPU0:PE7#

On PE7, what is the PWtype on the p2p ac-pw named "testpw"?

A. MPLS

B. L2TPv3

C. PPP

D. LDP

E. Ethernet

Correct Answer: B

show mpls l2transport vc testpw detail

QUESTION 2

Which two MPLS QoS models described by RFC3270 are used for CE-PE QoS implementation? (Choose two.)

A. best effort

B. pipe

C. uniform

D. integrated services

E. differentiated services

Correct Answer: BC

QUESTION 3

Which three functions are performed by the PE router in an MPLS Layer 3 VPN? (Choose three.)

A. exchanges routing updates with the CE router

B. translates the CE routing information into VPNv4 routes

C. exchanges VPNv4 routes with other PE routers over MP-BGP

D. imports and exports RTs that are received from the P routers

E. exchanges RDs with the P routers

F. exchanges VPN labels with the CE routers

Correct Answer: ABC

How MPLS L3VPN Works

MPLS VPN functionality is enabled at the edge of an MPLS network. The PE router performs the following tasks:

•Exchanges routing updates with the CE router

•Translates the CE routing information into VPN version 4 (VPNv4) and VPN version 6 (VPNv6) routes

•Exchanges VPNv4 and VPNv6 routes with other PE routers through the Multiprotocol Border Gateway Protocol (MP-BGP)

Reference: http://www.cisco.com/en/US/docs/routers/crs/software/crs_r4.1/lxvpn/configuration/guide/vc41v3.html

QUESTION 4

Instructions

Enter the proper CLI commands and analysis the outputs on the Cisco routers to answer the multiple-choice questions.

From the network topology diagram, click on the router icon to gain access to the console of the router.

No console or enable passwords are required.

There are four multiple-choice questions with this task. Be sure to answer all four questions before selecting the Next button.

Not all the CLI commands or commands options are supported or required for this simulation.

For example, the show running-config command is NOT supported in this simulation.

All the devices in this simulation have been pre-configured and you are not required to enter in any configurations.
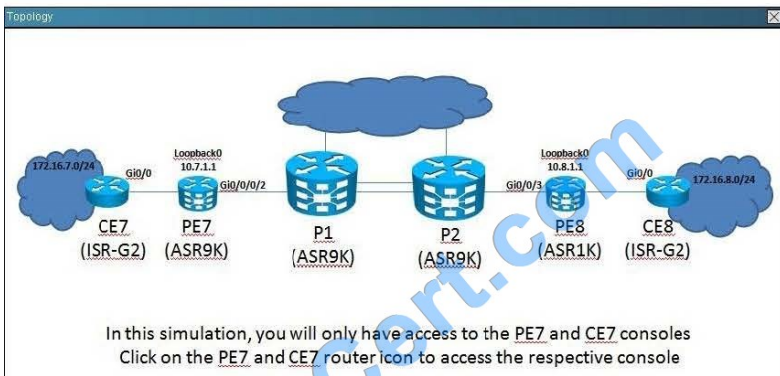
Scenario

Referring to the network topology diagram shown in the exhibit, use the proper CLI commands on the CE7 and PE7 routers and interpret the supported CLI commands outputs to answer the four multiple choice questions.

The CE7 router is an ISR-G2 router and the PE7 router is an ASR9K router.

OSPF is the IGP running between all the PE and P routers and LDP is also running between all the PE and P routers.

The questions in this simulation are regarding the MPLS layer 3 VPN configurations on the PE routers where CE7

| Scenario | Instructions | Topology | CE7 | RP/0/RSP0/CPU0:PE7 | Questions |

Topology

In this simulation, you will only have access to the PE7 and CE7 consoles
Click on the PE7 and CE7 router icon to access the respective console

CE7

```
CE7#
```

RP/0/RSP0/CPU0:PE7

```
RP/0/RSP0/CPU0:PE7#
```

On PE7, how many multiprotocol IBGP routes are learned from PE8 and what is the next-hop IP address? (Choose two.)

A. 1

B. 2

C. 3

D. 10.8.1.1

E. 172.16.8.1

F. 192.168.108.81

Correct Answer: BE

Show ip bgp vpnv4 all --- i tag field is the answer

QUESTION 5

Which two methods can be used for VPLS PW signaling? (Choose two.)

A. static

B. BGP

C. IGP

D. LDP

E. RSVP

Correct Answer: BD

VPLS Discovery and Signaling

VPLS is a Layer 2 multipoint service and it emulates a LAN service across a WAN. VPLS enables service providers to interconnect several LAN segments over a packet-switched network and make them behave as a single LAN. Service providers can provide a native Ethernet access connection to customers using VPLS.

The VPLS control plane consists of two important components, autodiscovery and signaling:

- VPLS Autodiscovery eliminates the need to manually provision VPLS neighbors. VPLS Autodiscovery enables each VPLS PE router to discover other provider edge (PE) routers that are part of the same VPLS domain.

- Once the PEs are discovered, pseudowires (PWs) are signaled and established across pairs of PE routers, forming a full mesh of PWs across PE routers in a VPLS domain.

Figure 10 VPLS Autodiscovery and Signaling

L2-VPN	Multipoint	
Discovery	BGP	
Signaling Protocol	LDP	BGP
Tunneling Protocol	MPLS	

BGP-based VPLS Autodiscovery

An important aspect of VPN technologies, including VPLS, is the ability of network devices to automatically signal information to other devices, about any association with a particular VPN. Autodiscovery requires this information to be distributed to all members of a VPN. VPLS is a multipoint mechanism for which BGP is well-suited.

BGP-based VPLS autodiscovery eliminates the need to manually provision VPLS neighbors. VPLS autodiscovery enables each VPLS PE router to discover other provider edge (PE) routers that are part of the same VPLS domain. VPLS Autodiscovery also tracks occurrences when PE routers are added to, or removed from, the VPLS domain. When the discovery process is complete, each PE router has the information required to setup VPLS pseudowires (PWs).

BGP Auto Discovery With BGP Signaling

The implementation of VPLS in a network requires the establishment of a full mesh of PWs between the provider edge (PE) routers. The PWs can be signaled using BGP signaling.

To Read the Whole Q&As, please purchase the Complete Version from Our website.

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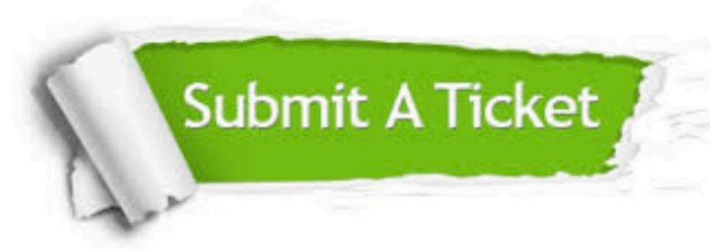
100% Guaranteed Success
100% Money Back Guarantee
365 Days Free Update
Instant Download After Purchase
24x7 Customer Support
Average 99.9% Success Rate
More than 800,000 Satisfied Customers Worldwide
Multi-Platform capabilities - Windows, Mac, Android, iPhone, iPod, iPad, Kindle

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.geekcert.com/allproducts

Need Help

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

One Year Free Update
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.

Money Back Guarantee
To ensure that you are spending on quality products, we provide 100% money back guarantee for 30 days from the date of purchase.

Security & Privacy
We respect customer privacy. We use McAfee's security service to provide you with utmost security for your personal information & peace of mind.