



# 4A0-110<sup>Q&As</sup>

Alcatel-Lucent Advanced Troubleshooting

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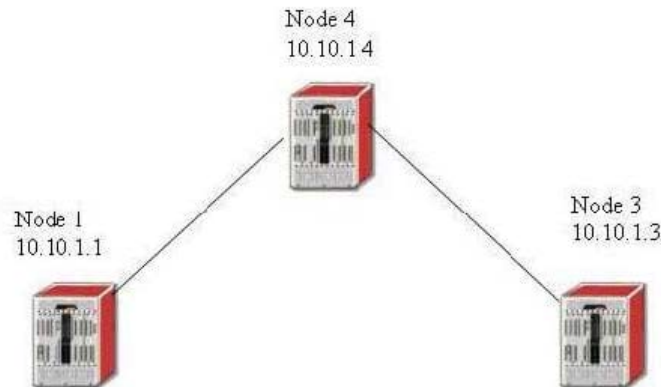
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## QUESTION 1

Based on the show display below, what should be done to further trouble the LSP problem? Choose all valid actions.



```
# show router mpls lsp toNode3 path toNode3 detail
=====
MPLS LSP toNode3 Path (Detail)
=====
Legend :
  @ - Detour Available          # - Detour In Use
  k - Bandwidth Protected      n - Node Protected
=====

LSP toNode3 Path toNode3
=====
LSP Name       : toNode3                Path LSP ID    : 1
From           : 10.10.1.1              To             : 10.10.1.3
Adm State      : Up                     Oper State      : Down
Path Name      : toNode3                Path Type       : Primary
Path Admin     : Up                     Path Oper       : Down
OutInterface   : n/a                    Out Label       : n/a
Path Up Time   : 0d 00:00:00             Path Dn Time    : 0d 00:01:12
Retry Limit    : 0                      Retry Timer     : 30 sec
RetryAttempt   : 1                      Next Retry In   : 19 sec
Bandwidth      : No Reservation           Oper Bandwidth  : 0 Mbps
Hop Limit      : 255
Record Route    : Record                 Record Label    : Record
Oper MTU        : 9198                   Negotiated MTU  : 9198
Adaptive        : Enabled                 MBB State       : N/A
Include Grps    :                        Exclude Grps     :
None                                                    None
Path Trans      : 8                      CSPF Queries    : 0
Failure Code    : noRouteToDestination    Failure Node     : 10.10.1.1
ExplicitHops    :
  10.10.1.4      -> 10.10.1.3
Actual Hops     :
  No Hops Specified
```

- A. Check all the interface filters to make sure no LDP protocol is blocked
- B. Check all management filters to make sure no RSVP-TE protocol is blocked
- C. Verify all explicit hops are reachable via IGP
- D. Make sure MPLS is enabled on all appropriate interfaces
- E. Make sure LDP is enabled on all appropriate interfaces

Correct Answer: BCD



## QUESTION 2

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:100:101
  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:100:100
    target:200:200
  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

## QUESTION 3

What are the possible logging destinations supported on the Alcatel 7x50?

- A. Syslog
- B. Session
- C. FTP server
- D. Memory log

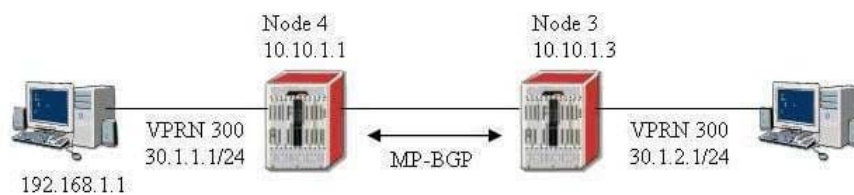


E. Compact flash

Correct Answer: ABDE

#### QUESTION 4

VPRN 300 is configured on Node 4. BGP is being used as the PE-CE routing protocol. Node 2 is the CE router. The BGP session is not established between Node 4 and Node 2. What is missing in the configuration?



Node 2

```
# config>router>bgp
    group "vrf"
      local-as 400
      neighbor 30.1.2.1
      peer-as 100

# show router bgp neighbor 30.1.2.1

=====
BGP Neighbor
=====
-----
Peer   : 30.1.2.1
Group  : vrf
-----
Peer AS      : 100      Peer Port      : 0
Peer Address : 30.1.2.1
Local AS     : 400      Local Port     : 0
Local Address : 0.0.0.0
Peer Type    : External
State        : Active   Last State     : Connect
Last Event   : openFail
Last Error   : Cease
Local Family : IPv4
Remote Family : Unused
```



```
Remote Family      : Unused
Hold Time          : 30
Active Hold Time   : 0
Cluster Id         : None
Preference         : 170
Recd. Paths        : 0
Keep Alive         : 30
Active Keep Alive  : 0
Num of Flaps       : 0
```

Node 4

```
# config>service>vprn 300
  route-distinguisher 200:200
  auto-bind l3p
  vrf-target target:100:100
  interface "toCPE4" create
    address 30.1.2.1/24
    sap 1/1/3 create
    exit
  exit
  static-route 40.1.1.1/32 next-hop 30.1.2.2
  bgp
    group "vrf"
      type external
      local-as 100
      neighbor 30.1.2.2
        peer-as 400
      exit
    exit
  exit
  no shutdown
```

```
# show router 300 bgp neighbor 30.1.2.2
```

```
=====
BGP Neighbor
=====
```

```
Peer : 30.1.2.2          Group : vrf
=====
```

```
Peer AS      : 400          Peer Port      : 0
Peer Address  : 30.1.2.2
Local AS      : 100         Local Port    : 0
```

- A. Type external has to be configured on Node 2 under group vrf
- B. Autonomous-system has to be configured on Node 4 under vprn 300
- C. Router-id has to be configured on Node 4 under vprn 300
- D. Router-id has to be added under BGP on Node 2
- E. EBGp will not work under VPRN

Correct Answer: B

## QUESTION 5

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

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