



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

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

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## QUESTION 1

-- Exhibit

```
[edit]
user@R1# show protocols bgp
group ebgp {
  peer-as 65502;
  multipath;
  neighbor 172.22.0.1;
  neighbor 172.22.0.5;
}

user@R1> show route 100.100.0/16 terse

inet.0: 12 destinations, 17 routes (12 active, 0 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both

A Destination      P Prf  Metric 1    Metric 2    Next hop      AS path
* 100.100.0.0/24    B 170      100          172.22.0.1    65502 I
                    >172.22.0.5
* 100.100.1.0/24    B 170      100          >172.22.0.1    65502 I
                    172.22.0.1
* 100.100.2.0/24    B 170      100          >172.22.0.1    65502 I
                    >172.22.0.5
* 100.100.3.0/24    B 170      100          >172.22.0.1    65502 I
                    172.22.0.5
* 100.100.4.0/24    B 170      100          >172.22.0.1    65502 I
                    172.22.0.1
                    >172.22.0.5
                    65502 I

user@R1> show route forwarding-table | find 100.100.0.0/24
100.100.0.0/24    user      0 172.22.0.5    ucst  535    8 ge-0/0/10.0
100.100.1.0/24    user      0 172.22.0.5    ucst  535    8 ge-0/0/10.0
100.100.2.0/24    user      0 172.22.0.1    ucst  513    5 ge-0/0/1.0
100.100.3.0/24    user      0 172.22.0.5    ucst  535    8 ge-0/0/10.0
100.100.4.0/24    user      0 172.22.0.5    ucst  535    8 ge-0/0/10.0
...
```

The diagram illustrates a network topology where R1 is connected to R2 and R3 through ISP-A. R1 has interfaces .2 and .6. R2 has interface .1. R3 has interface .5. The ISP-A cloud contains R2 and R3. The network 100.100.0/16 is shown within the ISP-A cloud.

-- Exhibit -Click the Exhibit button. Your network has two connections to your ISP. You have been asked to load-balance traffic across both

links that connect to your ISP. You have enabled multipath for this peer, but you are still not getting the expected load balancing.

Given the information shown in the exhibit, what else must you do?

- A. Configure and apply a load-balancing policy.
- B. Change the multipath parameter to multihop.
- C. Create a policy to manually change the next hops.
- D. Enable the keep all parameter.

Correct Answer: A

**QUESTION 2**

You are configuring an IBGP peer between R1 and R2. The BGP neighbor cannot be established. Referring to the exhibit, which configuration change will resolve this problem?

```
user@R1> show configuration
...
interfaces {
    fe-0/0/2 {
        unit 0 {
            family inet {
                address 70.1.1.1/24;
            }
        }
    }
    lo0 {
        unit 0 {
            family inet {
                address 1.1.1.1/32;
            }
        }
    }
}
routing-options {
    autonomous-system 100;
}
protocols {
    bgp {
        group internal {
            type internal;
            neighbor 2.2.2.2;
        }
    }
    ospf {
        area 0.0.0.0 {
            interface all;
        }
    }
}
...
```

```
user@R2> show configuration
...
interfaces {
    ge-0/0/1 {
        unit 0 {
            family inet {
                address 70.1.1.2/24;
            }
        }
    }
    lo0 {
        unit 0 {
            family inet {
                address 2.2.2.2/32;
            }
        }
    }
}
routing-options {
    autonomous-system 100;
}
protocols {
    bgp {
        group internal {
            type internal;
            neighbor 1.1.1.1;
        }
    }
    ospf {
        area 0.0.0.0 {
            interface all;
        }
    }
}
...
```

- A. Configure local-address on R1 and R2.
- B. Configure local-as on R1 and R2.
- C. Configure family inet-unicast on R1 and R2.
- D. Configure router-id on R1 and R2.

Correct Answer: C

**QUESTION 3**



```
-- Exhibit -user@router# show class-of-service
```

```
classifiers {
```

```
inet-precedence ipp-test {
```

```
import default;
```

```
forwarding-class best-effort {
```

```
loss-priority low code-points be;
```

```
}
```

```
forwarding-class expedited-forwarding {
```

```
loss-priority low code-points af21;
```

```
}
```

```
forwarding-class assured-forwarding {
```

```
loss-priority low code-points af11;
```

```
} forwarding-class network-control { loss-priority low code-points nc1; } }
```

```
user@router# show firewall filter MF { term 1 { from { precedence 0; } then forwarding-class best-effort; } term 2 { from { precedence 5; } then forwarding-class expedited-forwarding; } term 3 { from { precedence 2; } then forwarding-class assured-forwarding; } term 4 { from { precedence 6; } then forwarding-class network-control; } term 5 { then 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 -- Exhibit -
```

Click the Exhibit button.

Traffic with the IPP value af21 should be assigned to the expedited forwarding queue; however, this traffic is not being assigned to that queue.

Referring to the exhibit, what is causing this behavior?

- A. The af21 traffic is assigned to the assured forwarding queue because of the BA classifier.
- B. The af21 traffic is assigned to the assured forwarding queue because of the MF classifier.
- C. The af21 traffic is assigned to the best effort queue because of the MF classifier.
- D. The af21 traffic is assigned to the best effort queue because of the BA classifier.

Correct Answer: B

---

#### 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

-- Exhibit -protocols {

bgp {

group isps {

type external;

peer-as 13090194;

multipath multiple-as;

neighbor ;

neighbor ;

}

}

}

-- Exhibit -

Click the Exhibit button.

The exhibit shows the complete BGP configuration for a router. The network operator reports that both peering sessions are up, but the router is not conducting per-flow load balancing over the connections to these two peers.



What are two causes for this behavior? (Choose two.)

- A. The forwarding-table export policy is not configured to cause per-flow load balancing.
- B. The multiple-as parameter causes BGP to only choose multiple paths to different ASs, rather than multiple paths to the same AS.
- C. The router has different IGP metrics to these BGP peers.
- D. The BGP peers are not sending identical advertisements over the two sessions.

Correct Answer: AD

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