



# 640-878<sup>Q&As</sup>

Building Cisco Service Provider Next-Generation Network

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### QUESTION 1

On Cisco IOS XR software, what are the four valid address-family configuration command options in static route configuration mode? (Choose four.)

- A. address-family ipv4 unicast
- B. address-family ipv6 unicast
- C. address-family ipv4 multicast
- D. address-family ipv6 multicast
- E. address-family vpnv4
- F. address-family vpnv6

Correct Answer: ABCD

#### address-family ipv4 (BGP)

To enter address family or router scope address family configuration mode to configure a routing session using standard IP Version 4 (IPv4) address prefixes, use the **address-family ipv4** command in router configuration or router scope configuration mode. To exit address family configuration mode and remove the IPv4 address family configuration from the running configuration, use the **no** form of this command.

##### Syntax Available Under Router Configuration Mode

```
address-family ipv4 [mdt | multicast | tunnel | unicast [vrf vrf-name] | vrf vrf-name]
no address-family ipv4 [mdt | multicast | tunnel | unicast [vrf vrf-name] | vrf vrf-name]
```

##### Syntax Available Under Router Scope Configuration Mode

```
address-family ipv4 [mdt | multicast | unicast]
no address-family ipv4 [mdt | multicast | unicast]
```

##### Syntax Description

<b>mdt</b>	(Optional) Specifies an IPv4 multicast distribution tree (MDT) address family session.
<b>multicast</b>	(Optional) Specifies IPv4 multicast address prefixes.
<b>tunnel</b>	(Optional) Specifies an IPv4 routing session for multipoint tunneling.
<b>unicast</b>	(Optional) Specifies IPv4 unicast address prefixes. This is the default.
<b>vrf vrf-name</b>	(Optional) Specifies the name of the VPN routing and forwarding (VRF) instance to associate with subsequent IPv4 address family configuration mode commands.

### QUESTION 2

Refer to the configuration example exhibit.



```
S1(config)# interface f0/1
S1(config-if)# switchport access vlan 118
S1(config-if)# switchport mode dot1q-tunnel
S1(config-if)# interface f0/3
S1(config-if)# switchport access vlan 209
S1(config-if)# switchport mode dot1q-tunnel
```

Which statement is true?

- A. A trunk port has been created and VLAN has been allowed.
- B. An access port has been created on a UNI.
- C. A customer VLAN of 209 is configured.
- D. A QinQ VLAN of 118 is configured.

Correct Answer: D

<http://www.cisco.com/en/US/docs/switches/lan/catalyst4500/12.2/54sg/configuration/guide/tunnel.html#wp1026594>

### QUESTION 3

On Cisco IOS XR software, how is LDP enabled on an interface?

- A. LDP is automatically enabled globally on all interfaces, when ip cef is enabled globally.
- B. LDP is enabled on each interface, using the mpls ip interface configuration command.
- C. LDP is enabled on each interface, using the interface command under mpls ldp (MPLS LDP configuration mode).
- D. LDP is enabled globally on all interfaces, using the mpls ldp global configuration command.
- E. LDP is enabled globally on all interfaces, using the mpls ip global configuration command.

Correct Answer: C

[http://www.cisco.com/en/US/docs/ios-xml/ios/mp\\_ldp/configuration/12-4m/mp-ldp-12-4m-book.pdf](http://www.cisco.com/en/US/docs/ios-xml/ios/mp_ldp/configuration/12-4m/mp-ldp-12-4m-book.pdf)



The following example shows how to enter mpls ldp submode:

```
RP/0/RP0/CPU0:router# config
```

```
RP/0/RP0/CPU0:router(config)# mpls ldp
```

```
RP/0/RP0/CPU0:router(config-ldp)#
```

#### Related Commands

Command	Description
<a href="#">interface (MPLS LDP)</a>	Configures or enables MPLS LDP on an interface.

#### QUESTION 4

Which segment protocol provides fast and predictable convergence (typically within 50 ms) in Layer 2 Ethernet ring topologies?

- A. Spanning Tree Protocol
- B. Flex Links
- C. Resilient Ethernet Protocol
- D. Spatial Reuse Protocol
- E. Resilient Packet Ring

Correct Answer: C

[http://www.cisco.com/en/US/docs/switches/metro/me3400/software/release/12.2\\_40\\_se/configuration/guide/swrep.html](http://www.cisco.com/en/US/docs/switches/metro/me3400/software/release/12.2_40_se/configuration/guide/swrep.html)

Resilient Ethernet Protocol (REP) on the Cisco ME 3400E Ethernet Access switch. REP is a Cisco proprietary protocol that provides an alternative to Spanning Tree Protocol (STP) to control network loops, handle link failures, and improve convergence time. REP controls a group of ports connected in a segment, ensures that the segment does not create any bridging loops, and responds to link failures within the segment. REP provides a basis for constructing more complex networks and supports VLAN load balancing.

#### QUESTION 5

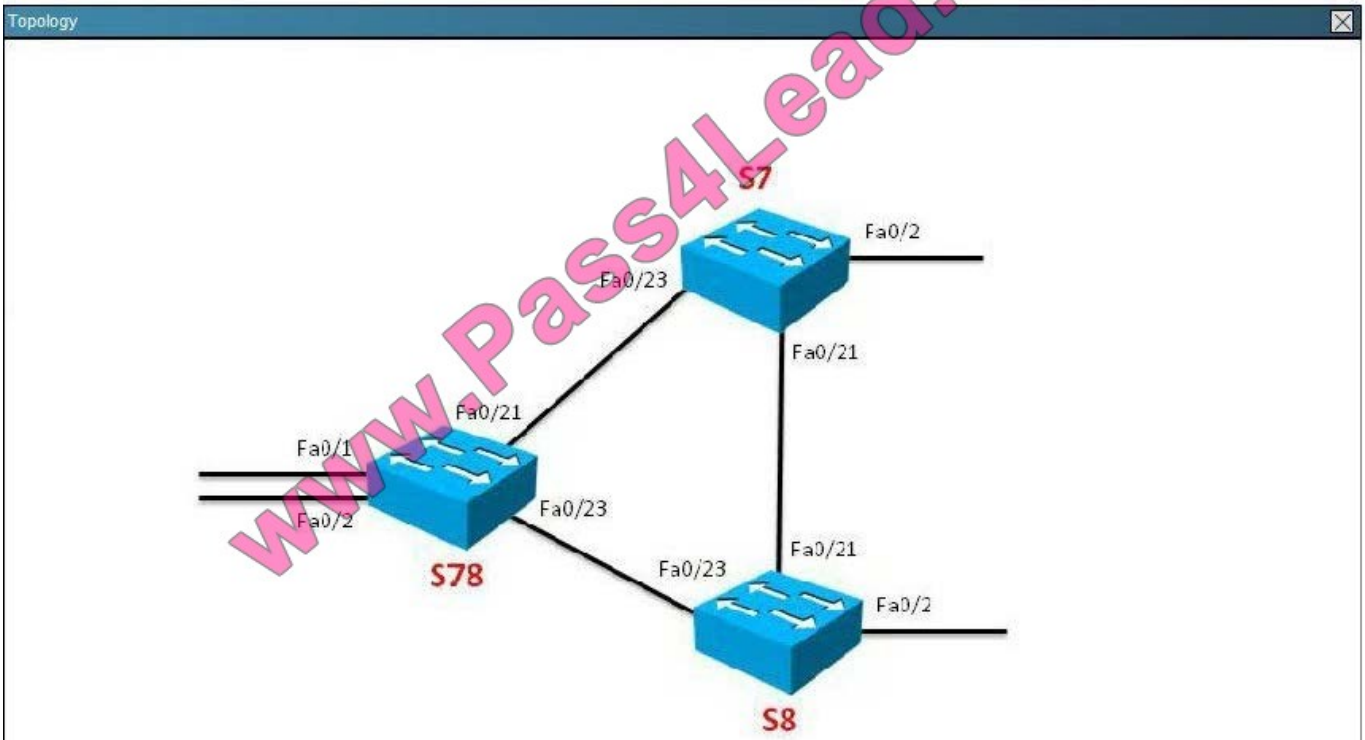


**Instructions**

- Enter the proper IOS CLI show commands and analyze the show outputs on the Cisco switches to answer the multiple-choice questions.
- Not all show commands or show commands options are supported or required for this simulation.
- THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION
- From the Topology, click on the switch icon to gain access to the console of the switch. No console or enable passwords are required.
- To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are four multiple-choice questions with this task. Be sure to answer all four questions before selecting the Next button.

**Scenario**

Refer to the topology diagram. Use the appropriate show commands on the Cisco switches to answer the multiple-choice questions.









Hot Area:

Questions

1 Which vlan(s) is/are mapped to MST instance 2?

2  vlan 1

3  vlan 70

4  vlan 80

vlans 70 and 80

vlans 1, 70 and 80

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Correct Answer:

Questions

1 Which vlan(s) is/are mapped to MST instance 2?

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