



4A0-110^{Q&As}

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QUESTION 1

VPN 300 is configured on Node 3 and Node 4 with LDP as the transport. No VPN routes are exchanged between Node 3 and Node 4. What is the cause of the problem?

Node 3

Route Table (Service: 300)						
Dest Address	Next Hop	Type	Proto	Age	Metric	Pref
30.1.1.0/24	toCPE3	Local	Local	00h07m42s 0	0	0

Node 4

Route Table (Service: 300)						
Dest Address	Next Hop	Type	Proto	Age	Metric	Pref
30.1.2.0/24	toCPE4	Local	Local	00h00m05s 0	0	0
40.1.1.1/32	30.1.2.2	Remote	Static	00h00m05s 1	5	5

Node 3

```
community "VPN300IN" members "target:100:100"
community "VPN300OUT" members "target:100:100" "target:200:200"
policy-statement "VPN300IN"
  entry 10
    from
      community "VPN300IN"
    exit
    action accept
    exit
  exit
exit
policy-statement "VPN300OUT"
  entry 10
    action accept
    community add "VPN300OUT"
  exit
exit
exit
```

Node 3



```
# show service id 300 base

=====
Service Basic Information
=====
Service Id       : 300                Vpn Id           : 0
Service Type     : VPRN
Customer Id      : 1
Last Status Change: 04/28/2007 10:20:08
Last Mgmt Change  : 04/30/2007 12:13:01
Admin State      : Up                 Oper State        : Up

Route Dist.      : 100:100
AS Number        : None               Router Id         : 10.10.1.3
ECMP             : Enabled            ECMP Max Routes   : 1
Max Routes       : No Limit           Auto Bind         : LDP
Vrf Target       : target:100:101
Vrf Import       : VPRN300IN
Vrf Export       : VPRN300OUT

SAP Count        : 1                  SDP Bind Count    : 0

-----
Service Access & Destination Points
-----
Identifier      Type      AdmMTU  OprMTU  Adm    Opr
-----
sap:1/1/7:3.4   qinq    1522    1522    Up     Up
```

Node 4

```
# show service id 300 base

=====
Service Basic Information
=====
Service Id       : 300                Vpn Id           : 0
Service Type     : VPRN
```

- A. VRF policy configured on Node 3 does not match with vrf-target configured on Node 4
- B. No SDP defined in the VPRN configuration on both nodes
- C. VRF-target mismatch on Node 3 and Node 4
- D. Route-distinguisher mismatch on Node 3 and Node 4
- E. Encapsulation type mismatch on SAPs on Node 3 and Node 4

Correct Answer: A

QUESTION 2

Node 1 and Node 2 are directly connected running LDP. The system ip address of Node 2 is 10.10.10.2. 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  
Admin Path MTU   : 0                Oper Path MTU       : 0  
Far End          : 10.10.1.2         Delivery            : LDP  
Admin State      : Up                Oper State          : Down  
Signaling        : TLDP              VLAN VC Etype       : 0x8100  
Acct. Pol        : None              Collect Stats       : Disabled  
Last Status Change : 12/18/2006 16:29:39 Adv. MTU Over.      : No  
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

The LDP session is not down between Node-1 and Node-2. Based on the following configurations, what is the cause of the problem?



Node-1

```
config>router>
  ospf
    traffic-engineering
    area 0.0.0.0
      interface "toPod2"
        authentication-key "Ag82AiJ5CdWf/SU" hash2
    ldp
      interface-parameters
      interface "toPod2"
      targeted-session

# show router ldp session
=====
LDP Sessions
=====
Peer LDP Id          Adj Type State      Mesg Sent  Mesg Recv  Up Time
-----
10.10.1.2:0          Link      Unknown    2           3          0d 00:00:08
-----
No. of Sessions: 1
```

Node-2

```
config>router>
  ospf
    area 0.0.0.0
      interface "toPod1"
    area 0.0.0.1
      interface "system"
    ldp
      interface-parameters
      interface "toPod2"
      targeted-session

# show router ldp session
=====
LDP Sessions
=====
Peer LDP Id          Adj Type State      Mesg Sent  Mesg Recv  Up Time
-----
10.10.1.1:0          Both      Open        190         192        0d 00:09:55
-----
No. of Sessions: 1
=====
```

- A. LDP targeted-session is enabled with no service configured
- B. OSPF adjacency is not up between Node-1 and Node-2
- C. Router id is not advertised by OSPF
- D. LDP is disabled on Node-1
- E. Traffic-engineering is not enabled on Node-2

Correct Answer: C

QUESTION 4

Two direct connected routers are running RIPv2, neighbors are up but there is no route in the RIP database. Review the configuration information below. What is the potential problem?



Node 1

```
router rip
group "test"
neighbor "toPod2"
exit
exit
```

Node 2

```
router rip
group "test"
neighbor "toPod1"
exit
exit
```

- A. System interface is not added to the RIP protocol
- B. No import policy is configured
- C. No export policy is configured
- D. Split-horizon has to be disabled in RIP
- E. Message-size has to be configured with a non-zero value

Correct Answer: C

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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