350-029^{Q&As}

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QUESTION 1

Which three statements about the Cisco MPLS TE Fast Reroute (FRR) process are true? (Choose three.)

A. TE tunnels that are configured with the FRR option cannot be used as backup tunnels.

B. TE tunnels that are configured with the FRR option can be used as backup tunnels.

C. The backup tunnel that is used to protect a physical interface must have a valid IP address configured.

D. Interfaces must use MPLS global label allocation.

E. The source IP address of use backup tunnel and the merge point (MP) should not be reachable.

Correct Answer: ACD

Restrictions for MPLS Traffic Engineering--Fast Reroute Link and Node Protection ?nterfaces must use MPLS Global Label Allocation. Backup tunnel headend and tailend routers must implement FRR as described in draft-pan-rsvpfastreroute-00.txt.

Backup tunnels are not protected. If an LSP is actively using a backup tunnel and the backup tunnel fails, the LSP is torn down.

LSPs that are actively using backup tunnels are not considered for promotion. If an LSP is actively using a backup tunnel and a better backup tunnel becomes

available, the active LSP is not switched to the better backup tunnel.

You cannot enable FRR Hellos on a router that also has Resource Reservation Protocol (RSVP) Graceful Restart enabled.

(Applicable only to Release 12.2.) You cannot enable primary one-hop autotunnels, backup autotunnels, or autotunnel mesh groups on a router that is also

configured with stateful switchover (SSO) redundancy. This restriction does not prevent an MPLS TE tunnel that is automatically configured by TE autotunnel from being successfully recovered by any midpoint router along the LSP\\'s path if the

router experiences an SSO switchover. ?PLS TE LSPs that are fast reroutable cannot be successfully recovered if the LSPs are FRR active and the Point of Local Repair (PLR) router experiences an SSO. ?hen SSO (stateful switchover)

occurs on a router, the switchover process must complete before FRR (fast reroute) can complete successfully. In a testing environment, allow approximately 2 minutes for TE SSO recovery to complete before manually triggering FRR. To

check the TE SSO status, use the show ip rsvp high availability summary command. Note the status of the HA state field.

When SSO is in the process of completing, this field will display \\'Recovering\\'. When the SSO process has completed, this field will display \\'Active\\'.

QUESTION 2

Select and Place:

Drag the Subsequent Address Family Identifiers number on the left to the correct protocol on the right.

1	Network Layer Reachability Information with MPLS labels
2	MPLS-labeled VPN address
4	BGP MDT SAFI
65	Network Layer Reachability Information used for multicast forwarding
66	Network Layer Reachability Information used for unicast forwarding
128	Virtual Private LAN Service

Correct Answer:

Drag the Subsequent Address Family Identifiers number on the left to the correct protocol on the right.

	4
	128
	66
	2
	1
	65

Explanation/Reference:

1 – Network Layer Reachability Information used for unicast forwarding

2 – Network Layer Reachability Information used for multicast forwarding

4 – Network Layer Reachability Information with MPLS Labels

65 – Virtual Private LAN Service

66 – BGP MGT SAFI

128 – MPLS-labeled VPN address

ReferencE. http://www.iana.org/assignments/safi-namespace/safi-namespace.xhtml

QUESTION 3

Select and Place:

Drag and arrange the Ethernet Q-in-Q frame format fields on the left in the correct sequence on the right.

Etype	1
Outer VLAN tag	2
FCS	3
Destination Address	4
Data	5
Inner VLAN tag	6
Source Address	7

Correct Answer:

Drag and arrange the Ethernet Q-in-Q frame format fields on the left in the correct sequence on the right.

	Destination Address
	Source Address
	Outer VLAN tag
	Inner VLAN tag
	Etype
	Data
	FCS

QUESTION 4

There are two cabling schemes to choose from when implementing a Cisco CRS-1 multi shelf system: single module cabling and multi module cabling. What is the maximum capacity of the LCCs that are supported in multi module cabling?

A. 9 LCCs

B. 7 LCCs

C. 10 LCCs

D. 6 LCCs

E. 8 LCCs

Correct Answer: A

1.4. SP high end product A single card or multiple cards can be grouped as a fabric plane. Single-module cabling requires eight S2 cards in the fabric card chassis. In this mode, each S2 is dedicated to a plane number and cabled to the appropriate line card chassis plane. If your network requires more than three LCC in the multi shelf system, this is achieved using the multi module configuration. Multi module configuration provides capacity to add up to nine LCCs.

QUESTION 5

Select the three valid LMI extension:

A. Multicasting

B. Global addressing

C. Forward-explicit congestion notification (FECN)

D. Virtual circuit status messages.

E. Backward-explicit congestion notification (BECN)

Correct Answer: ABD

Optional LMI Extensions:

The LMI specification also defines several optional extensions:

*

 Global addressing convention

*

 Multicast capability

*

 A simple flow control mechanism

*

 Ability for the network to communicate a PVC\\'s CIR to the subscriber in a Status message

*

 A new message type that allows the network to announce PVC status changes without prompting from the subscriber
Implementors may build any, all, or none of these features into their networks.

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