

Juniper JNO-647 Exam

Volume: 65 Questions

Question: 1

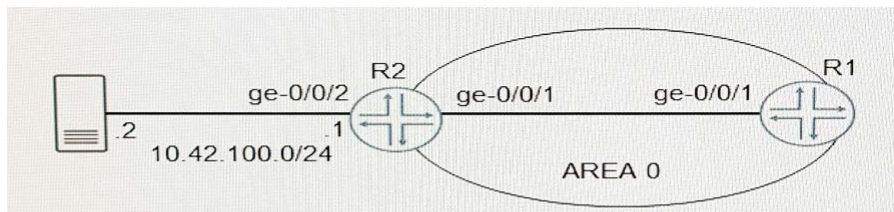
Which protocol is a multicast routing protocol?

- A. OSPF
- B. BGP
- C. PIM
- D. IS-IS

Answer: C

Question: 2

Click the Exhibit.



```
user@R1> show route 10.42.100.0
inet.0 : 61 destinations, 64 routes (61 active, 0 holddown, 0
hidden)
+ = Active Route, - = Last Active, * = Both

10.42.100.0/24  *[OSPF3/150] 00:00:11, metric 1, tag 0
                > to 10.42.18.1 via ge-0/0/1.0
```

Referring to the exhibit, how is R1 learning the route from R2?

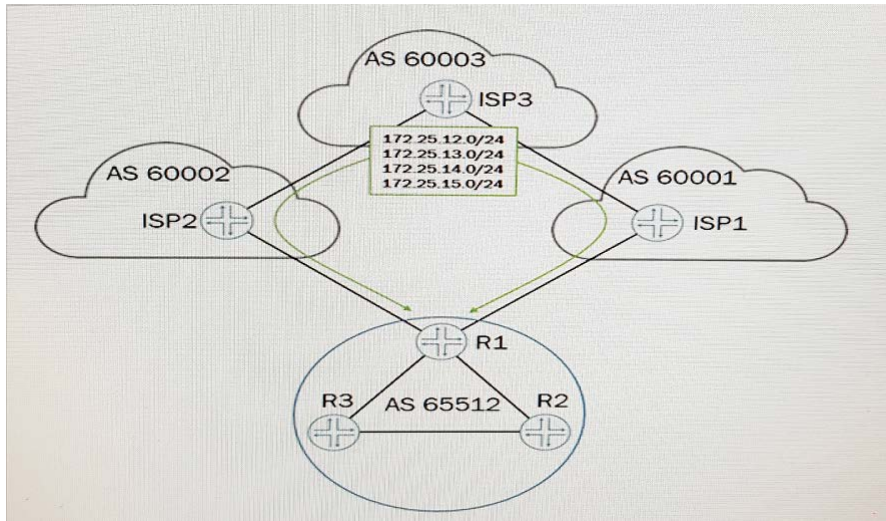
- A. R2 has interface ge-0/0/2 configured in another area under OSPFv3.
- B. R2 has an exportpolicy with external type 1 configured.
- C. R2 has interface ge-0/0/2 configured as a passive interface under OSPFv3.
- D. R2 has an export policy with external type 2 configured.

Answer: B

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Question: 3

Click the Exhibit.



Referring to the exhibit, you have EBGP peerings with both ISP1 and ISP2. You are receiving the 172.25.12.0/24, 172.25.13.0/24, 172.25.14.0/24, and 172.25.15.0/24 routes through both neighbors. You must ensure that traffic to these prefixes are load balanced through both service providers. You have configured a load-balancing policy and have applied it to the forwarding table, but the prefixes are not being load balanced.

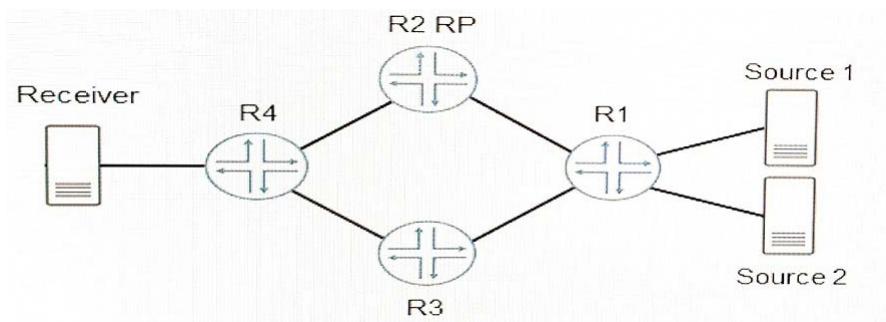
What is required to accomplish this task?

- A. The multihop feature should be enabled between both neighbors.
- B. The multipath multiple-as feature should be used between both neighbors.
- C. The as-override feature should be used between both neighbors.
- D. The include-mp-next-hop feature should be used between both neighbors.

Answer: B

Question: 4

Click the Exhibit.



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The Receiver is attempting to join two different groups, one from each source. You want to ensure that load balancing is taking place.

Referring to the exhibit, which statement is true?

- A. R4 must have join-load-balance configured under protocol PIM.
- B. R2 must have join-load-balance configured under protocol PIM.
- C. R1 must have join-load-balance configured under protocol PIM.
- D. R3 must have join-load-balance configured under protocol PIM.

Answer: C

Question: 5

Click the Exhibit.

```
[edit]
user@router1# show protocolsbgp
group to-router2 {
  type internal;
  local-as 65512;
  neighbor 192.168.1.2 {
    peer-as 65512;
  }
}

[edit]
user@router1# show routing -options

[edit]
user@router1# run show bgp summary
Groups: 1 Peers: 1 Down peers: 1
Table      Tot Paths  Act Paths  Suppressed  History  Damp State
Pending
inet. 0      0          0           0         0         0
Peer      AS         inPkt      OutPkt     OutQ      Flaps Last
Up/Dwn State | #Active/ Received/ Accepted/ Damped...
192.168.1.2 | 65512     0          6          0         0
7: 58 Active
```

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```
[edit]
user@router1# run show log messages
Jun 13 16:29:42 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to the server
after 0 retries
Jun 13 16:29:44 router1 rpd [3348]: bgp_recv: peer 192.168.1.2 (Internal AS 65512) : received
unexpected EOF
Jun 13 16:29:47 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to the server
after 0 retries
Jun 13 16:29:57 router1 las time message repeated 2 times
Jun 13 16:30:00 router1 cron [3383] : (root) CMD (newsyslog)
Jun 13 16:30:00 router1 cron [3384] : (root) CMD ( /user/libexec/atrun)
Jun 13 16:30:02 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to the server
after 0 retries
Jun 13 16:30:07 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to the server
after 0 retries
Jun 13 16:30:12 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to the server
after 0 retries
Jun 13 16:30:16 router1 rpd [3348]: bgp_recv: peer 192.168.1.2 (Internal AS 65512) : received
unexpected EOF
Jun 13 16:30:17 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to the server
after 0 retries
Jun 13 16:30:32 router1 last message repeated 3 times
Jun 13 16:30:37 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to the server
after 0 retries
Jun 13 16:30:40 router1 rpd [3348]: bgp_listen_accept: Connection attempt from unconfigured
neighbor: 172.17.20.2+62931
Jun 13 16:30:42 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to connect to
the server after 0 retries
Jun 13 16:30:52 router1 last message repeated 2 times
Jun 13 16:30:57 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to connect to
the server after 0 retries
Jun 13 16:31:02 router1 flowd_octeon_hm: pconn_client_connect: Failed to connect to connect to
the server after 0 retries
Jun 13 16:31:12 router1 last message repeated 2 times
```

```
[edit]
user@router2# show protocols bgp
group to-router1 {
  type internal;
  family inet {
    unicast;
  }
  neighbor 192.168.1.1;
}
```

```
[edit]
user@router2# show routing -options
autonomous-system 65512;
```

```
[edit]
user@router2# run show bgp summary
Groups: 1 Peers: 1 Down peers: 1
Table          Tot Paths   Act Paths   Suppressed   History   Damp State
Pending
inet.0         0           0           0           0         0

Peer          AS      inPkt  OutPkt      OutQ      Flaps Last
Up/Dwn State | #Active/ Received/ Accepted/ Damped...
192.168.1.1   65512   0      12         0         0
20: 11 Active
```

You are configuring a new BGP session between router1 and router2. The session does not establish.

Referring to the exhibit, what must be done to establish this session?

A. You must define the peer-as number on router2.

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B. You must define the autonomous- system number under the [edit routing-options] hierarchy on router1.

C. You must specify type as external on both devices.

D. You must specify the local-address on both devices.

Answer: D

Question: 6

OSFP is stuck in the ExStart state.

What is a common cause of this problem?

A. The DR priority is configured incorrectly.

B. MTUs do not match.

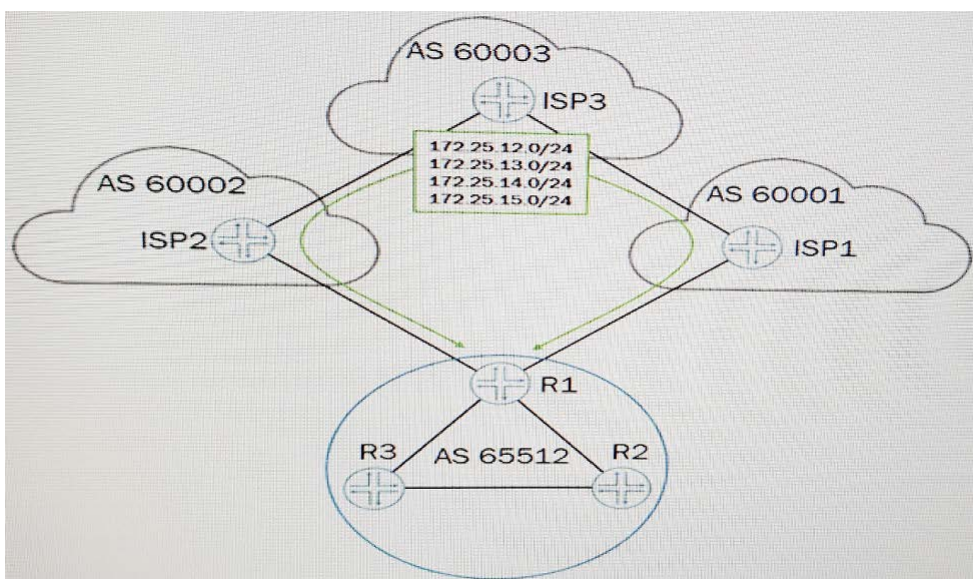
C. IP addresses are not configured correctly.

D. Jumbo frames are not enabled.

Answer: B

Question: 7

Click the Exhibit.



Referring to the exhibit, you are receiving multiple routes from ISP3 through two EBGP neighbors. You must ensure that all traffic leaving R1 destined to the networks advertised by

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ISP3 go through ISP2.

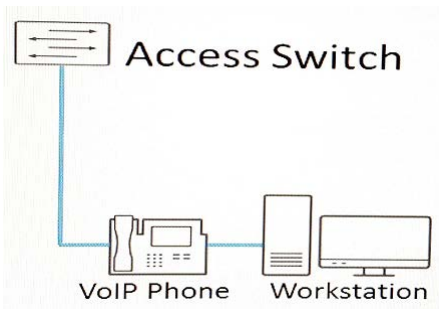
What should you do on R1 to accomplish this task?

- A. Create and apply an import policy to set the local preference on routes learned from ISP2 to be lower than those learned from ISP1.
- B. Create and apply an import policy to set the route preference on routes learned from ISP2 to be lower than those learned from ISP1.
- C. Create and apply an import policy to set the route preference on routes learned from ISP2 to be higher than those learned from ISP1.
- D. Create and apply an import policy to set the local preference on routes learned from ISP2 to be higher than those learned from ISP1.

Answer: D

Question: 8

Click the Exhibit.



You have configured 802.1X single supplicant mode on the access switch. The VoIP phone does not support 802.1X authentication.

Referring to the exhibit, which statement is true?

- A. MAC bypass must be configured for the VoIP phone for this solution to work.
- B. Authentication must be changed to multiple supplicant mode for this solution to work.
- C. The VoIP phone will be able to communicate over the network after the workstation authenticates.
- D. The VoIP phone will not be able to communicate over the network.

Answer: C

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Question: 9

Click the exhibit.

```
[edit class-of-service schedulers]
user@router# show
s-1 {
    transmit-rate percent 30;
    priority high;
}
s-2 {
    transmit -rate percent 5;
    priority medium-high;
}
s-3 {
    transmit-rate percent 30;
    priority medium-low;
}
s-4 {
    transmit-rate percent 35;
    priority low;
}
```

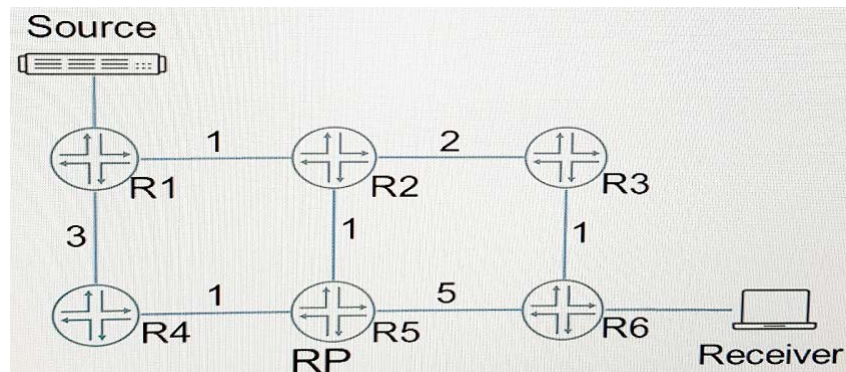
Referring to the exhibit, traffic handled by the s-1 scheduler is out of profile. Assuming bandwidth is available in this scenario, which statement is correct?

- A. Traffic handled by the s-1 scheduler is serviced immediately after traffic being serviced by the s-4 scheduler.
- B. Traffic handled by the s-1 scheduler is serviced immediately before traffic being serviced by the s-4 scheduler.
- C. Traffic handled by the s-1 scheduler is serviced immediately before traffic being serviced by the s-2 scheduler.
- D. Traffic handled by the s-1 scheduler is serviced immediately after traffic being serviced by the s-2 scheduler.

Answer: D

Question: 10

Click the Exhibit.



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You have deployed sparse-mode multicast in your network using the IGP metrics shown in the exhibit.

Which path will (*, G) traffic follow from the source to the receiver before the (S, G) state is registered?

- A. Source, R1, R4, R5, R6, Receiver
- B. Source, R1, R2, R5, R2, R3, R6 Receiver
- C. Source, R1, R2, R3, R6, Receiver
- D. Source, R1, R2, R5, R6, Receiver

Answer: B

Question: 11

Click the Exhibit.

```
user@R1> show log ospf-trace
Jun 13 09:29:40. 927461 Received OSPF packet od type and wire_length 1,
60
Jun 13 09:29:40. 927471 OSPF rcvd Hello 172.24.192.82 -> 224.0.0.5 (xe-
11/3/0.0 IFL 3170 area 0.0.0.0)
Jun 13 09:29:40. 927477 Version 2, length 48, ID 172.24.192.82, area
0.0.0.0
Jun 13 09:29:40. 927481 checksum 0x0, authtype 0
Jun 13 09:29:40. 927487 mask 255.255.255.254, hello_ivl 10, opts 0x12,
prio 128
Jun 13 09:29:40. 927492 dead_ivl 40, DR 172.24.192.82, BDR 0.0.0.0
Jun 13 09:29:40. 927497 neighbor 172.24.192.165
Jun 13 09:29:40. 927509 OSPF restart signaling: Received hello with LLS
data from nbr ip+ 172.24.192.82 id= 172.24.192.82
Jun 13 09:29:40. 927516 OSPF packet ignored: configuration mismatch from
172.24.192.82 on intf xe-11/3/0.0 area 0.0.0.0
Jun 13 09:29:41. 532396 rt_flash_update_callback: flash OSPF (inet.0)
start
```


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```
user@R1 show protocols ospf
traceoptions {
  file ospf-trace
  flag all;
}
reference-bandwidth 1000g;
area 0.0.0.0 {
  interface lo0.0 {
    passive;
  }
  interface ae0.0 {
    interface-type p2p;
    bfd-liveness-detection {
      minimum-interval 750;
      multiplier 3;
    }
  }
  interface xe-11/3/0.0 {
    interface-type p2p;
    bfd-liveness-detection {
      minimum-interval 750;
      multiplier 3;
    }
  }
}
[edit]
user@R2# show protocols ospf
area 0.0.0.0 {
  interface xe-2/1/0.0 {
    metric 220;
    priority 150;
    hello-interval 10;
    dead-interval 40;
  }
}
```

You have just configured on an OSPF adjacency between two routers. After you commit the configuration, you notice that your adjacency is not up. Referring to the exhibit, what would cause the problem?

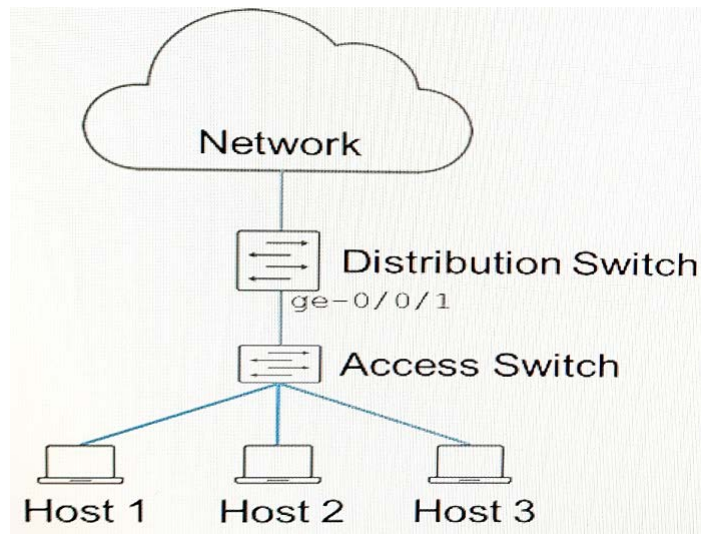
- A. You must configure lo on R2.
- B. You must configure hello and dead intervals on R1.
- C. You must configure on interface-type on R2.
- D. You must configure bfd on R2.

Answer: C

Question: 12

Click the Exhibit.

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```
{master: 0} [edit]
user@switch#show protocols dot1x
authenticator {
  interface {
    ge-0/0/1.0 {
      supplicant single;
    }
  }
}
```

You have deployed the access control configuration to the distribution switch. Referring to the exhibit, which statement is true?

- A. All hosts connected to the access switch require authentication to access the network.
- B. All hosts connected to the access switch will have access to the network after one host authenticates.
- C. All hosts connected to the access switch will have access to the network without authentication.
- D. Only the first host to authenticate will have access to the network, other hosts will be blocked.

Answer: B

Question: 13

Click the Exhibit.