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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 "VPRN300OUT" 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

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
Admin 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   : Reccrd                  Record Label   : Record
Oper MTU       : 9198                    Negotiated MTU : 9198
Adaptive       : Enabled                 MBB State      : N/A
Include Grps   :                         Exclude Grps   :
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



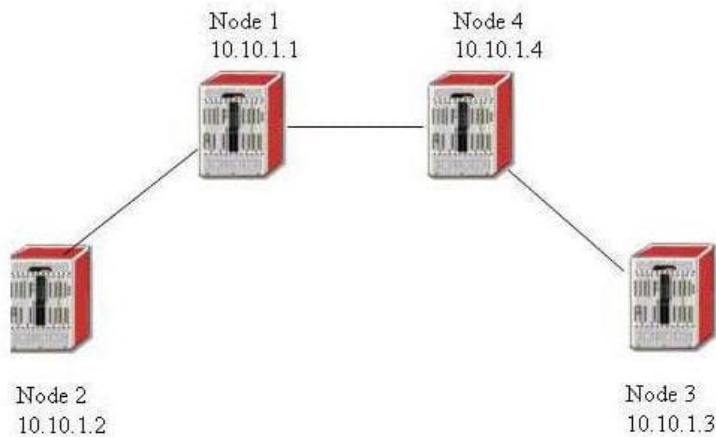
D. 131068

E. No label is used in the data packet

Correct Answer: A

QUESTION 4

A SDP is created on Node-2 with the far end address set to Node-3. The SDP stays down on Node-2. Based on the following CLI output from Node 2, what is the caused of the problem?



```

Node 2
# show service sdp 106 detail
-----
Sdp Id 106 -(10.10.1.3)
-----
SDP Id           : 106
Admin Path MTU   : 0
Far End          : 10.10.1.3
Admin State      : Up
Signaling        : TLDP
Acct. Pol       : None
Last Status Change : 12/18/2006 17:16:36
Last Mgmt Change  : 12/18/2006 16:55:36
Flags           : TransportTunnDown
Oper Path MTU    : 0
Delivery         : LDP
Oper State       : Down
VLAN VC Etype   : 0x8100
Collect Stats    : Disabled
Adv. MTU Over.   : No

# show router ldp session
=====
LDP Sessions
=====
Peer LDP Id      Adj Type State      Mesg Sent Mesg Recv  Up Time
-----
10.10.1.1:0     Both   Established 36658    121998    3d 07:56:35
10.10.1.3:0     Targeted Established 540      541       0d 00:48:38
10.10.1.4:0     Targeted Established 1183     1183      0d 01:47:15

# show router ldp bindings active
=====
Legend: (S) - Static
=====
LDP Prefix Bindings (Active)
=====
Prefix          Op   IngLbl  EgrLbl  EgrIntf  EgrNextHop
-----
10.10.1.1/32   Push --      131071  1/1/3    10.1.2.1
10.10.1.2/32   Pop  131071  --      --       --
10.10.1.4/32   Push --      131070  1/1/3    10.1.2.1
=====
No. of Prefix Bindings: 3
  
```



- A. No LDP link session between Node 2 and Node 4
- B. No LDP link session between Node 4 and Node 3
- C. No LDP link session between Node 1 and Node 4
- D. No LDP link session between Node 3 and Node 2
- E. None of the above

Correct Answer: B

QUESTION 5

Which command can be used to view all interfaces configured under VPRN 300?

- A. Show router interfaces
- B. Show router interface vprn 300
- C. Show router 300 interfaces
- D. Show service vprn 300 interfaces
- E. Show service id 300 interfaces

Correct Answer: C

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