



642-885^{Q&As}

Deploying Cisco Service Provider Advanced Routing

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QUESTION 1

Which four operations are components of MSDP in interdomain multicast setup? (Choose four.)

- A. Multiple domains can have a single statically defined RP.
- B. RPs interconnect between domains with UDP connections to pass source active messages.
- C. RPs interconnect between domains with TCP connections to pass source active messages.
- D. RPs send source active messages for internal sources to MSDP peers.
- E. Source active messages are Peer-RPF checked before accepting or forwarding.
- F. RPs learn about external sources via source active messages and may trigger (S,G) joins on behalf of local receivers.
- G. MSDP connections typically parallel PIM-SM connections.

Correct Answer: CDEF

QUESTION 2

Assume that the R1 router is enabled for PIM-SM and receives a multicast packet sourced from 172.16.1.100, and the R1 router has multicast receivers on the Gi0/1, Gi0/2, Gi0/3 and Gi0/4 interfaces.

```
R1 routing table:  
172.16.1.0/24 via Gi0/1  
172.16.2.0/24 via Gi0/2  
172.16.3.0/24 via Gi0/3  
0.0.0.0/0 via Gi0/4
```

The multicast packet from the 172.16.1.100 source must arrive on which interface on the R1 router for it to be forwarded out the other interfaces?

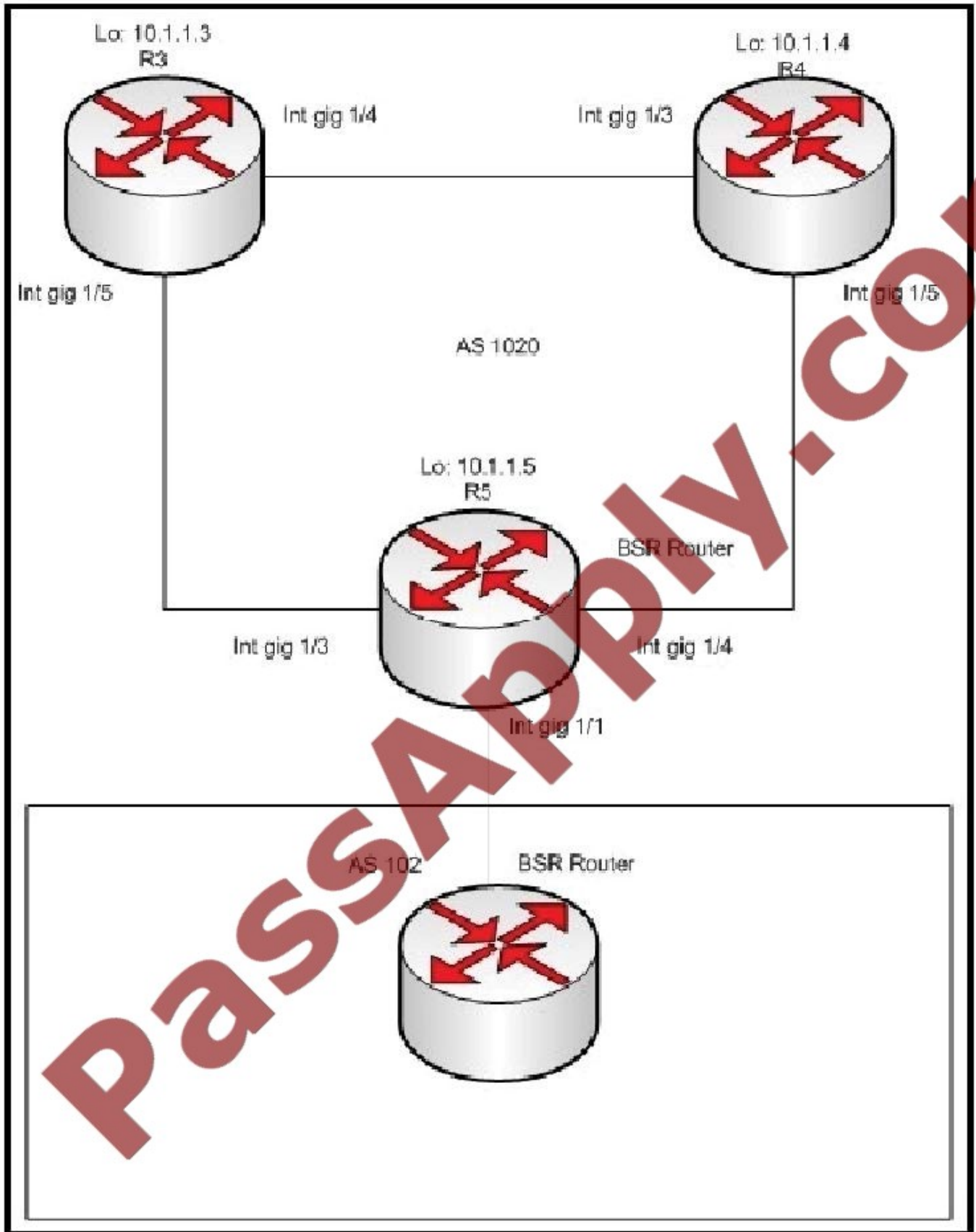
- A. Gi0/1
- B. Gi0/2
- C. Gi0/3
- D. Gi0/4
- E. Gi0/1 or Gi0/2 or Gi0/3 or Gi0/4
- F. Gi0/2 or Gi0/3
- G. Gi0/1 or Gi0/4



Correct Answer: A

QUESTION 3

Refer to the exhibit.



R5 is configured as the RP for the PIM-SM domain for AS 1020. If R3 and R4 are correctly configured, which Cisco IOS-XE configuration should be done on R5 to configure it as a PIMv3 BSR router?



- A. ip pim send-rp-announce loopback 0 scope 16 int gi1/3 , gi 1/4 ip pim sparse-mode int gi 1/1 ip pim bsr-border
- B. ip pim rp-candidate loopback 0 int gi1/3 , gi 1/4 ip pim sparse-mode int gi 1/1 ip pim bsr-border
- C. ip pim rp-candidate loopback 0 int gi1/3 , gi 1/4 ip pim sparse-mode ip pim bsr-border
- D. ip pim send-rp-announce loopback 0 scope 16 int gi1/3 , gi 1/4 ip pim sparse-mode ip pim bsr-border

Correct Answer: B

QUESTION 4

Refer to the Cisco IOS-XR show output exhibit.

```
RP/0/RSP0/CPU0:PE1#show mrib route
Thu Dec 1 19:14:38.044 UTCIP Multicast Routing Information Base
Entry flags: L - Domain-Local Source, E - External Source to the Domain,
C - Directly-Connected Check, S - Signal, IA - Inherit Accept,
IF - Inherit From, D - Drop, MA - MDT Address, ME - MDT Encap,
MD - MDT Decap, MT - MDT Threshold Crossed, MH - MDT interface handle
CD - Conditional Decap, MPLS - MPLS Decap, MF - MPLS Encap, EX - Extranet
MoFE - MoFRR Enabled, MoFS - MoFRR State
Interface flags: F - Forward, A - Accept, IC - Internal Copy,
NS - Negate Signal, DP - Don't Preserve, SP - Signal Present,
II - Internal Interest, ID - Internal Disinterest, LI - Local Interest,
LD - Local Disinterest, DI - Decapsulation Interface
EI - Encapsulation Interface, MI - MDT Interface, LVIF - MPLS Encap,
EX - Extranet, A2 - Secondary Accept

<output omitted>

(*,224.1.1.1) RPF nbr: 192.168.11.1 Flags: C
Up: 14:34:53
Incoming Interface List
  GigabitEthernet0/0/0/2 Flags: A NS, Up: 14:34:53
Outgoing Interface List
  Loopback0 Flags: F IC NS II LI, Up: 14:34:53
  GigabitEthernet0/0/0/0 Flags: F NS, Up: 14:34:33
```

Which two statements are correct? (Choose two.)

- A. The RPF neighbor 192.168.11.1 is the path towards the RP for the 224.1.1.1 multicast group
- B. The RP for the 224.1.1.1 multicast group is reachable over the Gi0/0/0/0 interface



- C. This router is the RP for the 224.1.1.1 multicast group
- D. Incoming 224.1.1.1 multicast group traffic will be sent out through the Gi0/0/0/0 interface
- E. Incoming 224.1.1.1 multicast group traffic will be sent out through the Gi0/0/0/2 interface

Correct Answer: AD

QUESTION 5

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 each of the router icon to gain access to the console of each 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. If a certain command or command option is not supported, please try to use a different command that is supported.

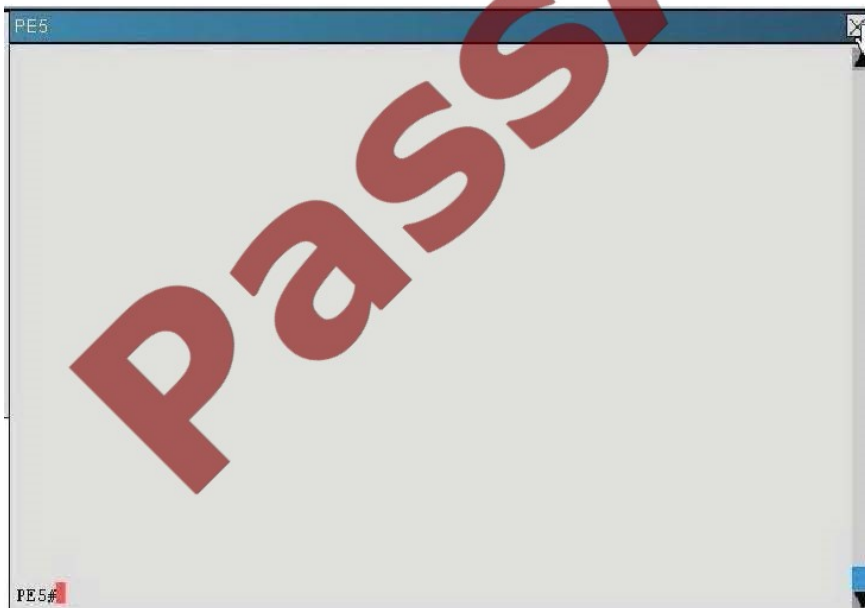
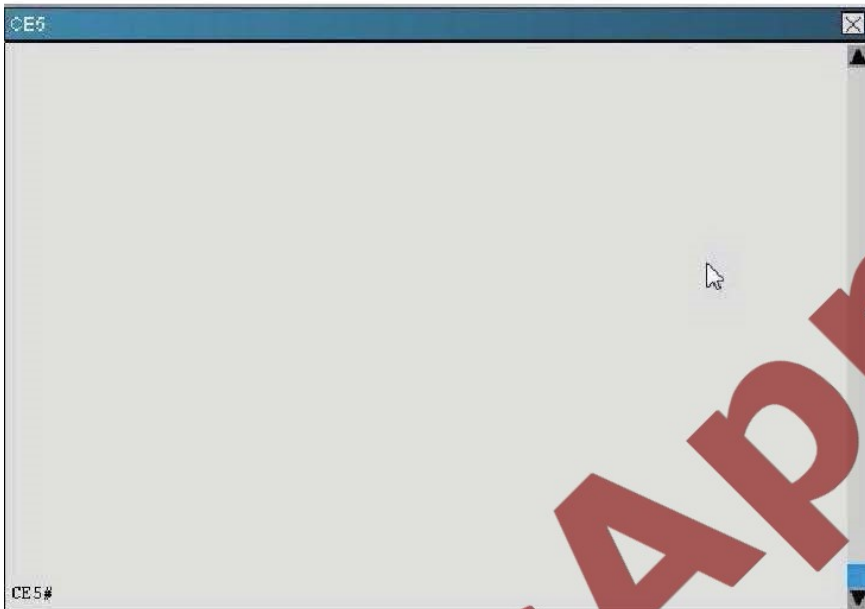
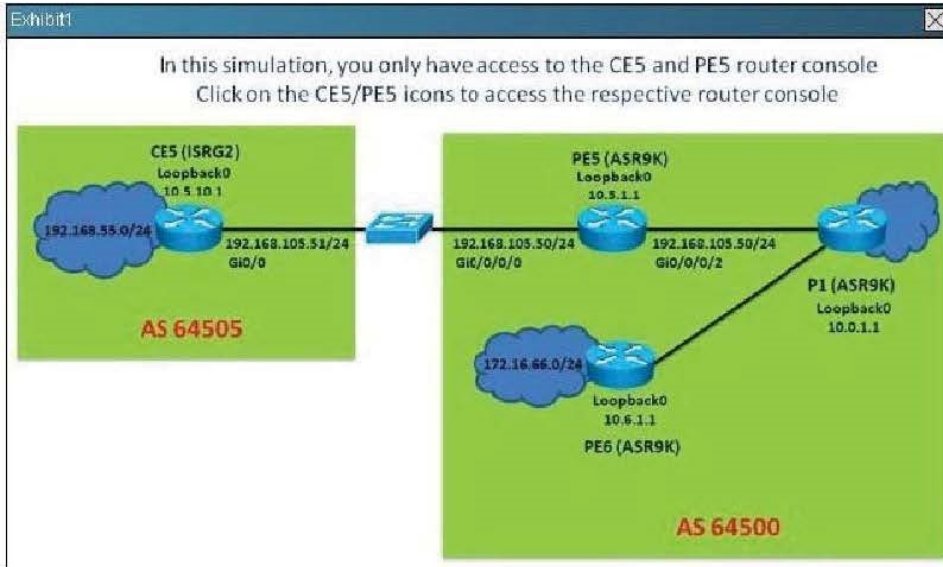
For example, the show running-config and the ping commands are **NOT** supported in this simulation.

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 CE5 and PE5 routers and interpret the supported CLI commands outputs to answer the four multiple choice questions.

Note: The CE5 router is an IOS router and the PE5 router is an IOS-XR router.





Which three statements regarding the BGP operations are correct? (Choose three)

- A. PE5 will set the local preferences 200 on all the prefixes sent to CE5
- B. PE5 will set the local preference to 200 on all the prefixes learned from CE5
- C. CE5 has received 5 prefixes from the PE5 EBGP peer
- D. CE5 has the BGP scan interval set to 30 seconds
- E. CE5 is announcing the 192.168.55.0/24 prefix via EBGP to the PE5 EBGP peer
- F. The AS-Path to reach the 209.165.202.128/27 prefix from CE5 is: 64500 64497 64498

Correct Answer: CEF

sh ip bgp | be Network #sh ip bgp # show ip bgp neighbors

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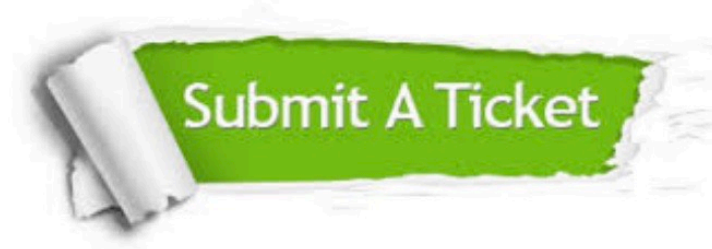
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100% Money Back Guarantee
365 Days Free Update
Instant Download After Purchase
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