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Exam : 4A0-110

**Title : Alcatel-Lucent Advanced
Troubleshooting**

Version : DEMO

1. Two routers are physically connected to each other over Ethernet port 1/1/1. Review the configuration information shown below. What state should the OSPF neighbor be in?

Node 1

```
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

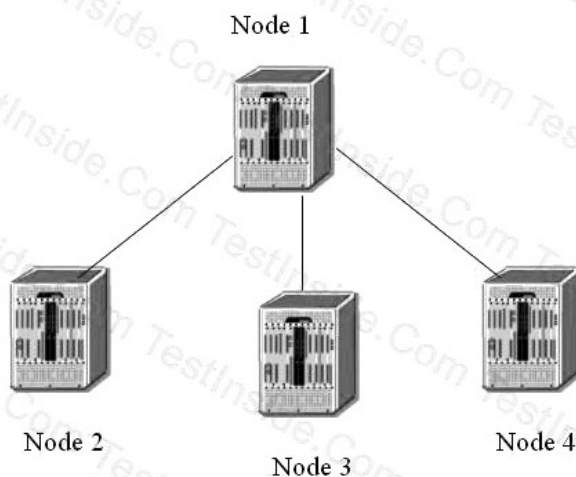
Answer: E

2. 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

Answer: BC

3. 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 "Sb77iS4bPCeH2&rm5iaFuHAXNbn1Ag82" 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

Answer: BE

4. 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?

Node 1

```
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

Answer: D

5. Two routers are physically connected running ISIS. ISIS L2 adjacency is up and running but L1 adjacency is not up. Review the configuration information shown below:

Which of the following statement best describe the cause of the problem? Select one answer only.

Pod-1

```

config>router>
  isis
  interface "toPod2"
  exit

# show router isis interface detail
=====
ISIS Interfaces
=====
-----
Interface      : toPod2                      Level Capability: L1L2
Oper State     : Up                        Admin State      : Up
Auth Type      : None
Circuit Id     : 2                        Retransmit Int.  : 5
Type           : Broadcast                LSP Pacing Int. : 100
Mesh Group     : Inactive                 CSNP Int.        : 10
Bfd Enabled    : No

Level          : 1                        Adjacencies      : 0
Desg. IS       : Pod1
Auth Type      : None                    Metric           : 10
Hello Timer    : 9                      Hello Mult.      : 3
Priority       : 64                      Passive          : No

Level          : 2                        Adjacencies      : 1
Desg. IS       : Pod1
Auth Type      : None                    Metric           : 10
Hello Timer    : 9                      Hello Mult.      : 3
Priority       : 64                      Passive          : No

```

Pod-2

```

config>router>
  isis
  interface "toPod1"
  exit

# show router isis interface detail
=====
ISIS Interfaces
=====
-----
Interface      : toPod1                      Level Capability: L1L2
Oper State     : Up                        Admin State      : Up
Auth Type      : None
Circuit Id     : 3                        Retransmit Int.  : 5
Type           : Broadcast                LSP Pacing Int. : 100
Mesh Group     : Inactive                 CSNP Int.        : 10
Bfd Enabled    : No

Level          : 1                        Adjacencies      : 0
Desg. IS       : Pod2
Auth Type      : None                    Metric           : 10
Hello Timer    : 9                      Hello Mult.      : 3
Priority       : 64                      Passive          : No

Level          : 2                        Adjacencies      : 1
Desg. IS       : Pod1
Auth Type      : None                    Metric           : 10
Hello Timer    : 9                      Hello Mult.      : 3
Priority       : 64                      Passive          : No

```

- A. The ISIS interface level is not configured on both routers
- B. The ISIS interface type should be configured as point-to-point interfaces
- C. ISIS System IDs are not configured on both routers
- D. ISIS Area addresses are not configured on both routers
- E. ISIS level capacity are not configured on both routers

Answer: D