

# JN0-694<sup>Q&As</sup>

Enterprise Routing and Switching Support, Professional (JNCSP-ENT)

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## QUESTION 1

```
-- Exhibit -user@router# run show log bgp-test ... Jun 10 23:50:43.056697 BGP SEND 192.168.133.1+179 ->
192.168.133.0+64925 Jun 10 23:50:43.056739 BGP SEND message type 3 (Notification) length 23 Jun 10
23:50:43.056760 BGP SEND Notification code 2 (Open Message Error) subcode 7 (unsupported capability) Jun 10
23:50:43.056781 BGP SEND Data (2 bytes): 00 04 Jun 10 23:50:52.215104 advertising receiving-speaker only
capability to neighbor ::192.168.133.0 (External AS 300) Jun 10 23:50:52.215173 bgp_send. sending 59 bytes to
::192.168.133.0 (External AS 300) Jun 10 23:50:52.215200 Jun 10 23:50:52.215200 BGP SEND ::192.168.133.1+179
-> ::192.168.133.0+57107 Jun 10 23:50:52.215233 BGP SEND message type 1 (Open) length 59 Jun 10
23:50:52.215256 BGP SEND version 4 as 23456 holdtime 90 id 10.200.1.1 parmlen 30 Jun 10 23:50:52.215276 BGP
SEND MP capability AFI=2, SAFI=1 Jun 10 23:50:52.215294 BGP SEND Refresh capability, code=128 Jun 10
23:50:52.215312 BGP SEND Refresh capability, code=2 Jun 10 23:50:52.215332 BGP SEND Restart capability,
code=64, time=120, flags= Jun 10 23:50:52.215353 BGP SEND 4 Byte AS-Path capability (65), as_num 2123456789
Jun 10 23:50:52.216018 Jun 10 23:50:52.216018 BGP RECV ::192.168.133.0+57107 -> ::192.168.133.1+179 Jun 10
23:50:52.216058 BGP RECV message type 3 (Notification) length 21 Jun 10 23:50:52.216079 BGP RECV Notification
code 2 (Open Message Error) subcode 2 (bad peer AS number) Jun 10 23:51:15.058112 advertising receiving-speaker
only capability to neighbor 192.168.133.0 (External AS 300) Jun 10 23:51:15.058192 bgp_send. sending 59 bytes to
192.168.133.0 (External AS 300) Jun 10 23:51:15.058217 Jun 10 23:51:15.058217 BGP SEND 192.168.133.1+50083
-> 192.168.133.0+179 Jun 10 23:51:15.058250 BGP SEND message type 1 (Open) length 59 Jun 10 23:51:15.058273
BGP SEND version 4 as 65001 holdtime 90 id 10.200.1.1 parmlen 30 Jun 10 23:51:15.058294 BGP SEND MP
capability AFI=1, SAFI=128 Jun 10 23:51:15.058312 BGP SEND Refresh capability, code=128 Jun 10 23:51:15.058331
BGP SEND Refresh capability, code=2 Jun 10 23:51:15.058386 BGP SEND Restart capability, code=64, time=120,
flags= Jun 10 23:51:15.058416 BGP SEND 4 Byte AS-Path capability (65), as_num 65001 Jun 10 23:51:15.058651
bgp_pp_recv:3140: NOTIFICATION sent to 192.168.133.0 (External AS 300): code 6 (Cease) subcode 7 (Connection
collision resolution), Reason: dropping
```

```
192.168.133.0 (External AS 300), connection collision prefers 192.168.133.0+53170 (proto) Jun 10 23:51:15.058680
bgp_send. sending 21 bytes to 192.168.133.0 (External AS 300) Jun 10 23:51:15.058702 Jun 10 23:51:15.058702 BGP
SEND 192.168.133.1+50083 -> 192.168.133.0+179 Jun 10 23:51:15.058735 BGP SEND message type 3 (Notification)
length 21 Jun 10 23:51:15.058755 BGP SEND Notification code 6 (Cease) subcode 7 (Connection collision resolution)
Jun 10 23:51:15.059557 advertising receiving-speaker only capability to neighbor 192.168.133.0 (External AS 300) Jun
10 23:51:15.059594 bgp_send. sending 59 bytes to 192.168.133.0 (External AS 300) Jun 10 23:51:15.059617 Jun 10
23:51:15.059617 BGP SEND 192.168.133.1+179 -> 192.168.133.0+53170 Jun 10 23:51:15.059649 BGP SEND
message type 1 (Open) length 59 Jun 10 23:51:15.059671 BGP SEND version 4 as 65001 holdtime 90 id 10.200.1.1
parmlen 30 Jun 10 23:51:15.059691 BGP SEND MP capability AFI=1, SAFI=128 Jun 10 23:51:15.059709 BGP SEND
Refresh capability, code=128 Jun 10 23:51:15.059727 BGP SEND Refresh capability, code=2 Jun 10 23:51:15.059747
BGP SEND Restart capability, code=64, time=120, flags= Jun 10 23:51:15.059768 BGP SEND 4 Byte AS-Path
capability (65), as_num 65001 Jun 10 23:51:15.060383 bgp_process_caps: mismatch NLRI with 192.168.133.0
(External AS 300): peer: (1) us: (4) Jun 10 23:51:15.060445 bgp_process_caps:2578: NOTIFICATION sent to
192.168.133.0 (External AS 300): code 2 (Open Message Error) subcode 7 (unsupported capability) value 4 Jun 10
23:51:15.060470 bgp_send. sending 23 bytes to 192.168.133.0 (External AS 300) Jun 10 23:51:15.060492 Jun 10
23:51:15.060492 BGP SEND 192.168.133.1+179 -> 192.168.133.0+53170 Jun 10 23:51:15.060556 BGP SEND
message type 3 (Notification) length 23 Jun 10 23:51:15.060578 BGP SEND Notification code 2 (Open Message Error)
subcode 7 (unsupported capability) Jun 10 23:51:15.060600 BGP SEND Data (2 bytes): 00 04 -- Exhibit -
```

Click the Exhibit button.

Referring to the exhibit, what is causing the IPv4 BGP peering to stay in an active state?

- A. The peer AS is incorrect.
- B. The peer does not support 4-byte AS values.
- C. The peer has an NLRI mismatch.

D. The peer has an incorrect IP address.

Correct Answer: C

---

### QUESTION 2

You observe that a router is using an unusually high amount of CPU cycles. You determine that continuous SPF calculations in OSPF are being performed.

What are two reasons for this problem? (Choose two.)

- A. The wrong authentication keys between the OSPF neighbors are used.
- B. The interface MTU is mismatched between the OSPF neighbors.
- C. There are duplicate router IDs within the OSPF area.
- D. An OSPF adjacency is flapping.

Correct Answer: CD

---

### QUESTION 3

There is a lot of traffic marked with IP precedence values af2l and af3l that ingresses the router. The af3l traffic should be using the expedited forwarding queue, but the traffic is much lower than expected and there are no drops seen on the egress interface.

```
user@router# show class-of-service
interfaces {
  ge-+ {
    scheduler-map map-test;
  }
}
scheduler-maps {
  map-test {
    forwarding-class best-effort scheduler be;
    forwarding-class expedited-forwarding scheduler ef;
    forwarding-class assured-forwarding scheduler af;
    forwarding-class network-control scheduler nc;
  }
}
schedulers {
  be {
    transmit-rate percent 70;
    priority high;
  }
  ef {
    transmit-rate percent 15;
    priority low;
  }
  af {
    transmit-rate percent 10;
    priority strict-high;
  }
  nc {
    transmit-rate percent 5;
    priority high;
  }
}

user@router# show firewall
policer ef {
  if-exceeding {
    bandwidth-limit 8k;
    burst-size-limit 15k;
  }
  then forwarding-class best-effort;
}
policer as {
  if-exceeding {
    bandwidth-limit 5m;
    burst-size-limit 15k;
  }
  then forwarding-class best-effort;
}
policer nc {
  if-exceeding {
    bandwidth-limit 5m;
    burst-size-limit 15k;
  }
}
<<cont next column>>
```

```
        then forwarding-class best-effort;
    }
filter MF {
    term 1 {
        from {
            precedence 3;
        }
        then {
            policer ef;
            forwarding-class expedited-forwarding;
        }
    }
    term 2 {
        from {
            precedence 2;
        }
        then {
            policer as;
            forwarding-class assured-forwarding;
        }
    }
    term 3 {
        from {
            precedence 6;
        }
        then {
            policer nc;
            forwarding-class network-control;
        }
    }
    term 4 {
        then {
            forwarding-class best-effort;
            accept;
        }
    }
}
}
```

```
user@router> show class-of-service
...
Code point type: inet-precedence
Alias      Bit pattern
af11      001
af21      010
af31      011
af41      100
be        000
cs6       110
cs7       111
ef        101
nc1       110
nc2       111
```

Referring to the exhibit, what is causing the problem?

- A. The assured forwarding queue has a strict high priority and is starving the expedited forwarding queue.
- B. The expedited forwarding queue has a low priority value; therefore the traffic is not serviced.
- C. The MF classifier is forwarding most of the af31 traffic to the best-effort queue.
- D. The MF classifier is does not match on af31 and therefore the traffic is being dropped.

Correct Answer: C

#### QUESTION 4

-- Exhibit -user@router> show route protocol bgp detail

```
inet.0: 20 destinations, 20 routes (19 active, 0 holddown, 1 hidden) 10.222.1.3/32 (1 entry, 1 announced) *BGP
Preference: 170/-101 Next hop type: Indirect Address: 0x15ec944 Next-hop reference count: 3 Source: 1.1.1.1 Next hop
type: Router, Next hop index: 536 Next hop: 1.1.1.1 via ge-0/0/1.0, selected Protocol next hop: 1.1.1.1 Indirect next hop:
14081d0 262142 State: Local AS: 65222 Peer AS: 65221 Age: 2:12 MetriC. 1 Metric2: 0 Task:
BGP_65221.1.1.1+56417 Announcement bits (2): 0-KRT 4-Resolve tree 1 AS path: 65221 I Communities: no-
advertise Accepted Localpref: 100 Router ID: 10.222.1.1 -- Exhibit -
```

Click the Exhibit button.

You are troubleshooting a problem where an EBGP route is not being advertised to your local IBGP peers. You have received a 10.222.1.3/32 route from an EBGP peer as shown in the exhibit, but the route is not being advertised.

What is causing the problem?

- A. The route shows as a hidden route and cannot be advertised.
- B. The next hop for the route is indirect and prevents the route from being advertised.
- C. The community prevents the route from being advertised.
- D. The local preference value is too high for the route to be advertised.

Correct Answer: C

---

#### QUESTION 5

Referring to the exhibit, an administrator notices that the VLAN interface is not coming up. What would cause this problem? Click the Exhibit to see a larger version.

```
user@switch> show route protocol local 223.45.67.8
...
223.45.67.8/32  *[Local/0] 00:02:14
                Reject
```

```
user@switch> show configuration vlans ws
vlan-id 100;
interface {
    ge-0/0/17.0;
    ge-0/0/18.0;
}
l3-interface vlan.50;
```

```
user@switch> show ethernet-switching interfaces
Interface      State      VLAN members  Tag  Tagging  Blocking
ge-0/0/7.0     up         default       Tag  untagged unblocked
ge-0/0/12.0    up         default       Tag  untagged unblocked
ge-0/0/17.0    down      ws            100  untagged unblocked
ge-0/0/18.0    down      ws            100  untagged unblocked
```

```
user@switch> show configuration interfaces vlan.50
family inet {
    address 223.45.67.8/9;
}
```

- A. All member interfaces are down.
- B. The unit number for the VLAN is misconfigured.
- C. The subnet mask is incorrect.
- D. All member interfaces are in access mode

Correct Answer: A