



# 300-515<sup>Q&As</sup>

Implementing Cisco Service Provider VPN Services (SVPI)

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## QUESTION 1

<b>PE1</b> ip vrf CE1 rd 111:1 route-target export 100:1 route-target import 200:2	<b>PE2</b> ip vrf CE2 rd 112 :2 route-target export 200:2 route-target import 100:1 route-target import 300:3
<b>PE3</b> ip vrf Internet rd 333:3 route-target export 300:3 route-target import 100:1 route-target import 200:2	

Refer to the exhibit. PE1 and PE2 are exchanging VPNv4 routes for CE1 and CE2, and PE3 contains the default route to the internet. If the three devices are operating normally, which two conclusions describe this configuration? (Choose two.)

- A. The CE1 and CE2 VRFs can exchange routes only between their respective VRFs on PE1 and PE2.
- B. All three routers must be running a distance-vector routing protocol.
- C. All three routers must be running MP-BGP.
- D. The CE1 and CE2 VRFs can access the default route provided by the Internet VRF.
- E. Only the CE2 VRF can access the default route provided by the Internet VRF.

Correct Answer: AC

## QUESTION 2



<pre>PE1 ip vrf CE1  rd 101:1  route-target export 100:1  route-target import 200:2</pre>	<pre>PE2 ip vrf CE2  rd 202:2  route-target export 200:2  route-target import 100:1</pre>
<pre>PE3 ip vrf CE3  rd 303:3  route-target export 300:3  route-target import 400:4</pre>	<pre>PE4 ip vrf CE4  rd 404:4  route-target export 400:4  route-target import 300:3</pre>

Refer to the exhibit. A network engineer has been called to configure the four PE devices in order to enable full communication among the four CE devices connected to them. While starting to configure, he experienced a connectivity issue. Which two tasks should the engineer perform in order to begin the process correctly? (Choose two.)

- A. Configure PE3 to export route-targets 100:1 and 200:2.
- B. Configure PE3 to import route-targets 100:1 and 200:2.
- C. Configure PE4 to import route-targets 101:1 and 202:2.
- D. Configure PE2 to export route-targets 300:3 and 400:4.
- E. Configure PE1 to import route-targets 300:3 and 400:4.

Correct Answer: AB

### QUESTION 3

Which statement describes the no bgp default route-target filter command?

- A. Prefixes that are received with route targets and distinguisher are accepted.
- B. Prefixes that are received with route targets and distinguisher are not accepted.
- C. Prefixes that are received with route targets that are not imported at the PE are not accepted.
- D. Prefixes that are received with route targets that are not imported at the PE are accepted.

Correct Answer: D

### QUESTION 4

Which mechanism reduces the network flooding caused by host ARP learning behavior?

- A. ARP suppression



- B. storm control
- C. root guard
- D. BPDU guard

Correct Answer: A

Reference: <https://www.cisco.com/c/en/us/products/collateral/switches/nexus-7000-series-switches/white-paper-c11-735015.html>

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#### QUESTION 5

In an Ethernet Virtual Circuit environment, which restriction do bridge domains have when STP is running?

- A. The STP mode must be RSTP or PVST+
- B. Bridge domains must be mapped to a different VLAN.
- C. The STP mode must be MSTP
- D. Bridge domains must belong to different MST instances.

Correct Answer: C

Reference: [https://www.cisco.com/c/en/us/td/docs/routers/asr920/configuration/guide/ce/b\\_ce\\_xe-313s-asr920-book/b\\_ce\\_xe-313s-asr920-book\\_chapter\\_01.html#reference\\_770349446ED24E83821EF701DDC46BFD](https://www.cisco.com/c/en/us/td/docs/routers/asr920/configuration/guide/ce/b_ce_xe-313s-asr920-book/b_ce_xe-313s-asr920-book_chapter_01.html#reference_770349446ED24E83821EF701DDC46BFD)

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