



4A0-110^{Q&As}

Alcatel-Lucent Advanced Troubleshooting

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**QUESTION 1**

A policy is configured to redistribute four active static routes into ISIS. No ISIS route is received on the far end, what is the cause of the problem?

```
config>router>policy-options>
  policy-statement static-isis
    entry 10
      from
        protocol static
config>router>isis>
  area-id 69.1000
  export "static-isis"
  interface "toNode2"
```

- A. Action accept?has to be configured for entry 10
- B. Default-action has to be configured as accept
- C. Import policy should be configured under ISIS instead of export policy
- D. Within entry 10, to protocol isis has to be configured
- E. A prefix list has to be configured to filter the routes

Correct Answer: A

QUESTION 2

VPRN 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	1	5

Node 3

```
community "VPRN300IN" members "target:100:100"
community "VPRN300CUT" members "target:100:100" "target:200:200"
policy-statement "VPRN300IN"
  entry 10
    from
      community "VPRN300IN"
    exit
    action accept
  exit
exit
policy-statement "VPRN300OUT"
  entry 10
    action accept
    community add "VPRN300OUT"
  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

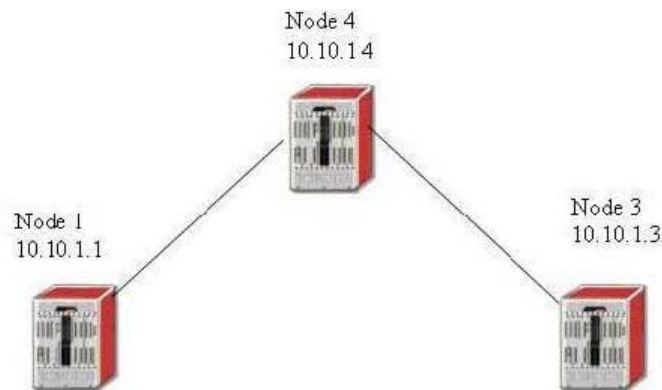
```
# show service id 300 base
=====
Service Basic Information
=====
Service Id       : 300                Vpn Id           : 0
Service Type    : VPRN
```

- 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 3

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
Path Trans     : 8                      CSFP 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 4

Two routers are physically connected to each other over Ethernet port 1/1/1. Review the configuration information



below. What state should the OSPF neighbor be in?

```
config> port 1/1/1
    ethernet
    mtu 1514
    exit
    no shutdown
router interface toNode2
    address 10.1.5.1/24
    port 1/1/1
router ospf
    area 0.0.0.0
    interface "toNode2"
    mtu 1500
```

Node 2

```
config> port 1/1/1
    no shutdown
router interface toNode1
    address 10.1.5.2/24
    port 1/1/1
router ospf
    area 0.0.0.0
    interface "toNode1"
    mtu 1500
```

- A. INIT
- B. EXCHANGE
- C. EXSTART
- D. FULL
- E. No OSPF neighbor

Correct Answer: D

QUESTION 5

If a router needs to support services offering of 1514 byte service payload over POS with MPLS FRR, what is the physical MTU size required on the network ports?

- A. 1524
- B. 1536
- C. 1540
- D. 1514
- E. 1528

Correct Answer: E