4A0-110 Q&As

Alcatel-Lucent Advanced Troubleshooting

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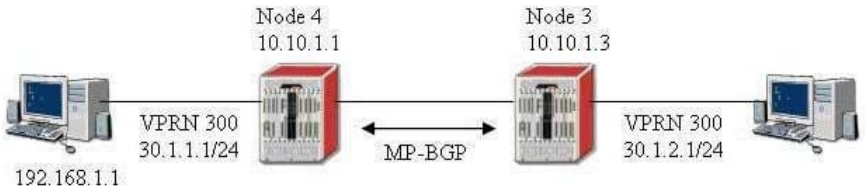
QUESTION 1

VPRN 300 is configured on Node 4. BGP is being used as the PE-CE routing protocol. Node 2 is the CE router. The BGP session is not established between Node 4 and Node 2. What is missing in the configuration?



Node 2

```
# config>router>bgp
            group "vrf"
                local-as 400
                neighbor 30.1.2.1
                    peer-as 100

# show router bgp neighbor 30.1.2.1

===============================================================================
BGP Neighbor
===============================================================================
-------------------------------------------------------------------------------
Peer  : 30.1.2.1
Group : vrf
-------------------------------------------------------------------------------
Peer AS               : 100               Peer Port            : 0
Peer Address          : 30.1.2.1
Local AS              : 400               Local Port           : 0
Local Address         : 0.0.0.0
Peer Type             : External
State                 : Active            Last State           : Connect
Last Event            : openFail
Last Error            : Cease
Local Family          : IPv4
```

```
Remote Family          : Unused
Hold Time              : 90                  Keep Alive           : 30
Active Hold Time       : 0                   Active Keep Alive    : 0
Cluster Id             : None
Preference             : 170                 Num of Flaps         : 0
Recd. Paths            : 0
```

Node 4

```
# config>service>vprn 300
            route-distinguisher 200:200
            auto-bind ldp
            vrf-target target:100:100
            interface "toCPE4" create
                address 30.1.2.1/24
                sap 1/1/3 create
                exit
            exit
            static-route 40.1.1.1/32 next-hop 30.1.2.2
            bgp
                group "vrf"
                    type external
                    local-as 100
                    neighbor 30.1.2.2
                        peer-as 400
                    exit
                exit
            exit
            no shutdown
# show router 300 bgp neighbor 30.1.2.2

===============================================================================
BGP Neighbor
===============================================================================
-------------------------------------------------------------------------------
Peer : 30.1.2.2          Group : vrf
-------------------------------------------------------------------------------
Peer AS          : 400                 Peer Port        : 0
Peer Address     : 30.1.2.2
Local AS         : 100                 Local Port       : 0
```

A. Type external has to be configured on Node 2 under group vrf

B. Autonomous-system has to be configured on Node 4 under vprn 300

C. Router-id has to be configured on Node 4 under vprn 300

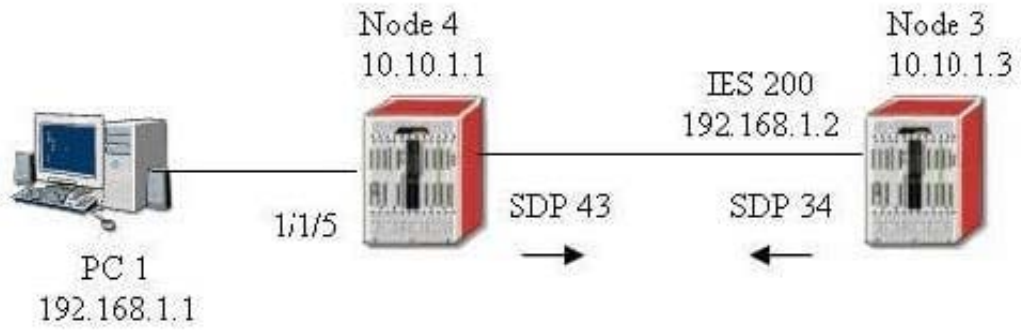
D. Router-id has to be added under BGP on Node 2

E. EBGP will not work under VPRN

Correct Answer: B

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 CLI Output, why is the path toPod3-loose down?

A. Path toPod3-loose is down because it is secondary path with no standby configured

B. Path toPod3-loose is down because there is no explicit hop specified

C. Path toPod3-loose is down because CSPF is not enabled

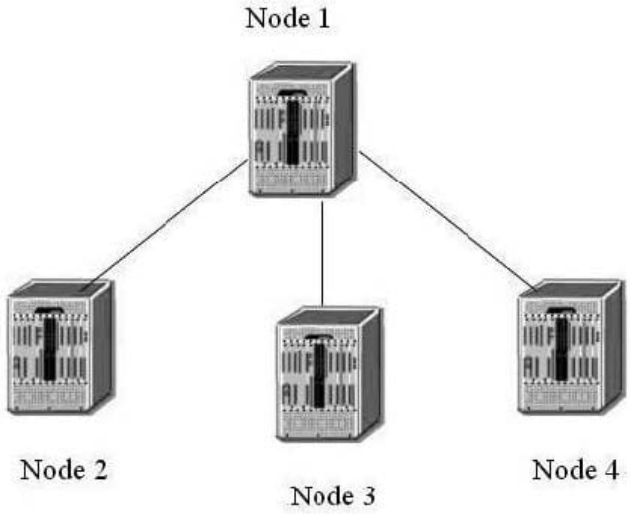
D. Path toPod3-loose is down because the destination address 0.10.1.3 is not reachable

E. Path toPod3-loose is not down because the failure code is oError

Correct Answer: A

QUESTION 4

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 " Sb77iS4bFCeH2Arm5iaFuHAxNbn1Ag82" hash2
```

Node-3

```
config>router>ospf#
   area 0.0.0.0
      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 5

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