JN0-647^{Q&As}

Enterprise Routing and Switching Exam

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QUESTION 1

Click the Exhibit button.

```
user@R1> show ospf database extensive
OSPF link state database, area 0.0.0.100
Type     ID              Adv Rtr         Seq         Age   Opt   Cksum    Len
Router   10.100.1.1      10.100.1.1      0x8000531   166   0x22  0xfc35   36
Bits 0x2, link count 1
Id 10.100.0.2, data 10.100.0.1, Type Transit (2)
TOS count 0, TOS 0 metric 10
Aging timer 00:57:13
Installed 00:02:42 ago, expires in 00:57:14, sent 00:02:40 ago
Router 192.168.129.200  192.168.129.200  0x8000015a  548   0x2   0x517e  84
Bits 0x2, link count 5
Id 192.168.128.0, data 255.255.255.0, Type Stub (3)
TOS count 0, TOS 0 metric 1
Id 10.100.0.2, data 10.100.0.2, Type transit (2)
TOS count 0, TOS 0 metric 1
Id 10.100.2.1, data 10.100.2.1, Type transit (2)
TOS count 0, TOS 0 metric 1
Id 10.100.3.1, data 10.100.3.1, Type transit (2)
TOS count 0, TOS 0 metric 1
Id 192.168.129.0, data 255.255.255.0, Type Stub (3)
TOS count 0, TOS 0 metric 1
Aging timer 00:50:51
Installed 00:09:05 ago, expires in 00:50:52, sent 00:09:03 ago
Router *192.168.135.138  192.168.135.138  0x800001c3  2687  0x2   0x2b08  60
Bits 0x0, link count 3
Id 10.100.3.1, data 10.100.3.2, Type transit (2)
TOS count 0, TOS 0 metric 1
Id 10.100.2.1, data 10.100.2.2, Type transit (2)
TOS count 0, TOS 0 metric 1
Id 192.168.135.138, data 255.255.255.0, Type Stub (3)
TOS count 0, TOS 0 metric 0
Gen timer 00:05:12
Aging timer 00:15:12
Installed 00:44:47 ago, expires in 00:15:13, sent 00:44:45 ago
Ours
```

Referring to the exhibit, which statement is true?

A. R1 is an ASBR.

B. R1 has the B bit set.

C. R1 is a backbone router.

D. R1 is an ABR.

Correct Answer: A

QUESTION 2

You created a firewall rule to protect the Routing Engine. After applying the rule, your OSPF adjacencies dropped.

How would you solve this problem?

A. Create a firewall term that allows IP protocol 89.

B. Define a router ID under the [edit routing-options] hierarchy.

C. Configure the loopback interface under the [edit protocols ospf] hierarchy.

D. Apply the firewall filter to the physical ports.

Correct Answer: A

QUESTION 3

Click the Exhibit button.

```
[edit]
user@router1# show protocols bgp
group to-router2 {
    type internal;
    local-as 65512;
    neighbor 192.163.1.2 {
        peer-as 65512;
    }
}

[edit]
user@router1# show routing -options
```

```
[edit]
user@router1# run show bgp summary
Groups: 1 Peers: 1 Down peers: 1
Table       Tot Paths    Act Paths    Suppressed    History    Damp State
      Pending
inet. 0          0            0            0           0            0
Peer             AS          inPkt        Out.Pkt      OutQ      Flaps Last
Up/Dwn State | #Active/ Received/ Accepted/ Damped…
192.168.1.2             65512        0           6         0              0
        7: 58 Active
```

```
[edit]
user@router1# run show log messages
```
Jun 13 16:29:42 router1 flowd_octeon_ hm: pconn_client_connect: Failed to connect to the server after 0 retries

Jun 13 16:29:44 router1 rpd [3348]: bgp_recv: peer 192.168.1.2 (Internal AS 65512) : received unexpected EOF

Jun 13 16:29:47 router1 flowd_octeon_ hm: pconn_client_connect: Failed to connect to the server after 0 retries

Jun 13 16:29:57 router1 last message repeated 2 times

Jun 13 16:30:00 router1 cron [3383] : (root) CMD (newsyslog)

Jun 13 16:30:00 router1 cron [3384] : (root) CMD (/user/libexec/atrun)

Jun 13 16:30:02 router1 flowd_octeon_ hm: pconn_client_connect: Failed to connect to the server after 0 retries

Jun 13 16:30:07 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to the server after 0 retries

Jun 13 16:30:12 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to the server after 0 retries

Jun 13 16:30:16 router1 rpd [3348]: bgp_recv: peer 192.168.1.2 (Internal AS 65512) : received unexpected EOF

Jun 13 16:30:17 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to the server after 0 retries

Jun 13 16:30: 32 router1 last message repeated 3 times

Jun 13 16:30:37 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to the server after 0 retries

Jun 13 16:30:40 router1 rpd [3348]: bgp_listen_accept: Connection attempt from unconfigured neighbor: 172.17.20.2+62931

Jun 13 16:30:42 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to connect to the server after 0 retries

Jun 13 16:30:52 router1 last message repeated 2 times

Jun 13 16:30:57 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to connect to the server after 0 retries

Jun 13 16:31:02 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to connect to the server after 0 retries

Jun 13 16:31:12 router1 last message repeated 2 times

```
[edit]
user@router2# show protocols bgp
group to-router1 {
    type internal;
    family inet {
     unicast;
    }
     neighbor 192.168.1.1;
}




[edit]
user@router2# show routing –options
autonomous-system 65512;

[edit]
user@router2# run show bgp summary
Groups: 1 Peers: 1 Down peers: 1
Table       Tot Paths      Act Paths     Suppressed      History      Damp State
    Pending
inet. 0           0            0             0            0             0


Peer                       AS      inPkt    OutPkt       OutQ         Flaps Last
Up/Dwn State | #Active/ Received/ Accepted/ Damped…
192.168.1.1            65512         0        12           0            0
         20: 11 Active
```

You are configuring a new BGP session between router1 and router2. The session does not establish.

Referring to the exhibit, what must be done to establish this session?

A. You must define the peer-as number on router2.

B. You must define the autonomous- system number under the [edit routing-options] hierarchy on router1.

C. You must specify type as external on both devices.

D. You must specify the local-address on both devices.

Correct Answer: D

QUESTION 4

Click the Exhibit button.

```
user@R1> show ospf neighbor
Address         Interface     State      ID           Pri     Dead
10.222.0.21     ge-0/0/12.0   Full       10.222.1.4   128       34
10.222.0.13     ge-0/0/1.0    ExStart    10.222.1.3   128       31

user@R1> show ospf interface ge-0/0/1.0 detail
Interface       State    Area         DR ID          BDR ID
        Nbrs
ge-0/0/1.0      BDR      0.0.0.1      10.222.1.3     10.222.1.5
        1
Type: LAN, Address: 10.222.0.13, Mask: 255.255.255.252, MTU: 1500, Cost: 1

user@R2> show ospf interface ge-0/0/6.0 detail
Interface       State    Area         DR ID          BDR ID
        Nbrs
ge-0/0/1.0      BDR      0.0.0.1      10.222.1.5     10.222.1.3
        1
Type: LAN, Address: 10.222.0.13, Mask: 255.255.255.252, MTU: 1500, Cost: 1
```

You are troubleshooting an OSPF adjacency issue between R1 and R2. What is the reason for the ExStart state shown in the exhibit?

A. R2 was elected as the designated router.

B. R1 was elected as the backup designated router.

C. R1 and R2 are using the same IP address.

D. The MTU is not the default on R1 and R2.

Correct Answer: C

QUESTION 5

Click the Exhibit button.

```
[edit policy-options]
user@router# show
as-path regex "65100 . (65200|65300) +21870";
```

Which AS path matches the AS path regular expression shown in the exhibit?

A. 65100 65200 21870 21870

B. 65100 65101 65200 21870 21870

C. 65100 21870 65200 65300

D. 65100 65101 65200 65300 21870

Correct Answer: B

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