



Free Questions for 4A0-114 by go4braindumps

Shared by Dean on 12-12-2023

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Question 1

Question Type: MultipleChoice

Which of the following regarding BGP Path Identifier is FALSE?

Options:

- A- Path-ID is a four-octet identifier pre-pended to the NLRI field of a BGP update.
- B- Path-ID is an optional transitive attribute used to advertise multiple paths.
- C- Path-ID uniquely identifies each path advertised to a neighbor.
- D- A BGP speaker that re-advertises a route must generate its own Path-ID.

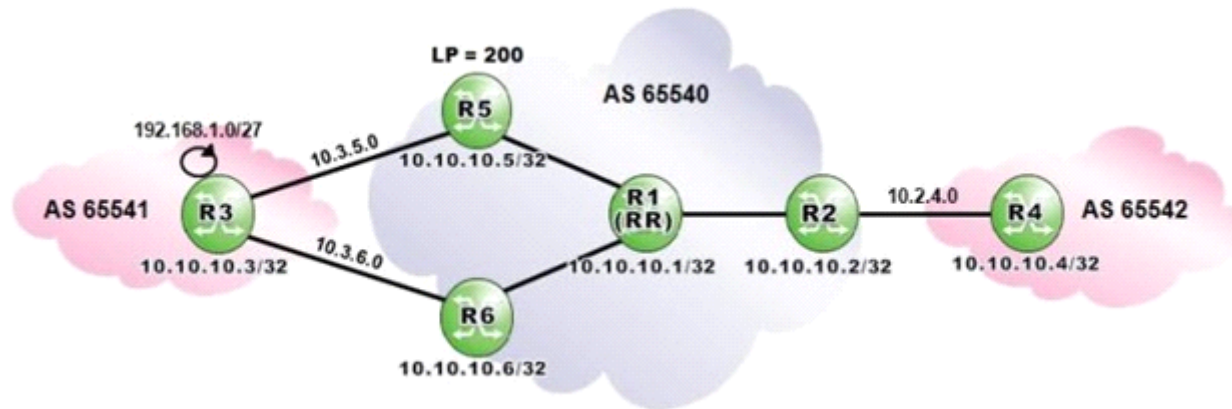
Answer:

B

Question 2

Question Type: MultipleChoice

Click the exhibit.



Router R1 is a route reflector with clients R2, R5 and R6. Prefixes advertised by router R5 have a local preference of 200. Router R3 advertises the prefix 192.168.1.0/27 to routers R5 and R6.

Assuming that none of the routers in AS 65540 is configured with "advertise-external", what is the expected output of "show router bgp routes" on router R5?

| Flag | Network | LocalPref | MED |
|------|-------------------------------------|-------------|-----------|
| | Nextthop As-Path | Path-Id | VPNLabel |
| u*>i | 192.168.1.0/27 10.3.5.3 65541 | 200 None | None - |

| Flag | Network | LocalPref | MED |
|------|---------------------------------------|--------------|-----------|
| | Nextthop As-Path | Path-Id | VPNLabel |
| u*>i | 192.168.1.0/27 10.3.5.3 65541 | None None | None - |
| i | 192.168.1.0/27 10.10.10.5 65541 | 200 None | None - |
| i | 192.168.1.0/27 10.10.10.6 65541 | 100 None | None - |

| Flag | Network | LocalPref | MED |
|------|---------------------------------------|--------------|-----------|
| | Nextthop As-Path | Path-Id | VPNLabel |
| u*>i | 192.168.1.0/27 10.3.5.3 65541 | None None | None - |
| i | 192.168.1.0/27 10.10.10.5 65541 | 200 None | None - |

| Flag | Network | LocalPref | MED |
|------|---------------------------------------|-------------|-----------|
| | Nextthop As-Path | Path-Id | VPNLabel |
| u*>i | 192.168.1.0/27 10.10.10.5 65541 | 200 None | None - |
| i | 192.168.1.0/27 | 100 | None |

Options:

A- Option A

B- Option B

C- Option C

D- Option D

Answer:

C

Question 3

Question Type: MultipleChoice

Click the exhibit.



Which of the following is a valid confederation configuration for Router R2?

- A. R2>config>router# info

autonomous-system 65540
confederation 65540 members 65541 65542
- B. R2>config>router# info

autonomous-system 65542
confederation 65540 members 65541
- C. R2>config>router# info

autonomous-system 65542
confederation 65540 members 65541 65542
- D. R2>config>router# info

autonomous-system 65540
confederation 65542 members 65541

Options:

A- Option A

B- Option B

C- Option C

D- Option D

Answer:

C

Question 4

Question Type: MultipleChoice

Which of the following regarding route reflectors is TRUE?

Options:

A- Only the route reflector is configured with a cluster id.

B- There can only be one route reflector in a cluster.

C- Clients should have iBGP sessions with each other to maintain the mesh.

D- There can only be one level of route reflectors in the topology.

Answer:

A

Question 5

Question Type: MultipleChoice

The configuration of an Nokia 7750 SR is given below. Router R1 has established BGP sessions with routers R2 and R3. Which of the following is TRUE?

```
R1>config>router>bgp# info
```

```
-----  
  group "BGP-Peers"  
    peer-as 65540  
    neighbor 10.10.10.2  
      description "R2"  
    exit  
    neighbor 10.10.10.3  
      description "R3"  
      peer-as 65550  
    exit  
  exit
```

Options:

- A- Router R1 forms an iBGP session with router R2, and an eBGP session with router R3.
- B- Router R1 forms iBGP sessions with routers R2 and R3.
- C- Router R1 forms eBGP sessions with routers R2 and R3.
- D- The types of BGP sessions with routers R2 and R3 cannot be determined.

Answer:

D

Question 6

Question Type: MultipleChoice

A router in AS 65100 receives three routes for 138.120.0.0/16. The first route has an AS Path of 65200 65400 65300 and a local preference of 150. The second route has an AS Path of 65200 65300 and a local preference of 100. The third route has an AS Path of 65600 65300 and a local preference of 100. Which route will appear in the RIB-out?

Options:

- A- Only the first route will appear in the RIB-Out.
- B- Only the second route will appear in the RIB-Out.
- C- Only the third route will appear in the RIB-Out.
- D- All routes will appear in the RIB-Out.

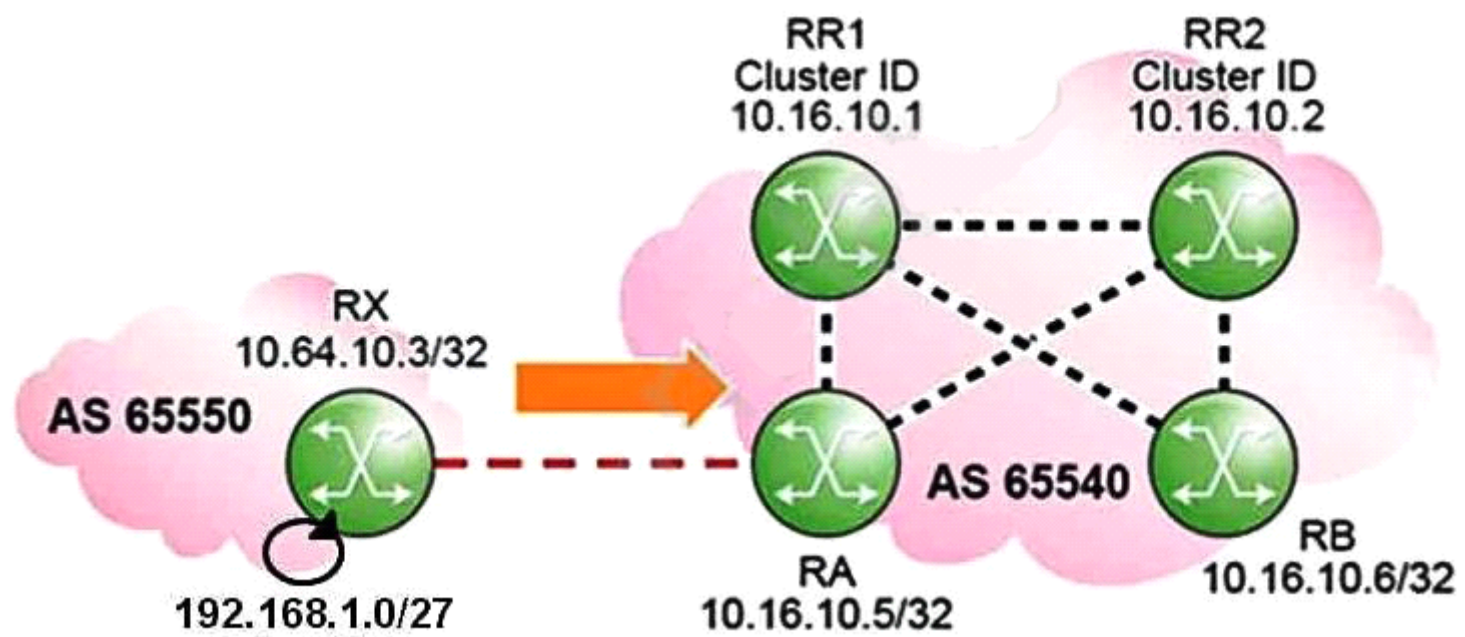
Answer:

A

Question 7

Question Type: MultipleChoice

Given the network shown, which of the following is the correct BGP configuration for RR1?



A.

(ex)[configure router "Base" bgp]

A:admin@RR1# info

```
  group "iBGP-clients" {
    peer-as 65540
    cluster {
      cluster-id 10.16.10.1
    }
    ...
  neighbor "10.16.10.5" {
    group "iBGP-clients"
  }
  neighbor "10.16.10.6" {
    group "iBGP-clients"
  }
}
```

B.

```
(ex)[configure router "Base" bgp]
A:admin@RR1# info
  group "iBGP-clients" {
    peer-as 65550
    cluster {
      cluster-id 10.16.10.1
    }
    ...
  neighbor "10.16.10.5" {
    group "iBGP-clients"
  }
  neighbor "10.16.10.6" {
    group "iBGP-clients"
  }
}
```

C.

```
(ex)[configure router "Base" bgp]
A:admin@RR1# info
    group "iBGP-clients" {
        peer-as 65540
        ...
    neighbor "10.16.10.5" {
        group "iBGP-clients"
    cluster {
        cluster-id 10.16.10.2
    }
    }
    neighbor "10.16.10.6" {
        group "iBGP-clients"
    cluster {
        cluster-id 10.16.10.2
    }
    }
```

D.

```
(ex)[configure router "Base" bgp]
A:admin@RR1# info
    group "iBGP-clients" {
        peer-as 65550
        ...
    neighbor "10.16.10.5" {
        group "iBGP-clients"
    }
cluster {
    cluster-id 10.16.10.1
}
neighbor "10.16.10.6" {
    group "iBGP-clients"
}
cluster {
    cluster-id 10.16.10.1
}
}
```

Options:

A- Option A

B- Option B

C- Option C

D- Option D

Answer:

D

Question 8

Question Type: MultipleChoice

Which of the following attributes can be used to prevent route advertisement loops in a network using router reflectors?

Options:

A- MED

B- ORIGIN

C- CLUSTER_LIST

D- AS_PATH

Answer:

C

Question 9

Question Type: MultipleChoice

Which of the following route reflection rules is NOT followed by a route reflector?

Options:

- A-** If the best route is received from an eBGP peer, propagate to all iBGP peers.
- B-** If the best route is received from an eBGP peer, propagate to all eBGP peers.
- C-** If the best route is received from a client, propagate to all iBGP peers.
- D-** If the best route is received from a client, do not propagate to eBGP peers.

Answer:

D

Question 10

Question Type: MultipleChoice

Which of the following statements about route reflector clusters is FALSE?

Options:

- A-** Multiple clusters may be configured within an AS.
- B-** Within an AS, route reflectors belonging to different clusters do not need to be fully-meshed among themselves.
- C-** A router can be the client of multiple route reflectors within its AS.
- D-** When a route reflector reflects a route, it adds its cluster ID to the Cluster_list attribute.

Answer:

D

Question 11

Question Type: MultipleChoice

Which of the following statements about router reflectors is FALSE?

Options:

- A-** A full iBGP mesh is required among route reflectors.
- B-** A route reflector can have both iBGP and eBGP clients.
- C-** A router reflector disables the iBGP split-horizon rule for its clients.
- D-** Route reflectors are used to reduce the number of iBGP sessions required in an AS.

Answer:

A

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