4A0-110^{Q&As}

Alcatel-Lucent Advanced Troubleshooting

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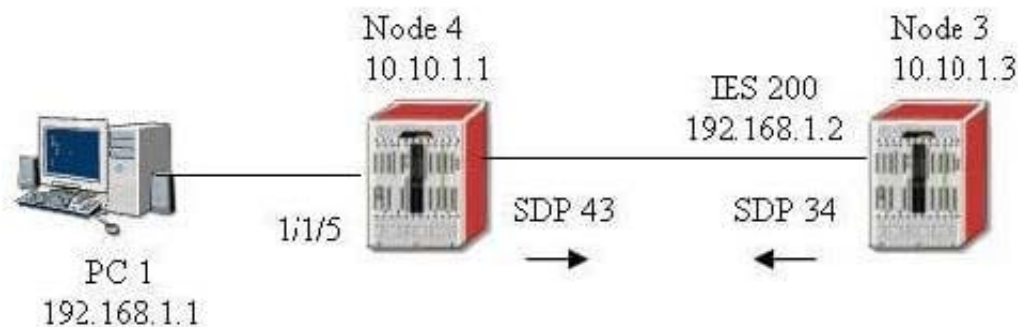
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QUESTION 1

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

QUESTION 2

A spoke-sdp terminated IES configured on Node 3 is down due on SDP serviceMTUMismatch error. The same error is found on the corresponding SDP on Node 4. The VPLS is using the default service MTU. Which MTU value should be modified to bring the SDP up on both Nodes?
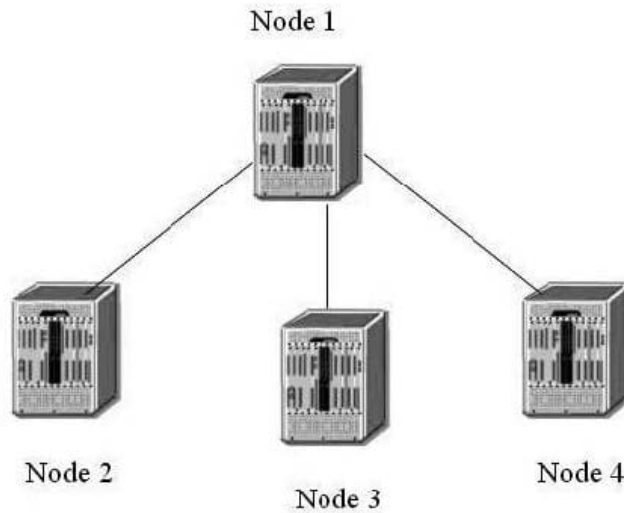

A. IP MTU of the IES Interface on Node3

B. Port MTU on Node 3 and Node 4

C. SDP Path MTU on Node 3 and Node 4

D. Service MTU on Node 4

E. Path MTU on Node 3 and Node 4

Correct Answer: A

QUESTION 3

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

Node 1

Node 2   Node 4

Node 3

```
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 "Sb77iS4bFCeH2Arm5iaFuHAxNbn1Ag82" hash2
```

```
Node-3

    config>router>ospf#
        area 0.0.0.3
            interface "to-Node-1"
                hello-interval 15
```
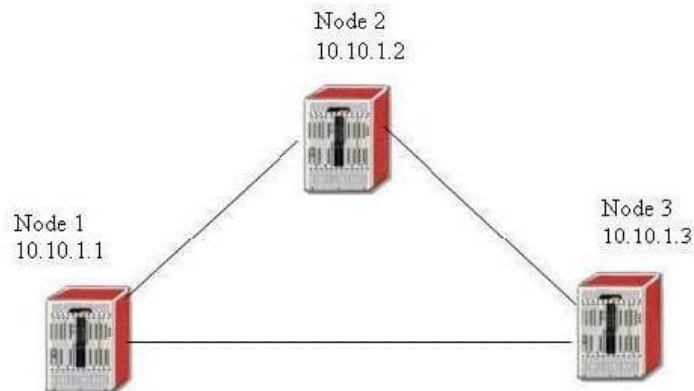
```
Node-4

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

A. No OPSF 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 4

Based on the configuration below, which statement best describes the reason why VPLS 101 is not up on all three nodes.


```
Node-1

config>service>
            vpls 101
            stp
                 shutdown
            exit
            sap 1/1/5 create
            exit
            spoke-sdp 30:30 create
            exit
            no shutdown
            sdp 30
            far-end 10.10.1.2
            ldp
            keep-alive
                 shutdown
            exit
            no shutdown
```

```
Node-2

config>service>
            vpls 101
            stp
```

```
                    shutdown
        exit
        spoke-sdp 40:40 create
        exit
        spoke-sdp 50:50 create
        exit
        no shutdown
        sdp 40
        far-end 10.10.1.1
        ldp
        keep-alive
                shutdown
        exit
        no shutdown
        sdp 50
        far-end 10.10.1.3
        ldp
        keep-alive
                shutdown
        exit
        no shutdown
```

Node-3
```
config>service>
        vpls 101
        stp
                shutdown
        exit
        sap 1/1/5 create
        exit
        spoke-sdp 60:60 create
        exit
        no shutdown
        sdp 60
        far-end 10.10.1.2
        ldp
        keep-alive
                shutdown
        exit
        no shutdown
```

A. Service VC id has to match on all three nodes

B. SDP id has to match on all three nodes

C. STP has to be enabled on all three nodes

D. No SAP is configured on Node-2

E. Mesh-sdp has to be used on all three nodes

Correct Answer: A

QUESTION 5

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 6

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

QUESTION 7

Which command is used to view alarms of all severity levels on the Alcatel 7x50?

A. Show log log-id 99

B. Show alarm

C. Show log filter-id 1

D. Show log log-id 100

E. Show log 99

Correct Answer: A

QUESTION 8

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      Mesg Sent  Mesg 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 9

Which of the following debug statements can be used to troubleshoot if the OSPF adjacency is staying at xstart state? Select two answers.

A. Debug router ospf rtm

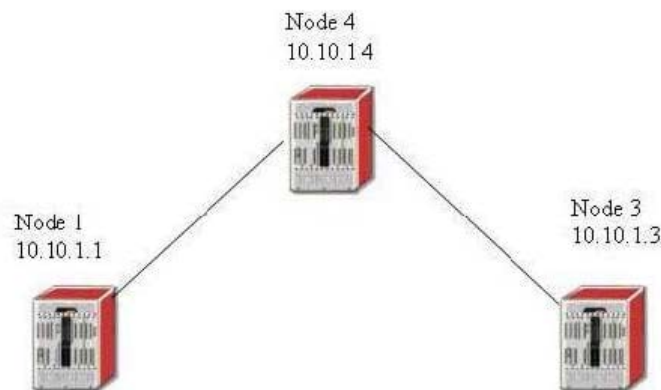B. Debug router ospf packet dbdescr

C. Debug router ospf neighbor

D. Debug router ospf packet hello

E. Debug router ospf spf

Correct Answer: BC

QUESTION 10

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
    b - 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                                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

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