



4A0-110^{Q&As}

Alcatel-Lucent Advanced Troubleshooting

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QUESTION 1

A LSP is configured with one primary path and one secondary path as below. What configuration is required to make the LSP non-revertive. Choose the best answer.

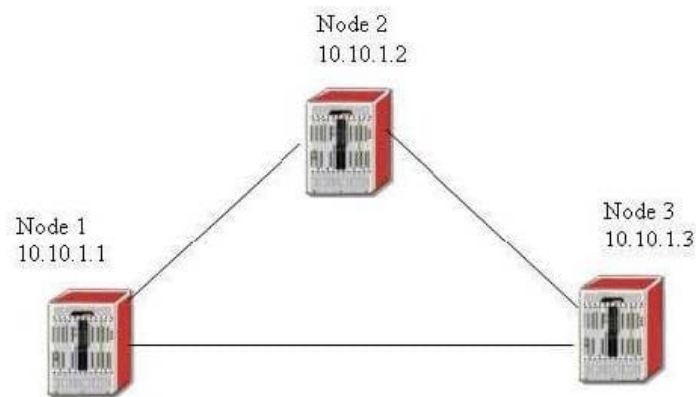
```
config>router>mpls>
    path "toRouter3-loose"
        no shutdown
    path "toRouter3-backup"
        hop 1 10.10.1.2 loose
        no shutdown
    lsp toRouter3
        to 10.10.1.3
        cspf
        primary "toRouter3-loose"
            bandwidth 600
        secondary "toRouter3-backup"
            standby
            bandwidth 600
        no shutdown
```

- A. Turn off CSPF and remove all the bandwidth reservations
- B. Remove the primary path and configure both paths as secondary
- C. Under asp toRouter3? configure on-revertive
- D. It is not possible to configure the LSP as non-revertive
- E. MPLS fast re-route has to be enabled to make it non-revertive

Correct Answer: B

QUESTION 2

Based on the configuration below, which statement best describes the reason why VPLS 101 is not up on all three nodes.



Node-1

```
config>service>
    vpls 101
    stp
        shutdown
    exit
    sap 1/1/5 create
    exit
    spoke-sdp 30:30 create
    exit
    no shutdown
    sdp 30
    far-end 10.10.1.2
    ldp
    keep-alive
        shutdown
    exit
    no shutdown
```

Node-2

```
config>service>
    vpls 101
    stp
```



```
shutdown
exit
spoke-sdp 40:40 create
exit
spoke-sdp 50:50 create
exit
no shutdown
sdp 40
far-end 10.10.1.1
ldp
keep-alive
shutdown
exit
no shutdown
sdp 50
far-end 10.10.1.3
ldp
keep-alive
shutdown
exit
no shutdown
```

Node-3

```
config>service>
vpls 101
stp
shutdown
exit
sap 1/1/5 create
exit
spoke-sdp 60:60 create
exit
no shutdown
sdp 60
far-end 10.10.1.2
ldp
keep-alive
shutdown
exit
no shutdown
```

- A. Service VC id has to match on all three nodes
- B. SDP id has to match on all three nodes
- C. STP has to be enabled on all three nodes
- D. No SAP is configured on Node-2
- E. Mesh-sdp has to be used on all three nodes

Correct Answer: A

QUESTION 3

What MPLS tunnel label(s) will be used in the data packet traveling on LSP toR4 FRR leaving from Node 3 to Node 4?



Node 3

```
# show router mpls lsp toR4FRR path detail

=====
MPLS LSP toR4FRR Path (Detail)
=====

Legend :
@ - Detour Available          # - Detour In Use
b - Bandwidth Protected      n - Node Protected
=====

LSP toR4FRR Path toPod4
=====
LSP Name       : toR4FRR                Path LSP ID    : 17
From           : 10.10.1.3              To             : 10.10.1.4
Adm State      : Up                     Oper State      : Up
Path Name      : toPod4                 Path Type       : Primary
Path Admin     : Up                     Path Oper       : Up
OutInterface   : n/a                    Out Label      : n/a
Path Up Time   : 0d 00:06:15            Path Dn Time    : 0d 00:00:00
Retry Limit    : 0                      Retry Timer     : 30 sec
RetryAttempt   : 3                      Next Retry In   : 6 sec
Bandwidth      : No Reservation          Oper Bandwidth  : 0 Mbps
Hop Limit      : 255
Record Route   : Recrd                  Record Label    : Record
Oper MTU       : 9198                   Negotiated MTU  : 9198
Adaptive       : Enabled                 MBB State       : N/A
Include Grps   :                        Exclude Grps    :
None                                                    None
Path Trans     : 19                      CSPF Queries    : 6
Failure Code   : badNode                 Failure Node     : 10.1.5.1
ExplicitHops   :
    10.10.1.4
Actual Hops    :
    10.1.5.2(10.10.1.3) @ #
    -> 10.1.4.2(10.10.1.4)              Record Label    : 131068
=====

# show router mpls bypass-tunnel

=====
MPLS Bypass Tunnels
=====
To           State   Out I/F      Out Label    Reserved    Protected
              BW (Kbps) LSP Count
-----
10.1.4.2      Active  1/1/6       131069       0           2
=====

Bypass Tunnels : 1
```

- A. 131069 131068
- B. 131068 3
- C. 131069



D. 131068

E. No label is used in the data packet

Correct Answer: A

QUESTION 4

Based on the following CLI Output, why is the path toPod3-loose down?

A. Path toPod3-loose is down because it is secondary path with no standby configured

B. Path toPod3-loose is down because there is no explicit hop specified

C. Path toPod3-loose is down because CSPF is not enabled

D. Path toPod3-loose is down because the destination address 0.10.1.3 is not reachable

E. Path toPod3-loose is not down because the failure code is oError

Correct Answer: A

QUESTION 5

Based on the following MP-BGP update packet, what is the export route-target of peer 10.10.1.4 on Node 1?

Node 1

```
1 2007/04/28 10:28:47.24 UTC MINOR: DEBUG #2001 - Peer 1: 10.10.1.4
"Peer 1: 10.10.1.4: UPDATE
Peer 1: 10.10.1.4 - Received BGP UPDATE:
  Withdrawn Length = 0
  Total Path Attr Length = 77
  Flag: 0x40 Type: 1 Len: 1 Origin: 0
  Flag: 0x40 Type: 2 Len: 0 iS Path:
  Flag: 0x40 Type: 5 Len: 4 Local Preference: 100
  Flag: 0xc0 Type: 16 Len: 8 Extended Community:
    target:10C:101
  Flag: 0x90 Type: 14 Len: 48 Multiprotocol Reachable NLRI:
    Address Family VPN-IPV4
    NextHop len 12 NextHop 10.10.1.4
    40.1.1.1/32 RD 200:201 Label 131067
    30.1.2.0/24 RD 200:201 Label 131067
"

2 2007/04/28 10:28:52.34 UTC MINOR: DEBUG #2001 - Peer 1: 10.10.1.4
"Peer 1: 10.10.1.4: UPDATE
Peer 1: 10.10.1.4 - Send BGP UPDATE:
  Withdrawn Length = 0
  Total Path Attr Length = 69
  Flag: 0x40 Type: 1 Len: 1 Origin: 0
  Flag: 0x40 Type: 2 Len: 0 iS Path:
  Flag: 0x40 Type: 5 Len: 4 Local Preference: 100
  Flag: 0xc0 Type: 16 Len: 16 Extended Community:
    target:10C:100
    target:20C:200
  Flag: 0x90 Type: 14 Len: 32 Multiprotocol Reachable NLRI:
    Address Family VPN-IPV4
    NextHop len 12 NextHop 10.10.1.3
    30.1.1.0/24 RD 200:101 Label 131067
```



- A. 100:100
- B. 100:100 and 200:200
- C. 200:200
- D. 100:101
- E. 200:101

Correct Answer: B

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