



# JN0-643<sup>Q&As</sup>

Enterprise Routing and Switching, Professional (JNCIP-ENT)

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**QUESTION 1**

```
-- Exhibit -user@router> show configuration routing-options autonomous-system 65550;
```

```
user@router> show configuration protocols bgp
```

```
group ibgp {
```

```
type internal;
```

```
neighbor 10.0.3.5;
```

```
}
```

```
group ibgpv6 {
```

```
type internal;
```

```
local-address 2001:ffff::3:4;
```

```
neighbor 2001:ffff::3:5;
```

```
}
```

```
group as65010 {
```

```
family inet {
```

```
unicast;
```

```
}
```

```
family inet6 {
```

```
unicast;
```

```
}
```

```
export as65010-out;
```

```
peer-as 65010;
```

```
neighbor 172.16.0.6;
```

```
}
```

```
user@router> show configuration policy-options
```

```
policy-statement as65010-out {
```

```
term locally-originated {
```

```
from as-path local-only;
```

```
then {
```



```
metric 7000;
```

```
}
```

```
}
```

```
term from-as65222 {
```

```
from as-path as65222-orig;
```

```
then as-path-prepend "65550 65550 65550 65550";
```

```
}
```

```
term transit-as701 {
```

```
from as-path transit-as701;
```

```
then {
```

```
metric 6;
```

```
}
```

```
}
```

```
then accept;
```

```
}
```

```
as-path local-only "(.*)";
```

```
as-path as65222-orig ".* 65222";
```

```
as-path transit-as701 ".* 701 .*";
```

```
user@router> show route advertising-protocol bgp 172.16.0.6
```

```
inet.0: 43 destinations, 47 routes (43 active, 0 holddown, 0 hidden) Prefix Nexthop MED Lclpref AS path
```

```
*
```

```
10.0.2.0/30 Self 7000 I
```

```
*
```

```
10.0.2.4/30 Self 7000 I
```

```
*
```

```
10.0.2.8/30 Self 7000 I
```

```
*
```

```
10.0.2.16/30 Self 7000 I
```

```
*
```



10.0.3.3/32 Self 7000 I

\*

10.0.3.4/32 Self 7000 I

\*

10.0.3.5/32 Self 7000 I

\*

10.0.4.8/30 Self 7000 I

\*

10.0.8.8/30 Self 7000 I

\*

10.0.9.9/32 Self 7000 I

\*

10.255.255.1/32 Self 7000 I

\*

64.142.88.0/24 Self 7000 I

\*

130.130.0.0/16 Self 6 65222 46375 701 14203 I

\*

131.131.131.0/24 Self 6 65222 46375 701 14203 I

\*

132.132.0.0/25 Self 6 65222 46375 701 32934 I

\*

133.133.0.0/25 Self 6 65222 46375 701 32934 I

\*

134.134.0.0/25 Self 65222 46375 14203 I

\*

135.135.0.0/25 Self 65222 46375 14203 14203 I

\*

172.16.0.4/30 Self 7000 I



\*  
172.16.0.12/30 Self 7000 I  
\*  
172.16.200.0/30 172.16.0.6 7000 I  
\*  
192.0.2.0/24 172.16.0.6 7000 I  
\*  
192.168.50.0/24 Self 7000 I  
\*  
192.168.253.0/24 Self 7000 I  
\*  
200.200.0.0/16 172.16.0.6 7000 I  
\*  
200.200.0.1/32 172.16.0.6 7000 I  
\*  
200.200.1.1/32 172.16.0.6 7000 I  
\*  
200.200.200.200/32 172.16.0.6 7000 I inet6.0: 23 destinations, 28 routes (23 active, 0 holddown, 0 hidden) Prefix  
Nexthop MED Lclpref AS path  
\*  
::172.16.0.4/126 Self 7000 I  
\*  
2001:1:1::/64 Self 7000 I  
\*  
2001:1:2::/64 Self 7000 I  
\*  
2001:ffff::3:3/128 Self 7000 I  
\*  
2001:ffff::3:4/128 Self 7000 I



\*

2001:ffff::3:5/128 Self 7000 I

\*

2001:ffff::9:7/128 Self 7000 I

user@router> -- Exhibit -

Click the Exhibit button.

You are configuring an EBGp peer in a transit environment. You must advertise routes learned from other EBGp peers in your AS. Any routes originated from within your AS should have a MED of 7000 set. Any routes that originate in AS65222 should be prepended four times. Any routes that transit AS701 should have a MED set to 6. This scenario results in the unintended advertisement of internal 10.0.0.0/8 networks to your peer.

What caused the accidental advertisement of internal networks to your EBGp peer?

- A. Your AS number of 65550 is a private AS number.
- B. The BGP group as65010 is configured for both family inet unicast and family inet6 unicast protocol families.
- C. The export policy as65010-out is misconfigured.
- D. The as-path local-only includes a misconfigured regular expression.

Correct Answer: C

---

## QUESTION 2

-- Exhibit -user@router# run show route receive-protocol bgp 192.168.4.101 detail

inet.0: 18 destinations, 20 routes (18 active, 0 holddown, 0 hidden)

\*

10.16.1.0/24 (1 entry, 1 announced) Accepted Nexthop: 192.168.4.101 LocalpreF. 100 AS path: 123 111 I

\*

10.16.2.0/24 (1 entry, 1 announced) Accepted Nexthop: 192.168.4.101 LocalpreF. 100 AS path: 123 222 312 I

\*

10.16.3.0/24 (1 entry, 1 announced) Accepted Nexthop: 192.168.4.101 LocalpreF. 100 AS path: 123 231 222 I

\*

10.16.4.0/24 (1 entry, 1 announced) Accepted Nexthop: 192.168.4.101 LocalpreF. 100 AS path: 123 333 111 I --  
Exhibit -

Click the Exhibit button.

Referring to the exhibit, which AS path regular expression will match only the 10.16.1.0/24 and 10.16.2.0/24 routes?



A. .\* (222|111) .\*

B. .+ (222|111) .\*

C. .(222|111) .\*

D. . (.222|.111) .\*

Correct Answer: C

---

### QUESTION 3

When servicing queues on an EX series switch, which two statements are true? (Choose two)

A. By default, the class-of-service bits on a packet do not change on egress, regardless of which queue services the packet.

B. By default, the four primary queues of best effort, assured forwarding expedited forwarding and network control have resources assigned to them.

C. By default, only the best effort and network-control queues have resources assigned to them.

D. WHEN TRAFFIC is assigned to user defined queues the best effort queue resources are automatically divided evenly among all user\\'s configured queues to ensure all traffic get serviced.

Correct Answer: AC

---

### QUESTION 4

You are receiving the same prefix from multiple EGBP peers in different autonomous systems. Which two configurations enable your system to load balance across all received instances?

A. multilpath multiple-as

B. policy-statement LB{ Then{ Load-balance per-flow; } }

C. policy-statement LB{ Then{ Load-balance per-packet; } }

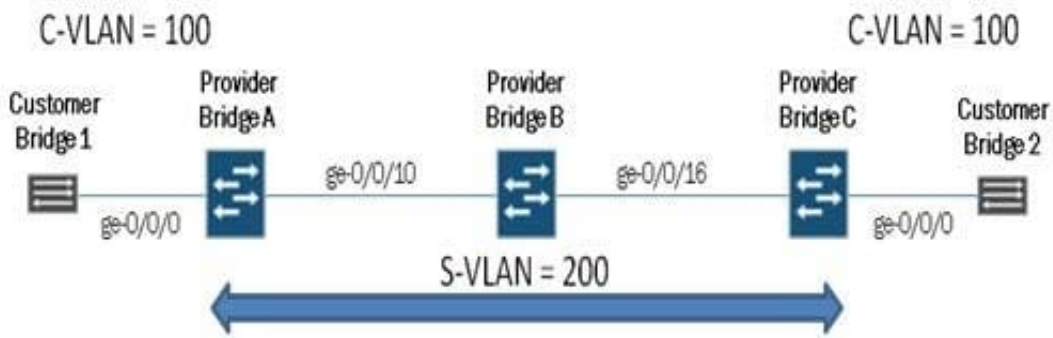
D. Multihop

Correct Answer: AC

---

### QUESTION 5

-- Exhibit



-- Exhibit -Click the Exhibit button.

Given the topology in the exhibit, which two statements related to the Q-in-Q tunneling implementation are true? (Choose two.)

- A. The ge-0/0/0 interface on Provider Bridge A must be configured as an access port.
- B. The ge-0/0/0 interface on Provider Bridge A must be configured as a trunk port.
- C. Provider Bridge B will make forwarding decisions using a MAC table associated with VLAN ID 100.
- D. Provider Bridge B will make forwarding decisions using a MAC table associated with VLAN ID 200.

Correct Answer: AD

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