4A0-110^{Q&As}

Alcatel-Lucent Advanced Troubleshooting

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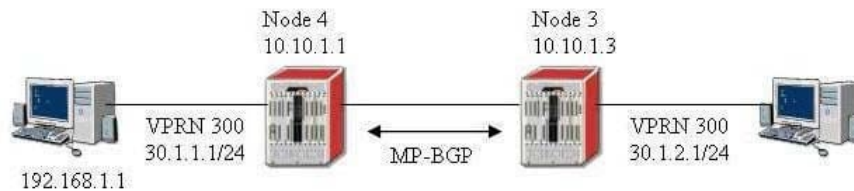
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QUESTION 1

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 4                  Node 3
                    10.10.1.1               10.10.1.3

              VPRN 300                              VPRN 300
              30.1.1.1/24        MP-BGP             30.1.2.1/24
    192.168.1.1
```

```
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
```

```
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
Local Address    : 0.0.0.0
```
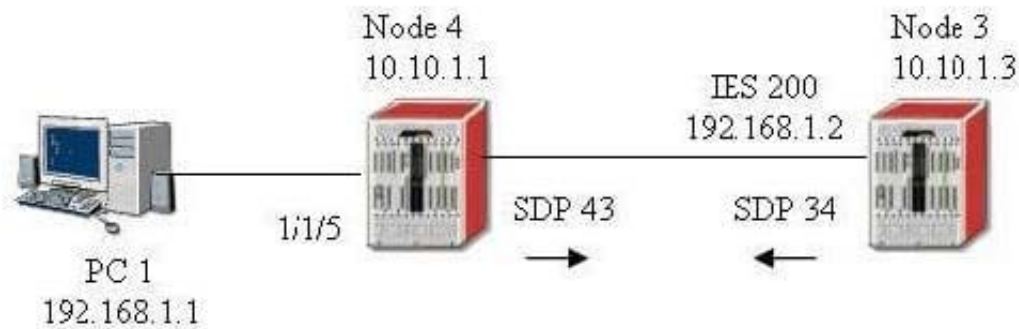
A. Type external has to be configured on Node 2 under group vrf

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

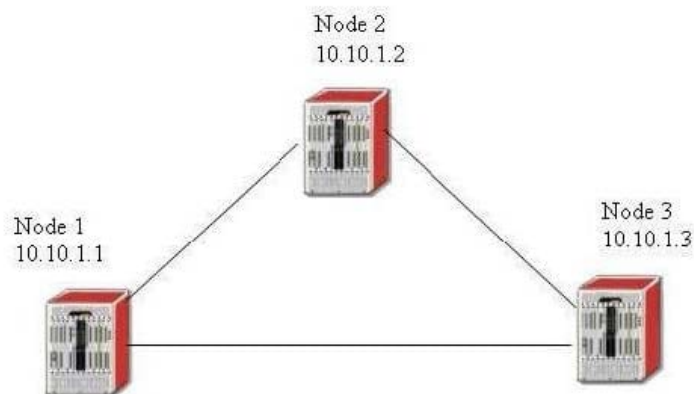E. Path MTU on Node 3 and Node 4

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

Node 2
10.10.1.2

Node 1
10.10.1.1

Node 3
10.10.1.3

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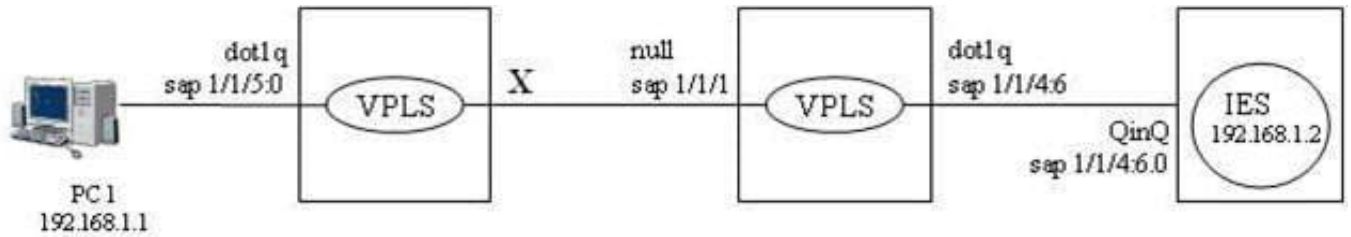
A. Service VC id has to match on all three nodes

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

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