

300-510 Exam Papers, Valid 300-510 Test Practice

Router 1:

```
interface tunnel-te12
  ipv4 unnumbered loopback0
  autoroute announce
  destination 192.168.1.2
  path-option 12 dynamic segment-routing
  path-protection
```

Refer to the exhibit. Router 1 has established an SR-TE tunnel with router 2. Which statement describes this configuration?

A. Router 1 has a list of labels used to explicitly lay out a path to router 2.

B. Router 1 and router 2 have a bidirectional tunnel set up with dynamic path selection.

C. Router 1 is the head-end tunnel and has dynamically chosen a path to router 2.

D. Router 2 is the head-end tunnel and has explicitly set a path to router 1.

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300-510 VCE dumps: Implementing Cisco Service Provider Advanced Routing Solutions & 300-510 test prep

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Cisco 300-510 exam is a rigorous and challenging certification test that requires a high level of technical expertise and practical experience in advanced routing solutions. Passing 300-510 exam demonstrates a candidate's ability to design, implement, and troubleshoot complex routing solutions in a service provider environment, making them a valuable asset to any organization in the networking industry.

Cisco 300-510 exam is designed for IT professionals who specialize in service provider networking solutions. Implementing Cisco Service Provider Advanced Routing Solutions certification exam focuses on advanced routing solutions and covers topics such as implementing routing protocols, implementing MPLS VPNs, and implementing multicast protocols. By passing 300-510 Exam, candidates will demonstrate their knowledge and skills in implementing complex routing solutions in a service provider environment.

Cisco Implementing Cisco Service Provider Advanced Routing Solutions Sample Questions (Q12-Q17):

NEW QUESTION # 12

What are three requirements for a static IPv6-in-IPv4 tunnel? (Choose three.)

- A. Cisco Express Forwarding must be enabled.

- B. A static IPv6 address must be configured.
- C. A dynamic IPv6 address must be configured.
- D. A static IPv4 address must be configured.
- E. A dynamic IPv4 address must be configured.
- F. Each tunnel endpoint must support IPv4 and IPv6.

Answer: B,D,F

Explanation:

An IPv6 address is manually configured on a tunnel interface, and manually configured IPv4 addresses are assigned to the tunnel source and the tunnel destination. The host or device at each end of a configured tunnel must support both the IPv4 and IPv6 protocol stacks. Manually configured tunnels can be configured between border devices or between a border device and a host. Cisco Express Forwarding switching can be used for IPv6 manually configured tunnels, or Cisco Express Forwarding switching can be disabled if process switching is needed.

NEW QUESTION # 13

Drag and Drop Question

Drag and drop the features about multicast from the left onto the multicast protocols on the right.

Not all options are used.

Answer Area

Its mroute entry is (*,G) in most environments.

Its mroute entry is (S,G).

The receiver becomes aware of the sender only when it receives a message.

The receiver specifies the multicast addresses from which it wants to receive traffic.

It uses IGMPv3.

It uses IGMPv2.



Answer:

Explanation:

Answer Area

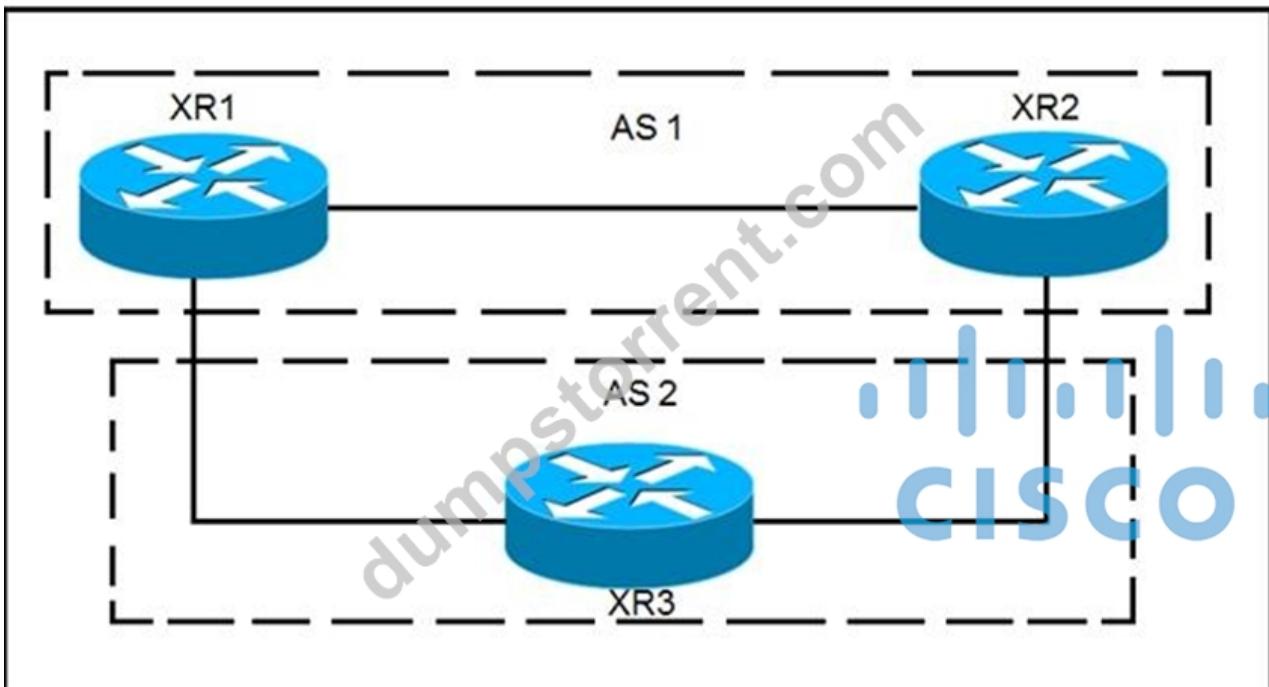
| | | |
|---|-----|--|
| The receiver becomes aware of the sender only when it receives a message. | SSM | Its mroute entry is (S,G). |
| | | It uses IGMPv3. |
| | | The receiver specifies the multicast addresses from which it wants to receive traffic. |



| | |
|-----|---|
| ASM | Its mroute entry is (*,G) in most environments. |
| | It uses IGMPv2. |

NEW QUESTION # 14

Refer to the exhibit.



XR1 and XR2 are sending the prefix 10.11.11.0/24 to XR3. A configured policy on XR1 is incorrectly prepending AS path 11 11 12 12 onto this prefix. A network operator wants to add a policy onto XR3 that will not allow the falsely prepending prefix from being installed. Which policy configuration applied to the XR3 neighbor configuration for XR1 can accomplish this requirement without impact to other or future received routes?

A. route-policy NO_PREPEND
if as-path passes-through '11' then
 pass
 else
 drop
 endif
end-policy

B. route-policy NO_PREPEND
if as-path prepends
 drop
 else
 pass
 endif
end-policy

C. route-policy NO_PREPEND
if as-path passes-through '1' then
 pass
 else
 drop
 endif
end-policy

D. route-policy NO_PREPEND
if as-path passes-through '11' then
 drop
 else
 pass
 endif
end-policy

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

Answer: C

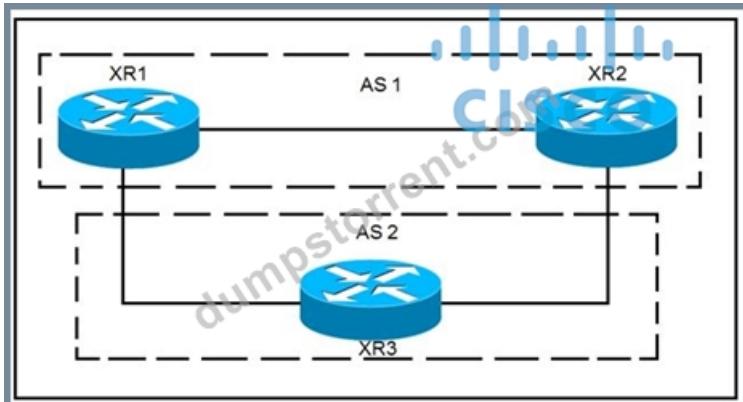
Explanation:

Reference:

b_routing_cr41crs/b_routing_cr41crs_chapter_01000.html#wp3850885229

NEW QUESTION # 15

Refer to the exhibit.



XR1 and XR2 are sending the prefix 10.11.11.0/24 to XR3. A configured policy on XR1 is incorrectly prepending AS path 11 11 12 12 onto this prefix. A network operator wants to add a policy onto XR3 that will not allow the falsely prepending prefix from being installed. Which policy configuration applied to the XR3 neighbor configuration for XR1 can accomplish this requirement without impact to other or future received routes?

- A.

```
route-policy NO_PREPEND
  if as-path passes-through '11' then
    pass
  else
    drop
  endif
end-policy
```
- B.

```
route-policy NO_PREPEND
  if as-path prepends
    drop
  else
    pass
  endif
end-policy
```
- route-policy NO_PREPEND
 if as-path passes-through '1' then
 pass
 else
 drop
 endif
end-policy
- route-policy NO_PREPEND
 if as-path passes-through '11' then
 drop
 else
 pass
 endif
end-policy

 - A. Option B
 - B. Option A

- C. Option D
- D. Option C

Answer: C

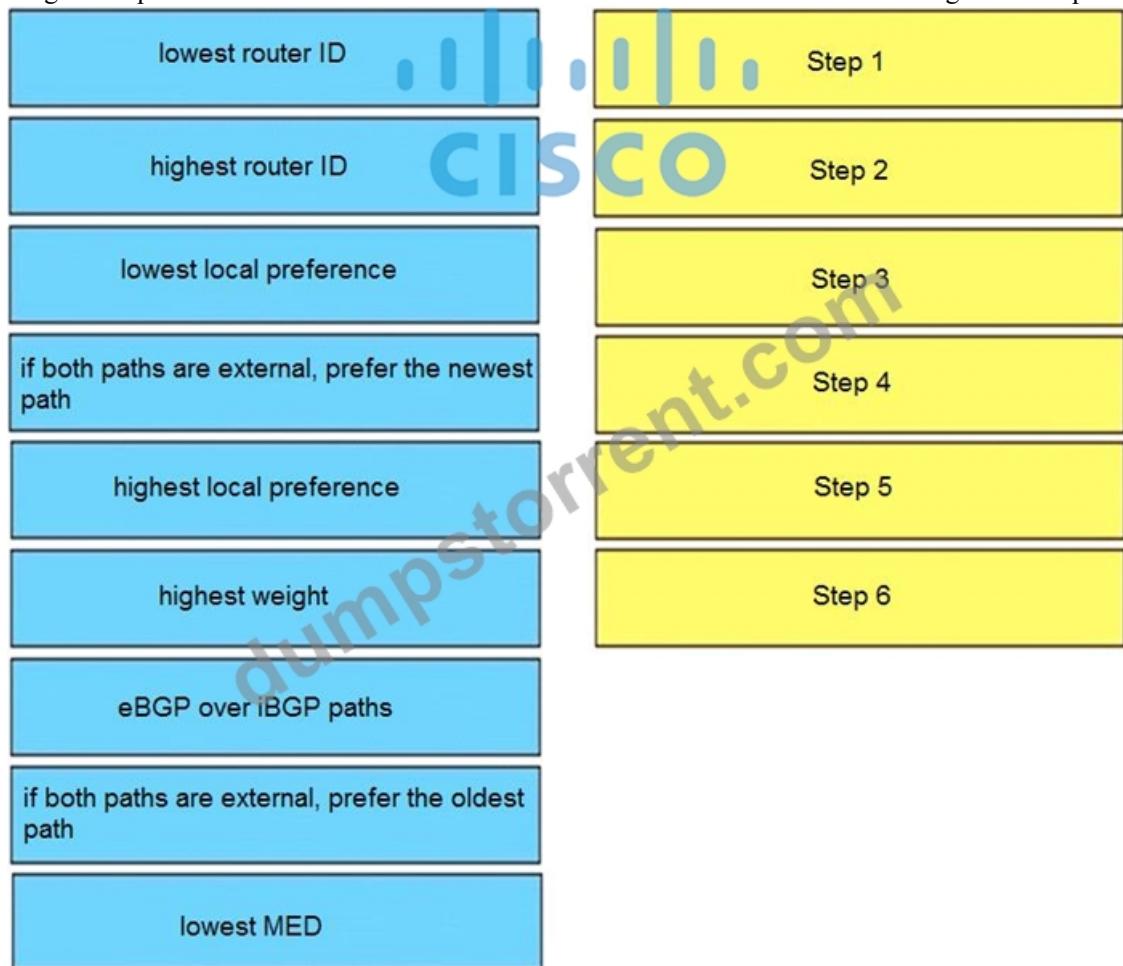
Explanation:

Reference:

https://www.cisco.com/c/en/us/td/docs/routers/crs/software/crs_r4-1/routing/command/reference/b_routing_cr41crs/b_routing_cr41crs_chapter_01000.html#wp3850885229

NEW QUESTION # 16

Drag and drop the attributes for the BGP route selection on the left into the correct order on the right. Not all options are used.



Answer:

Explanation:



NEW QUESTION # 17

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