

4A0-110^{Q&As}

Alcatel-Lucent Advanced Troubleshooting

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QUESTION 1

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  
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 2

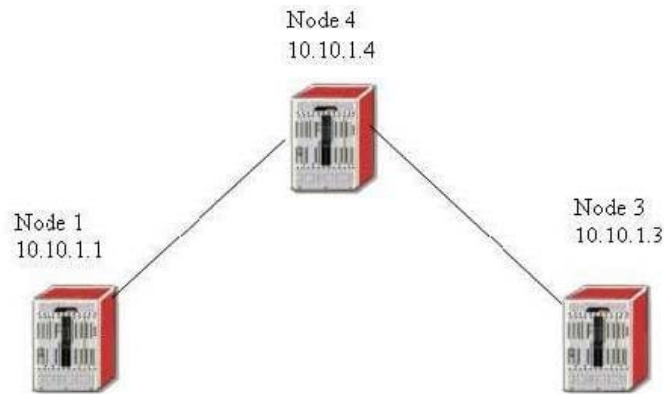
What are the possible logging destinations supported on the Alcatel 7x50?

- A. Syslog
- B. Session
- C. FTP server
- D. Memory log
- E. Compact flash

Correct Answer: ABDE

QUESTION 3

LSP toNode3 is configured on Node1, all hops configured in the lsp path and lsp destination address are reachable via IGP. Both primary and secondary LSP paths are down with failure code equal toRoute ToDestination. What is the potential cause of this problem?



```
config>router>
  mpls
  interface "system"
  exit
  interface "toPod4"
  exit
  interface "toPod3"
  exit
  path "toNode3-strict"
    hop 1 10.10.1.4 strict
    hop 2 10.10.1.3 strict
  no shutdown
  exit
  path "toNode3-loose"
  no shutdown
  exit
  lsp "toNode3"
  to 10.10.1.3
  cspf
  primary "toPod3-strict"
  exit
  secondary "toPod3-loose"
  standby
  exit
  no shutdown
  exit
  no shutdown
```

- A. A loose hop has to be configured in path toNode3-loose

- B. The secondary path should not be configured as standby path
- C. No traffic engineering information is exchanged by the IGP protocol
- D. CSPF cannot be enabled with strict hop path
- E. MPLS should not be enabled on interface toPod3

Correct Answer: C

QUESTION 4

A CSPF LSP with no bandwidth requirement is established from Node 1 (10.10.1.1) to Node 2 (10.10.1.2). OSPF-TE is enabled on all routers in the network. What commands can be used on Node 1 to determine if another LSP can be established to Node 2 with 400M bandwidth requirement? Choose all that apply.

- A. Show router lsp detail
- B. Show router ospf database detail
- C. Show router ospf opaque-database detail
- D. Tools perform router mpls cspf to 10.10.1.2 bandwidth 400
- E. Tools dump router mpls lspinfo

Correct Answer: CD

QUESTION 5

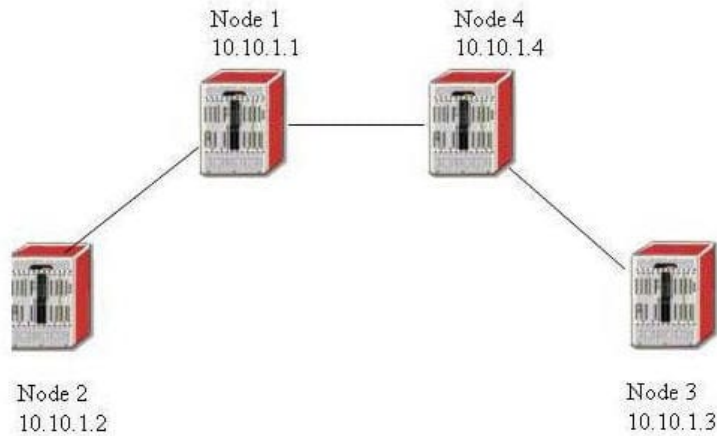
Which command can be used to view all interfaces configured under VPRN 300?

- 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

QUESTION 6

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 7

Two routers are physically connected running ISIS. ISIS L2 adjacency is up and running but L1 adjacency is not up. Review the configuration information shown below: Which of the following statement best describe the cause of the problem? Select one answer only.

Pod-1

```
config>router>
  isis
  interface "toPod2"
  exit

# show router isis interface detail
=====
ISIS Interfaces
=====
-----
Interface      : toPod2                      Level Capability: L1L2
Oper State     : Up                        Admin State      : Up
Auth Type      : None
Circuit Id     : 2                          Retransmit Int. : 5
Type           : Broadcast                  LSP Pacing Int. : 100
Mesh Group     : Inactive                    CSNP Int.       : 10
Bfd Enabled    : No

Level          : 1                          Adjacencies     : 0
Desg. IS       : Pod1                        Metric          : 10
Auth Type      : None                       Hello Mult.     : 3
Hello Timer    : 9                          Passive         : No
Priority       : 64

Level          : 2                          Adjacencies     : 1
Desg. IS       : Pod1                        Metric          : 10
Auth Type      : None                       Hello Mult.     : 3
Hello Timer    : 9                          Passive         : No
Priority       : 64
```

Pod-2

```
config>router>
  isis
  interface "toPod1"
  exit

# show router isis interface detail
=====
ISIS Interfaces
=====
-----
Interface      : toPod1                      Level Capability: L1L2
Oper State     : Up                        Admin State      : Up
Auth Type      : None
Circuit Id     : 3                          Retransmit Int. : 5
Type           : Broadcast                  LSP Pacing Int. : 100
Mesh Group     : Inactive                    CSNP Int.       : 10
Bfd Enabled    : No

Level          : 1                          Adjacencies     : 0
Desg. IS       : Pod2                        Metric          : 10
Auth Type      : None                       Hello Mult.     : 3
Hello Timer    : 9                          Passive         : No
Priority       : 64

Level          : 2                          Adjacencies     : 1
Desg. IS       : Pod1                        Metric          : 10
Auth Type      : None                       Hello Mult.     : 3
Hello Timer    : 9                          Passive         : No
Priority       : 64
```

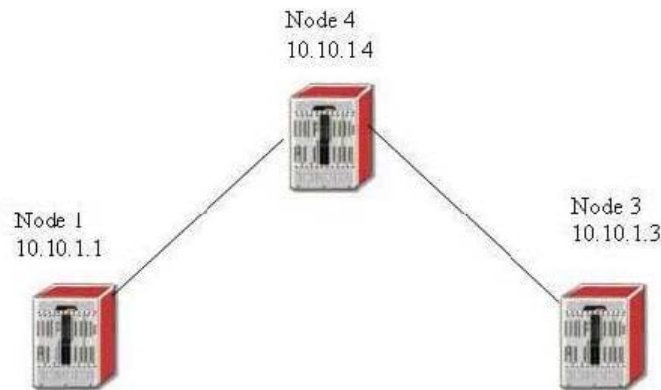
A. The ISIS interface level is not configured on both routers

- B. The ISIS interface type should be configured as point-to-point interfaces
- C. ISIS System IDs are not configured on both routers
- D. ISIS Area addresses are not configured on both routers
- E. ISIS level capacity are not configured on both routers

Correct Answer: D

QUESTION 8

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
=====

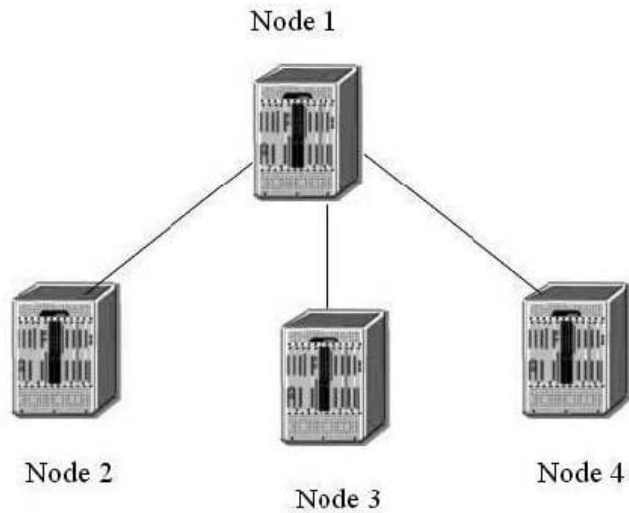
LSP toNode3 Path toNode3
-----
LSP Name      : toNode3                Path LSP ID   : 1
From          : 10.10.1.1              To            : 10.10.1.3
Adm State     : Up                     Oper State    : Down
Path Name     : toNode3                Path Type     : Primary
Path Admin    : Up                     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
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 9

Based on the following configuration, which of the following statements are true? Choose all that apply.



Node-1

```
config>router>ospf#
  area 0.0.0.0
    interface "to-Node-2"
      metric 50
      authentication-key "DoGpEhE4333mNp52Iug6Z82" hash2
    interface "to-Node-3"
      metric 50
  area 0.0.0.1
    nssa
      originate-default-route
    interface "to-Node-4"
      metric 50
```

Node-2

```
config>router>ospf#
  area 0.0.0.0
    interface "to-Node-1"
      authentication-key "Sb77iS4bFCeH2&rm5iaFuHAXNbn1Ag82" hash2
```

Node-3

```
config>router>ospf#
  area 0.0.0.3
    interface "to-Node-1"
      hello-interval 15
```

Node-4

```
config>router>ospf#
  area 0.0.0.1
    interface "to-Node-1"
      metric 50
```

- A. No OSPF adjacency found on Node 1
- B. Full OSPF adjacency between Node-1 and Node-2
- C. Full OSPF adjacency between Node-1 and Node-3
- D. Full OSPF adjacency between Node-1 and Node-4
- E. OSPF is enabled on Node 1

Correct Answer: BE

QUESTION 10

Which command should be used to enable automatic synchronization for all software images and configuration on the Alcatel 7x50?

- A. Admin redundancy synchronization boot-env
- B. Admin redundancy synchronization config
- C. Configure redundancy synchronize boot-env
- D. Configure redundancy synchronize config
- E. It is enabled by default

Correct Answer: C

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