JN0-694 Q&As

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

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QUESTION 1

-- Exhibit -user@router> show ospf database

Area 0.0.0.1 Type ID Adv Rtr Seq Age Opt Cksum Len Router 172.24.255.1 172.24.255.1 0x800000d4 182 0x22 0x59f3 36 Router 172.24.255.2 172.24.255.2 0x800000d4 177 0x22 0x57f2 36 Router *172.24.255.4 172.24.255.4 0x800000dc 176 0x22 0x75fa 72 Network 172.24.124.2 172.24.255.2 0x80000007 177 0x22 0x7957 36 Summary 172.24.13.0 172.24.255.1 0x80000004 2370 0x22 0x3f62 28 Summary 172.24.23.0 172.24.255.1 0x80000002 471 0x22 0xdeb9 28 Summary 172.24.255.1 172.24.255.1 0x800000cb 2037 0x22 0x2bbb 28 Summary 172.24.255.2

172.24.255.2 0x800000cc 487 0x22 0x19ca 28 Summary 172.24.255.3 172.24.255.1 0x80000003 140 0x22 0xb2f9 28 OSPF AS SCOPE link state database Type ID Adv Rtr Seq Age Opt Cksum Len Extern *1.47.82.0 172.24.255.4 0x80000002 1037 0x22 0x4225 36 Extern *100.0.0.0 172.24.255.4 0x80000001 2643 0x22 0xfc88 36

user@router> show ospf neighbor Address Interface State ID Pri Dead

172.24.124.2 ge-0/0/1.0 Full 172.24.255.2 128 36

172.24.124.1 ge-0/0/1.0 Full 172.24.255.1 128 30

user@router> show ospf interface ge-0/0/1.0 extensive Interface State Area DR ID BDR ID Nbrs ge-0/0/1.0 PtToPt 0.0.0.1 0.0.0.0 0.0.0.0 2 Type: P2MP, Address: 172.24.124.4, Mask: 255.255.255.0, MTU: 1500, Cost: 1 Adj count: 2 Hello: 10, DeaD. 40, ReXmit: 5, Not Stub Auth type: None Protection type: None Topology default (ID 0) -> Cost: 1 user@router> show route protocol ospf table inet.0

inet.0: 11133 destinations, 11135 routes (11133 active, 0 holddown, 0 hidden) + = Active Route, - = Last Active, * = Both

224.0.0.5/32 *[OSPF/10] 1w0d 00:01:14, metric 1 MultiRecv -- Exhibit -

Click the Exhibit button.

Referring to the exhibit, why are the OSPF routes missing from the routing table for this router?

A. mismatching OSPF interface type with the neighbor

B. MTU mismatch with the neighbor

C. incorrect IP address configured on the interface

D. no Type 4 LSAs in the OSPF database

Correct Answer: A

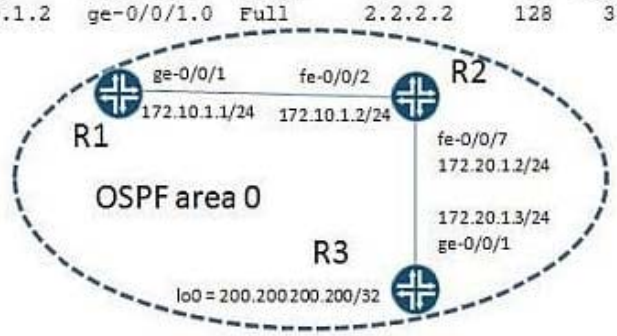
QUESTION 2

-- Exhibit

```
user@R1> show route
inet.0: 5 destinations, 5 routes (5 active, 0
holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both

1.1.1.1/32          *[Direct/0] 00:01:10
                     > via lo0.0
2.2.2.2/32          *[OSPF/10] 00:00:13, metric 1
                     > to 172.10.1.2 via ge-0/0/1.0
172.10.1.0/24       *[Direct/0] 00:01:10
                     > via ge-0/0/1.0
172.10.1.1/32       *[Local/0] 00:01:10
                       Local via ge-0/0/1.0
224.0.0.5/32        *[OSPF/10] 00:01:10, metric 1
                       MultiRecv
```

```
user@R1> show ospf interface ge-0/0/1.0 detail
Interface  State Area        DR ID         BDR ID    Nbrs
ge-0/0/1.0 DR  0.0.0.0   200.200.200.200 2.2.2.2     1
  Type: LAN, Address: 172.10.1.1, Mask: 255.255.255.0,
  MTU: 1500, Cost: 1
  DR addr: 172.10.1.1, BDR addr: 172.10.1.2, Priority:
128
  …
user@R1> show ospf neighbor detail
Address      Interface   State     ID          Pri  Dead
172.10.1.2   ge-0/0/1.0  Full      2.2.2.2     128    31
 …
```




```
user@R1> show ospf database
Jun 12 03:33:34
    OSPF database, Area 0.0.0.0
 Type       ID               Adv Rtr           Seq      Age  Opt  Cksum  Len
Router   2.2.2.2          2.2.2.2         0x80000005    30  0x22 0xeb10  60
Router   *200.200.200.200 200.200.200.200 0x80000009     7  0x22 0x1d42  48
Network *172.10.1.1       200.200.200.200 0x80000005     2  0x22 0xcc62  32
Network *172.20.1.3       200.200.200.200 0x80000004  3600  0x22 0x42e1  32
```

```
user@R1> show ospf database
Jun 12 03:33:46
    OSPF database, Area 0.0.0.0
 Type       ID               Adv Rtr           Seq      Age  Opt  Cksum  Len
Router   2.2.2.2          2.2.2.2         0x80000005    42  0x22 0xeb10  60
Router   *200.200.200.200 200.200.200.200 0x8000000d     3  0x22 0x1546  48
Network *172.10.1.1       200.200.200.200 0x80000006     6  0x22 0xca63  32
Network *172.20.1.3       200.200.200.200 0x80000005  3600  0x22 0x40e2  32
```

-- Exhibit -Click the Exhibit button.

Referring to the exhibit, you are configuring an OSPF network. All OSPF adjacencies come up and stay stable. But neither R1 nor R2 has the prefix 200.200.200.200/32 in its routing table.

What is causing this problem?

A. R2 does not have the export policy for prefix 200.200.200.200/32.

B. R1 does not have routes to network 172.10.1.0/24.

C. R2 is BDR on both network 172.10.1.0/24 and 172.20.1.0/24.

D. The router ID of R1 is the same as the router ID of R3.

Correct Answer: D

QUESTION 3

-- Exhibit -Jun 12 02:56:06 R1 rpd[60735]: RPD_OSPF_NBRDOWN: OSPF neighbor 10.50.10.25 (realm ospf-v2 fe0/0/4.0 area 0.0.0.0) state changed from Full to Init due to 1WayRcvd (event reason: neighbor is in one-way mode) Jun 12 02:59:36 R1 rpd[60735]: RPD_OSPF_NBRUP: OSPF neighbor 10.50.10.25 (realm ospf-v2 fe0/0/4.0 area 0.0.0.0) state changed from Init to ExStart due to 2WayRcvd (event reason: neighbor detected this router) Jun 12

02:59:36 R1 rpd[60735]: RPD_OSPF_NBRUP: OSPF neighbor 10.50.10.25 (realm ospf-v2 fe0/0/4.0 area 0.0.0.0) state changed from Exchange to Full due to ExchangeDone (event reason: DBD exchange of slave completed) -- Exhibit -

Click the Exhibit button.

You notice that there is a problem with the OSPF adjacency between two routers, R1 and R2. The relevant system logs from R1 are shown in the exhibit.

What would cause this behavior?

A. R2 was dropping R1\\'s OSPF hello packets.

B. R1 was dropping R2\\'s OSPF hello packets.

C. R1\\'s interface went down and came back up.

D. There is an OSPF hello timer mismatch between the two routers.

Correct Answer: A

QUESTION 4

You recently deployed two Anycast RPs. Multicast clients in the network are reporting that they are receiving traffic from some, but not all, multicast sources.

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

A. Configure MSDP between the Anycast RPs.

B. Configure rp-set for the Anycast RPs.

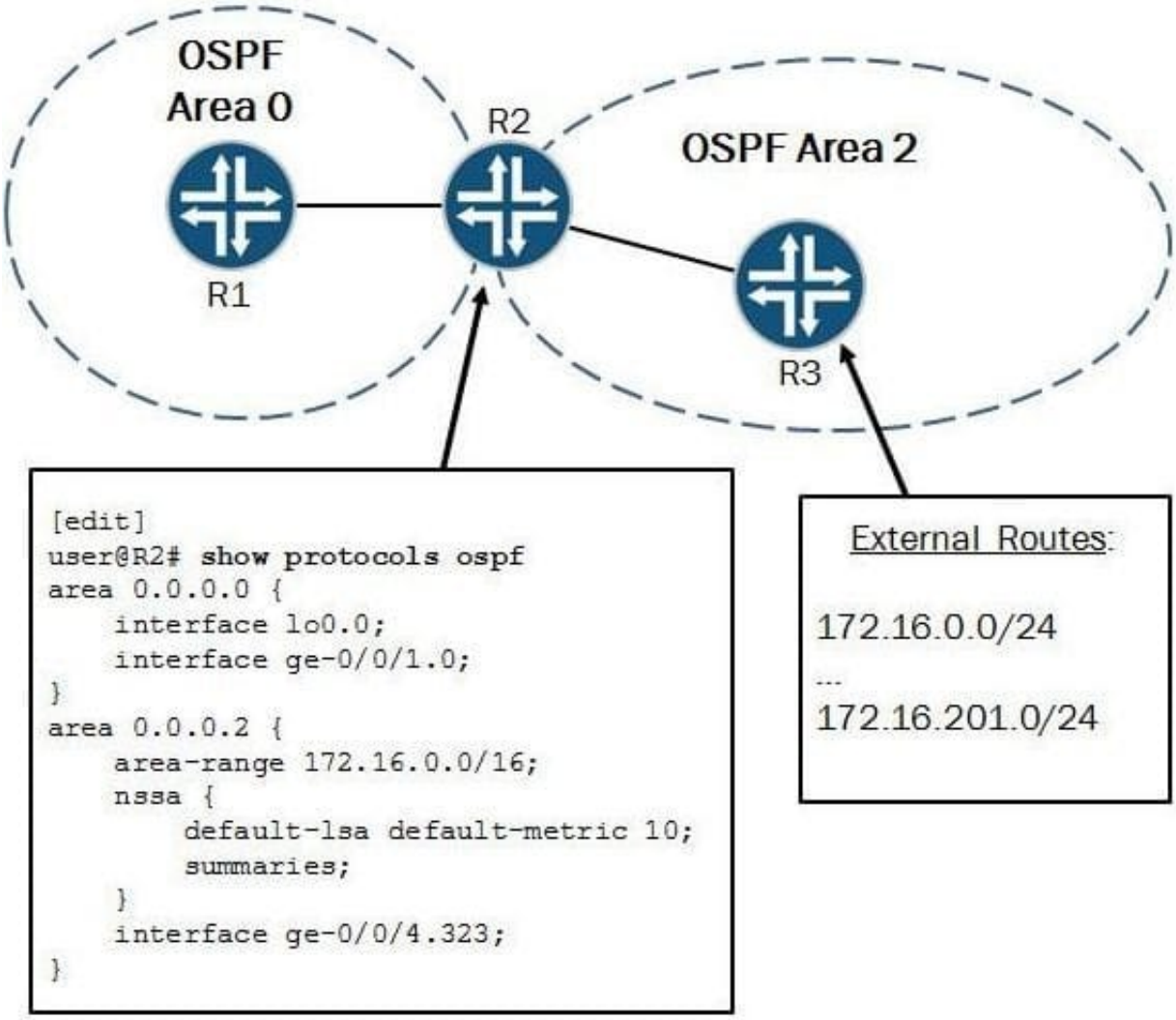
C. Configure multicast BGP between the Anycast RPs.

D. Configure the network to always use the RPT and not switch over to the SPT.

Correct Answer: AB

QUESTION 5

You are troubleshooting a problem where external routes are not being summarized into the OSPF backbone.



Referring to the exhibit, what needs to be done to resolve this problem?

A. The area-range parameter needs to be under Area 0.

B. The area-range parameter needs to be under the nssa hierarchy.

C. The summaries parameter needs to be removed under the/issa hierarchy.

D. The area-range parameter must include the override-metric parameter.

Correct Answer: B

QUESTION 6

Your Layer 2 network uses VLAN IDs 100 through 400 and you are required to load-balance these VLANs between two different root bridges. You are currently using the default RSTP settings and notice that all VLANs are using the same root bridge.

How do you ensure the VLANs are load-balanced between two root bridges?

A. Configure MSTP with two MSTI regions and split the VLAN range between them.

B. Configure VSTP with two VLAN groups and split the VLAN range between them.

C. Configure two RSTP instances and split the VLAN range between them.

D. Configure STP and RSTP and split the VLAN range between them.

Correct Answer: A

QUESTION 7

-- Exhibit -policy-statement test_route_filter {

term 1 {

from {

route-filter 192.168.0.0/16 longer;

route-filter 192.168.1.0/24 longer {

metric 5;

accept;

}

route-filter 192.168.0.0/8 orlonger accept;

}

then {

metric 10;

accept;

}

}

term 2 {

then {

metric 20;

accept;

}

}

}

-- Exhibit -

Click the Exhibit button.

Given test route 192.168.1.0/24 and the configuration shown in the exhibit, what is the expected result?

A. accepted with metric of 5

B. accepted with metric of 10

C. accepted with metric of 20

D. rejected

Correct Answer: C

QUESTION 8

-- Exhibit -(MSTI 2 regional root: 16386.2c:6b:f5:3e:f8:01)

{master:0}

user@switch> show spanning-tree interface

Spanning tree interface parameters for instance 0

Interface Port ID Designated Designated Port State Role port ID bridge ID Cost

ge-0/0/6.0 128:519 128:519 16384.80711fbc 20000 BLK ALT ge-0/0/9.0 128:522 128:522

53248.2c6bf591a441 20000 FWD DESG ge-0/0/10.0 128:523 128:523 8192.80711fbe8110 20000 FWD

ROOT ge-0/0/12.0 128:525 128:525 49152.2c6bf53ef801 20000 BLK ALT

[...]

-- Exhibit -

Click the Exhibit button.

While troubleshooting an MSTP operation in your network, you see the output shown in the exhibit on one

of your switches. You know that the MSTI 2 regional root bridge ID is 16386.2c:6b:f5:3e:f8:01.

Which port is attached to the root bridge of MSTI 2?

A. ge-0/0/6

B. ge-0/0/9

C. ge-0/0/10

D. ge-0/0/12

Correct Answer: D

QUESTION 9

Your switch is experiencing a problem where a port that should have only one host connected occasionally shows that multiple MAC addresses are being learned.

Which configuration setting would ensure that no extra hosts can join the network using this switch port?

A. mac-limit

B. no-mac-learning

C. persistent-learning

D. bpdu-block-on-edge

Correct Answer: D

QUESTION 10

-- 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