



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

Alcatel-Lucent Advanced Troubleshooting

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### QUESTION 1

VPRN 300 is configured on Node 3 and Node 4 with LDP and MP-BGP. No route can be found in the VPRN 300 routing table on both Nodes. What is the cause of the problem?

Node 3

```
config>service>vprn 300
  autonomous-system 100
  spoke-sdp 34
  vrf-target export target:100:101 import target:100:100
  interface "toCPE4" create
    address 30.1.2.1/24
    sap 1/1/3 create
  exit
exit
no shutdown
```

Node 4

```
config>service>vprn 300
  spoke-sdp 43
  vrf-target export target:100:100 import target:100:101
  interface "toCPE3" create
    address 30.1.1.1/24
    sap 1/1/7:3.4 create
  exit
exit
static-route 5.5.5.5/32 next-hop 30.1.1.2
no shutdown
```

- A. No static route configured on Node 4
- B. No LDP defined in the VPRN configuration on both nodes
- C. VRF-target does not match on Node 3 and Node 4
- D. Route-distinguisher configuration is missing on Node 3 and Node 4
- E. Encapsulation type on the SAP does not match on Node 3 and Node 4

Correct Answer: D

### QUESTION 2

Node 1 and Node 2 are directly connected running LDP. The system ip address of Node 2 is 10.10.10.1.2. Based on the following display, why is the sdp down?



Node 1

```
show service sdp 40 detail
```

```
-----  
Sdp Id 40  -(10.10.1.2)  
-----
```

SDP Id	: 40	Oper Path MTU	: 0
Admin Path MTU	: 0	Delivery	: LDP
Far End	: 10.10.1.2	Oper State	: Down
Admin State	: Up	VLAN VC Etype	: 0x8100
Signaling	: TLDP	Collect Stats	: Disabled
Acct. Pol	: None	Adv. MTU Over.	: No
Last Status Change	: 12/18/2006 16:29:39		
Last Mgmt Change	: 12/15/2006 14:49:51		
Flags	: TransportTunnDown		

Keepalive Information :

Admin State	: Disabled	Oper State	: Disabled
Hello Time	: 10	Hello Msg Len	: 0
Hello Timeout	: 5	Unmatched Replies	: 0
Max Drop Count	: 3	Hold Down Time	: 10
Tx Hello Msgs	: 0	Rx Hello Msgs	: 0

```
LDP Sessions
```

```
=====
```

Peer LDP Id	Adj Type State	Msg Sent	Msg Recv	Up Time
10.10.1.2:0	Targeted Established	31285	116633	3d 04:25:55

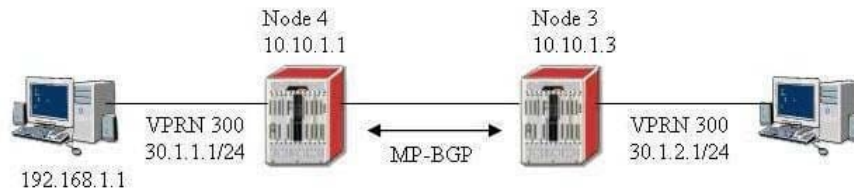
```
-----
```

- A. Local SDP id does not match with the remote sdp id.
- B. Far End IP address is not reachable.
- C. Keepalive has to be enable on the SDP.
- D. LDP is not enable on the remote node's interface.
- E. Targeted LDP session is disabled on the remote node.

Correct Answer: A

### QUESTION 3

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 Event   : openFail
Last Error   : Cease
Local Family : IPv4
Remote Family : Unused

Hold Time      : 30          Keep Alive     : 30
Active Hold Time : 0          Active Keep Alive : 0
Cluster Id     : None
Preference     : 170         Num of Flaps    : 0
Recd. Paths    : 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
    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
Local Address : 0.0.0.0
```



- 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 4

Which files have to exist on Compact Flash 3 during system initialization on the Alcatel 7x50?

- A. iom.tim
- B. boot.ldr
- C. cpm.tim
- D. config.cfg
- E. bof.cfg

Correct Answer: BE

---

#### 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: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

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