



JN0-643^{Q&As}

Enterprise Routing and Switching, Professional (JNCIP-ENT)

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QUESTION 1

Which statement is true about default BGP route redistribution behavior?

- A. IBGP-learned routes are advertised only to other IBGP peers.
- B. EBGP-learned routes are redistributed into any IGP.
- C. EBGP-learned routes are advertised only to other EBGP peers.
- D. EBGP-learned routes are advertised to other IBGP and EBGP peers.

Correct Answer: B

QUESTION 2

Which of following multicast group is used for all PIMrouters?

- A. 224.0.0.1
- B. 224.0.0.2
- C. 224.0.0.13
- D. 224.0.0.22

Correct Answer:

QUESTION 3

-- Exhibit -

```
20.0.0.0/8 *[BGP/170] 01:10:38, localpref 100, from 10.0.0.1 AS path: 100 I > to 15.0.0.2 via ge-0/0/0.0 [BGP/170]
00:00:59, localpref 100 AS path: 100 ? > to 35.0.0.2 via ge-0/0/1.0 -- Exhibit -
```

Click the Exhibit button.

Referring to the output in the exhibit, why does the router prefer the path toward interface ge- 0/0/0.0 for the 20.0.0.0/8 route?

- A. The origin is IGP.
- B. The origin is unknown.
- C. The AS path is longer.
- D. Multihop is enabled.

Correct Answer: A



QUESTION 4

-- Exhibit -

```
Mar 16 18:39:15.800390 BGP RECV 172.14.10.2+57785 -> 172.14.10.1+179 Mar 16 18:39:15.800932 BGP RECV
message type 1 (Open) length 59 Mar 16 18:39:15.800995 BGP RECV version 4 as 2 holdtime 90 id 192.168.5.1
parmlen 30 Mar 16 18:39:15.801064 BGP RECV MP capability AFI=2, SAFI=1 Mar 16 18:39:15.801112 BGP RECV
Refresh capability, code=128 Mar 16 18:39:15.801172 BGP RECV Refresh capability, code=2 Mar 16 18:39:15.801224
BGP RECV Restart capability, code=64, time=120, flags= Mar 16 18:39:15.801289 BGP RECV 4 Byte AS-Path
capability (65), as_num 2 Mar 16 18:39:15.801705 advertising receiving-speaker only capability to neighbor 172.14.10.2
(External AS 2) Mar 16 18:39:15.801787 bgp_send. sending 59 bytes to 172.14.10.2 (External AS 2) Mar 16
18:39:15.801845 Mar 16 18:39:15.801845 BGP SEND 172.14.10.1+179 -> 172.14.10.2+57785 Mar 16
18:39:15.801933 BGP SEND message type 1 (Open) length 59 Mar 16 18:39:15.801991 BGP SEND version 4 as 1
holdtime 90 id 192.168.2.1 parmlen 30 Mar 16 18:39:15.802054 BGP SEND MP capability AFI=1, SAFI=1 Mar 16
18:39:15.802115 BGP SEND Refresh capability, code=128 Mar 16 18:39:15.802176 BGP SEND Refresh capability,
code=2 Mar 16 18:39:15.802227 BGP SEND Restart capability, code=64, time=120, flags= Mar 16 18:39:15.802292
BGP SEND 4 Byte AS-Path capability (65), as_num 1 Mar 16 18:39:15.802615 bgp_process_caps: mismatch NLRI with
172.14.10.2 (External AS 2): peer: (16) us: (1) Mar 16 18:39:15.802763 bgp_process_caps:2561: NOTIFICATION sent
to 172.14.10.2 (External AS 2): code 2 (Open Message Error) subcode 7 (unsupported capability) value 1 Mar 16
18:39:15.802913 bgp_send. sending 23 bytes to 172.14.10.2 (External AS 2) Mar 16 18:39:15.802969 Mar 16
18:39:15.802969 BGP SEND 172.14.10.1+179 > 172.14.10.2+57785 Mar 16 18:39:15.803057 BGP SEND message
type 3 (Notification) length 23 Mar 16 18:39:15.803113 BGP SEND Notification code 2 (Open Message Error) subcode
7 (unsupported capability) Mar 16 18:39:15.803179 BGP SEND Data (2 bytes): 00 01 -- Exhibit -- Click the Exhibit
button.
```

Looking at the traceoptions output in the exhibit, why is the BGP neighbor not in Established state?

- A. BGP refresh is not supported.
- B. There is a router ID mismatch.
- C. IPv6 is not supported on the local peer.
- D. The peer AS number is misconfigured.

Correct Answer: C

QUESTION 5

-- Exhibit -

```
user@router> show class-of-service scheduler-map two Scheduler map: two, Index: 56974
```

```
Scheduler: sch-best-effort, Forwarding class: best-effort, Index: 26057 Transmit rate. 1 percent, Rate Limit:
```

```
exact, Buffer size. remainder, Buffer Limit: exact, Priority: low Excess Priority: unspecified
```

```
Drop profiles:
```

```
Loss priority Protocol Index Name
```

```
Low any 1
```



Medium low any 1

Medium high any 1

High any 1

Scheduler: sch-expedited-forwarding, Forwarding class:

expedited-forwarding, Index: 10026

Transmit rate. 1 percent, Rate Limit: none, Buffer size. 1 percent, Buffer Limit: none, Priority: high Excess Priority: unspecified

Drop profiles:

Loss priority Protocol Index Name

Low any 1

Medium low any 1

Medium high any 1

High any 1

```
user@router> show interfaces ge-0/0/1 extensive | find "CoS Information"
CoS information: Direction : Output CoS
transmit queue Bandwidth Buffer Priority Limit % bps % usec 0 best-effort 1 10000000 r 0 low exact 1 expedited-
forwarding 1 10000000 1 0 high none
```

```
Logical interface ge-0/0/1.823 (Index 74) (SNMP ifIndex 506) (Generation 139) Flags: SNMP-Traps 0x4000 VLAN-Tag [
0x8100.823 ] Encapsulation: ENET2 Traffic statistics: Input bytes : 1820224529 Output bytes : 6505980 Input packets:
1436371 Output packets: 75905
```

(... output truncated ...)

```
user@router> show interfaces ge-0/0/1 extensive | find "Queue Counters"
Queue counters: Queued packets
Transmitted packets Dropped packets 0 best-effort 1343970 1343970 7105 1 expedited-fo 53987 53987 2 assured-forw
0 0 3 network-cont 0 0 Queue number: Mapped forwarding classes 0 best-effort 1 expedited-forwarding 2 assured-
forwarding 3 network-control Active alarms : None Active defects : None (... output truncated ...) -- Exhibit -
```

Click the Exhibit button.

Based on the configuration in the exhibit, why are you seeing drops in the best-effort queue on the SRX Series platform?

- A. The drop-profile fill level is set too low.
- B. Packets are dropped by a firewall policy.
- C. The best-effort queue is being shaped.
- D. The scheduler is not being applied correctly.

Correct Answer: C



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