4A0-110Q&As

Alcatel-Lucent Advanced Troubleshooting

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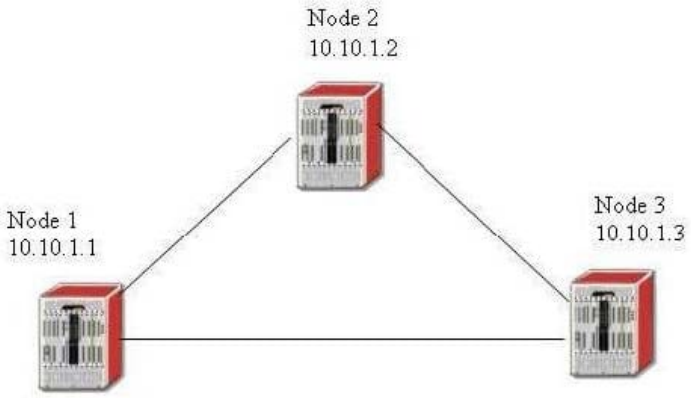
QUESTION 1

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 2

Node 1 receives some VPRN routes from Node 2, but Node 2 is not receiveing 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
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

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

L1 ISIS adjacency is up between two routers (Node-1 and Node-2) with MD5 authentication configured. During a maintenance window, an operator was planning to change one of the ISIS hello authentication key from admin to admin123. After removing the hello authentication key from Node-1 (no change on Node-2 side), the ISIS adjacency stayed up. The operator decided to fall back to the original configuration and called Alcatel for support. Which of the following statement best describe the cause of the problem? Select one answer only.

```
config>router>isis# info
----------------------------------------------
        area-id 49.0034
        authentication-key "aiNjJt.qIqWjt49Wre6rPk" hash2
        authentication-type message-digest
        lsp-lifetime 65535
        traffic-engineering
        interface "to-Node2"
            level-capability level-1
            hello-authentication-key "aiNjJt.qIqWjt49Wre6rPk" hash2
            hello-authentication-type message-digest
            interface-type point-to-point
```

Node-2

```
config>router>isis# info
----------------------------------------------
        area-id 49.0034
        authentication-key "aiNjJt.qIqWjt49Wre6rPk" hash2
        authentication-type message-digest
        lsp-lifetime 65535
        traffic-engineering
        interface "to-Node1"
            level-capability level-1
            hello-authentication-key "aiNjJt.qIqWjt49Wre6rPk" hash2
            hello-authentication-type message-digest
            interface-type point-to-point
```

A. The ISIS hello authentication key was not configured properly in the first place, that\\'s why removing the authentication key does not impact the adjacency

B. The ISIS authentication key is the same as the hello authentication key, therefore removing hello authentication key does not impact the adjacency

C. The system interface is missing from the ISIS configuration, therefore ISIS is not working properly even before the change

D. ISIS hello authentication key is only used for hello packet exchange. It does not affect ISIS adjacency

E. ISIS hello authentication key is not used to bring up ISIS adjacency when traffic-engineering is enabled on the routers

Correct Answer: B

QUESTION 5

VPRN 300 is configured on Node 3 and Node 4 with LDP and MP-BGP. No route can be found in the VPRN 300 routing table on both Nodes. What is the cause of the problem?

Node 3

```
config>service>vprn 300
            autonomous-system 100
            spoke-sdp 34
            vrf-target export target:100:101 import target:100:100
            interface "toCPE4" create
                address 30.1.2.1/24
                sap 1/1/3 create
                exit
            exit
            no shutdown
```

Node 4

```
config>service>vprn 300
            spoke-sdp 43
            vrf-target export target:100:100 import target:100:101
            interface "toCPE3" create
                address 30.1.1.1/24
                sap 1/1/7:3.4 create
                exit
            exit
            static-route 5.5.5.5/32 next-hop 30.1.1.2
            no shutdown
```

A. No static route configured on Node 4

B. No LDP defined in the VPRN configuration on both nodes

C. VRF-target does not match on Node 3 and Node 4

D. Route-distinguisher configuration is missing on Node 3 and Node 4

E. Encapsulation type on the SAP does not match on Node 3 and Node 4

Correct Answer: D

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