



4A0-110^{Q&As}

Alcatel-Lucent Advanced Troubleshooting

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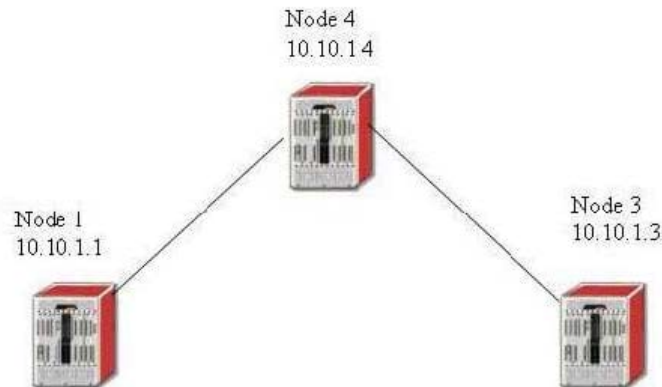
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QUESTION 1

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
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

Node 1 receives some VPRN routes from Node 2, but Node 2 is not receiving any VPRN routes from Node 1. Routes in VPRN 400 route table are found on Node 1 as follows: Based on the configuration below, why is Node 2 not receiving BGP VPN routes from Node 1?

Route Table (Service: 400)						
Dest Address	Next Hop	Type	Proto	Age	Metric	Pref
192.168.40.0/24	to-CPE1	Local	Local	01h39m36s	0	0
192.168.1.1/32	192.168.40.2	Remote	Static	01h27m24s	1	5
192.168.41.0/24	10.10.1.4	Remote	BGP VPN	00h35m37s	0	170

Node 1

```
policy-options
begin
prefix-list "exportVPRN100"
prefix 192.168.0.0/16 longer
exit
community "exportVPRN100" members "target:65535:100" "target:65535:101"
community "importVPRN100" members "target:65535:101"
policy-statement "export-VPRN100"
entry 10
from
prefix-list "exportVPRN100"
exit
action accept
community add "target:65535:101"
exit
exit
policy-statement "import-VPRN100"
entry 10
from
community "importVPRN100"
exit
action accept
exit
exit
vprn 400 customer 1 create
vrf-import "import-VPRN400"
vrf-export "export-VPRN400"
route-distinguisher 65535:400
spoke-sdp 10 create
interface "to-CPE1" create
address 192.168.40.1/24
sap 1/1/3:4 create
exit
no shutdown
```

Node 2

```
vprn 400 customer 1 create
vrf-target target:65535:101
route-distinguisher 65535:400
spoke-sdp 10 create
interface "to-CPE2" create
address 192.168.41.1/24
sap 1/1/3:4 create
exit
no shutdown
```

- A. VRF import and export policies defined on Node 1 do not match with vrf-target defined on Node 2
- B. Prefix-list exportVPRN100 is applied on Node 1 but not on Node 2
- C. More than one import route targets are defined on Node 1 and only one defined on Node 2
- D. VRF target has to be defined on Node 1 as well

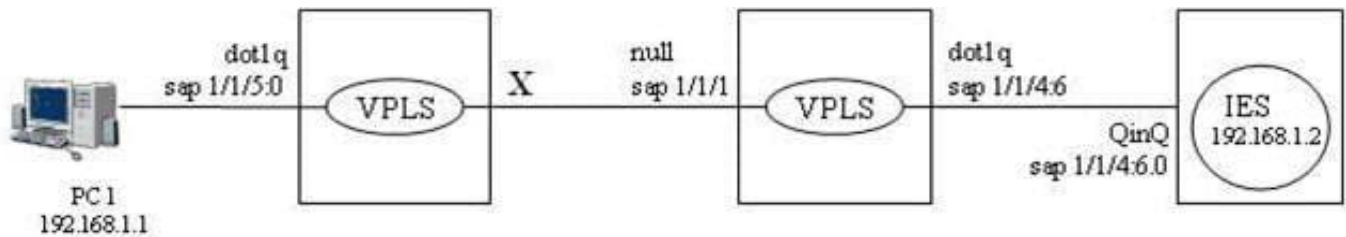


E. Community target:65535:101 is not defined on Node 1

Correct Answer: E

QUESTION 3

Refer to the diagram below, what encapsulation type and VLAN tag are required at point X for the PC to ping the IES interface?



A. qinq sap 1/1/1:6.0

B. qinq sap 1/1/1:6.*

C. dot1q sap 1/1/1:6

D. null sap 1/1/1

E. There is no way to make ping works in this case

Correct Answer: D

QUESTION 4

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 "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
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 5

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

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