4A0-110^{Q&As}

Alcatel-Lucent Advanced Troubleshooting

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QUESTION 1

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 2

An operator has entered the following CLI commands to configured redistribution of OSPF routes into ISIS. None of the active OSPF routes are redistributed into ISIS, what is the problem in the CLI commands?

```
config>router>policy-options> begin
        policy-statement ospf-isis
            entry 10
                action accept
                from
                        protocol ospf
                exit all
config>router>isis>
        area-id 69.1000
        export "ospf-isis"
        interface "toNode2"
```

A. OSPF area has to be configured as NSSA

B. Default-action has to be configured as accept

C. Import policy has to be configured under OSPF

D. The policy is still in edit mode, therefore it will not take any effect

E. to protocol isis has to be added under entry 10

Correct Answer: D

QUESTION 3

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?
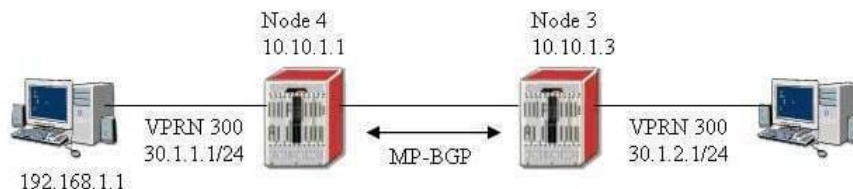

```
Node 2
# config>router>bgp
        group "vrf"
            local-as 400
            neighbor 30.1.2.1
                peer-as 100

# 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
```

```
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 4

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

Node 1

Node 2   Node 3   Node 4
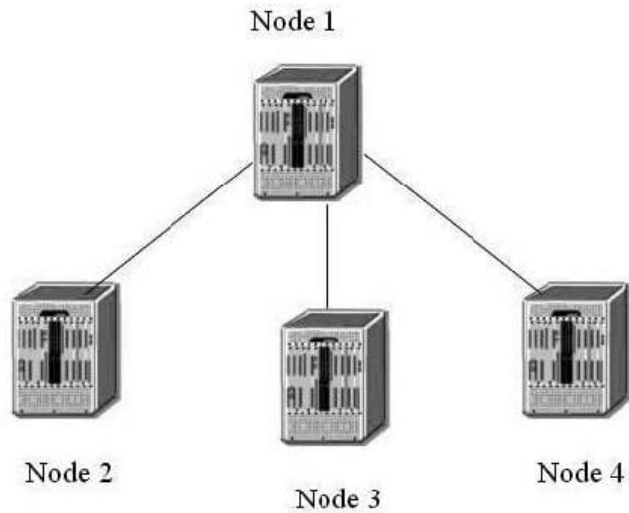
```
Node-1

    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 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

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