



Juniper

Exam Questions JN0-349

Enterprise Routing and Switching - Specialist (JNCIS-ENT)

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NEW QUESTION 1

What are two Layer 2 firewall filter types? (Choose two.)

- A. port-based
- B. packet-based
- C. flow-based
- D. VLAN-based

Answer: AD

NEW QUESTION 2

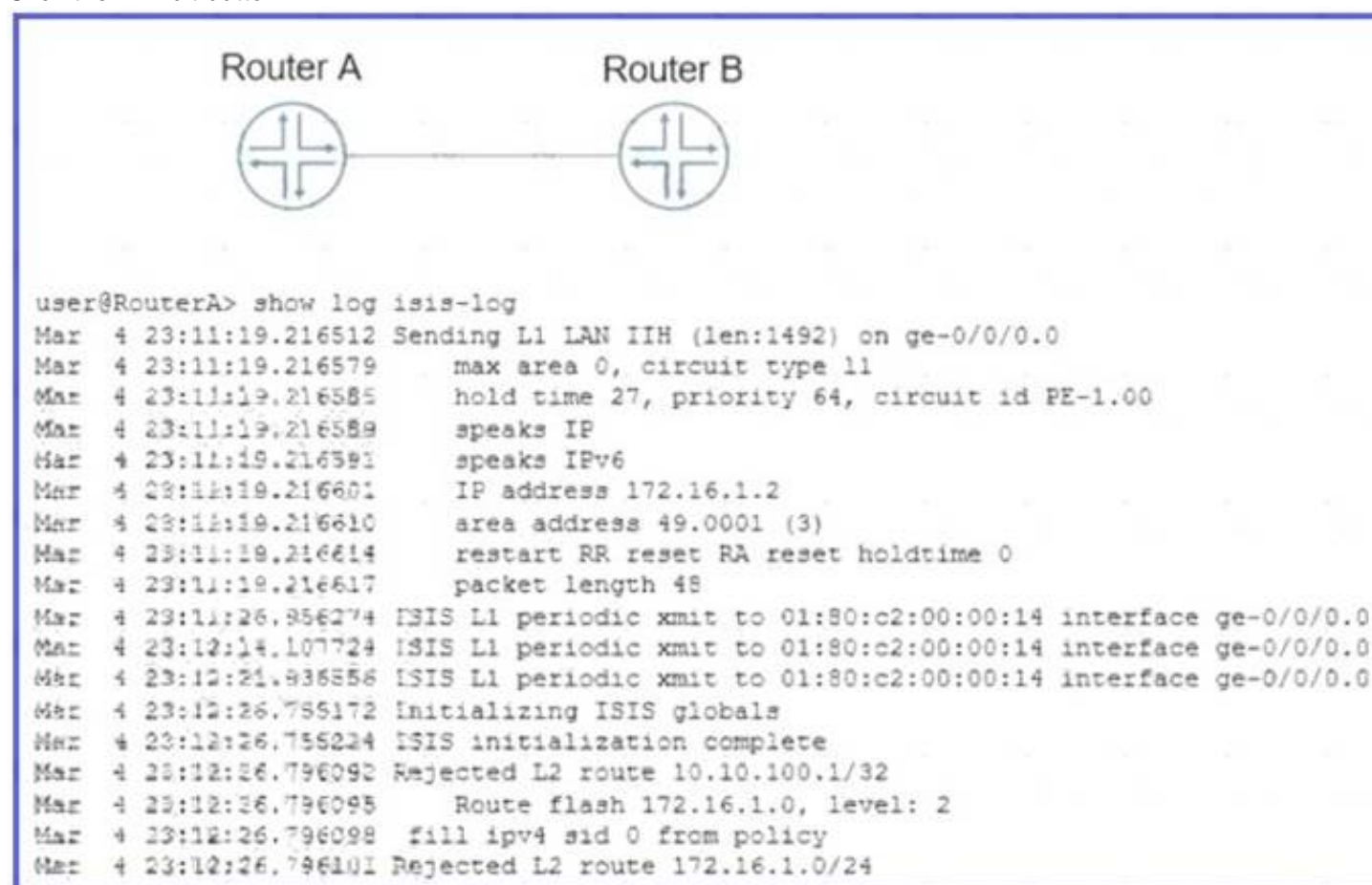
Your BGP router receives routes from two upstream ISPs: ISP A and ISP B. In this scenario, which change would you make to prefer routes from ISP A?

- A. Set the local-preference attribute for all routes received from ISP A to 200 while all routes received from ISP B use the default local-preference value of 100.
- B. Prepend the AS path to all routes received from ISP A while all routes received from ISP B use the default AS path value.
- C. Change the MED value for all routes received from ISP A to 1 while all routes from ISP B remain configured with no MED value.
- D. Set the local-preference attribute for all routes received from ISP A to 50 while all routes received from ISP B use the default local-preference value of 100.

Answer: A

NEW QUESTION 3

Click the Exhibit button.



You are trying to form an IS-IS adjacency between Router A and Router B, but the IS-IS adjacency will not form between the two routers. Referring to the exhibit, which action would solve this problem?

- A. Enable level 1 IS-IS routing on Router A.
- B. Enable IS-IS wide metrics on Router A.
- C. Enable level 2 IS-IS routing on Router B.
- D. Enable IS-IS wide metrics on Router B.

Answer: C

NEW QUESTION 4

Click the Exhibit button.

```
user@router1# run show route 10.30.30.221 extensive hidden
inet.0: 103 destinations, 156 routes (103 active, 0 holddown, 4 hidden)
Restart Complete
10.30.30.221/32 (3 entries, 1 announced)
...
BGP /-101
  Next hop type: Indirect, Next hop index: 0
  Address: 0xc8d9ad0
  Next-hop reference count: 8
  Source: 10.12.0.23
  Next hop type: Router, Next hop index: 578
  Next hop: 10.252.11.0 via ae1.11, selected
  Session Id: 0x0
  Protocol next hop: 10.12.0.23
  Indirect next hop: 0xc9181e0 262144 INH Session ID: 0x0
  State: <Hidden Ext>
  Inactive reason: Unusable path
  Local AS: 64660 Peer AS: 4200000006
  Age: 46 Metric2: 0
  Validation State: unverified
  Task: BGP_4200000006.10.12.0.23
  AS path: 4200000006 4200000108 4200000103 4200000100 4200000101 4200000104 I
  Communities: 0:2 target:300301L:1 encapsulation:vxlan(0x8) router-mac:44:aa:50:b2:d6:e0
  Localpref: 100
  Router ID: 10.12.0.23
  Hidden reason: rejected by import policy
  Indirect next hops: 1
    Protocol next hop: 10.12.0.23
  Indirect next hop: 0xc9181e0 262144 INH Session ID: 0x0
  Indirect path forwarding next hops: 1
    Next hop type: Router
    Next hop: 10.252.11.0 via ae1.11
    Session Id: 0x0
10.12.0.23/32 Originating RIB: inet.0
  Node path count: 1
  Forwarding nexthops: 1
  Nexthop: 10.252.11.0 via ae1.11
  Session Id: 0
```

Why is the route shown in the exhibit hidden?

- A. The router cannot reach the protocol next hop.
- B. An MPLS LSP is unavailable.
- C. The router is being rejected through an import policy.
- D. The route is being rejected through an export policy.

Answer: C

NEW QUESTION 5

Your router is learning the 172.25.11.0/24 prefix from both the BGP and OSPF protocols. A routing policy is configured on your device to advertise the prefix to an established BGP peer but the peer is not receiving the prefix. You want to allow the prefix to be advertised to the BGP peer. What should you do on this router to satisfy this requirement?

- A. Enable the automatic removal of peer AS information from the prefix.
- B. Enable the advertisement of inactive BGP routes.
- C. Enable the automatic removal of private AS numbers from the prefix.
- D. Enable the automatic refreshing of BGP routes.

Answer: B

NEW QUESTION 6

Which protocol supports tunneling of non-IP traffic?

- A. GRE
- B. SSH
- C. IPsec
- D. IP-IP

Answer: A

NEW QUESTION 7

Which two statements about Layer 2 firewall filters are correct? (Choose two.)

- A. You can apply only one firewall filter term per filter.
- B. You can apply only one input filter per VLAN.
- C. You can apply multiple firewall filter terms per filter.
- D. You can apply multiple input filters per VLAN.

Answer: BC

NEW QUESTION 8

Click the Exhibit button.

```
{master:0}
user@switch> show spanning-tree bridge
STP bridge parameters
Context ID                : 0
Enabled protocol          : RSTP
  Root ID                 : 8192.50:c5:8d:ae:db:41
  Root cost                : 40000
  Root port               : ge-0/0/14.0
  Hello time              : 2 seconds
  Maximum age             : 40 seconds
  Forward delay           : 30 seconds
  Message age             : 4
  Number of topology changes : 1
  Time since last topology changes : 64 seconds
  Topology change initiator : ge-0/0/14.0
  Topology change last recvd. from : 2c:6b:f5:31:06:0e
Local parameters
  Bridge ID               : 32768.50:c5:8d:ae:bd:41
  Extended system ID      : 0
  Internal instance ID    : 0
```

Referring to the exhibit, which statement is correct?

- A. The device is the root bridge?
- B. The spanning tree session has timed out.
- C. The local bridge priority is set to 8k.
- D. The bridge priority on the root device is set to 8k.

Answer: D

NEW QUESTION 9

Which mechanism is used to share routes between routing tables?

- A. RIB groups
- B. routing instances
- C. forwarding instances
- D. filter-based forwarding

Answer: A

NEW QUESTION 10

Click the Exhibit button.

```
user@router> show ospf neighbor
Address      Interface      State      ID              Pri
Dead
172.16.248.214 xe-0/0/2.0    2-Way      172.16.248.14   128
39
```

Referring to the exhibit, which statement is correct?

- A. The router is acting as the DR.
- B. The router is acting as the BDR.
- C. The router is acting as a DROther.
- D. The router is not able to establish an adjacency.

Answer: C

NEW QUESTION 10

You are deploying a new switch configuration at a small branch using EX3400 Series switches. You are concerned about loop prevention. In this scenario, which configuration would you deploy?

- A. RSTP
- B. EVPN
- C. MPLS
- D. BPDU

Answer: A

NEW QUESTION 14

Routet-1 and Router-2 must connect through the Internet using a tunneling technology. Hosts that are connected to Router-1 and Router-2 will be sending traffic

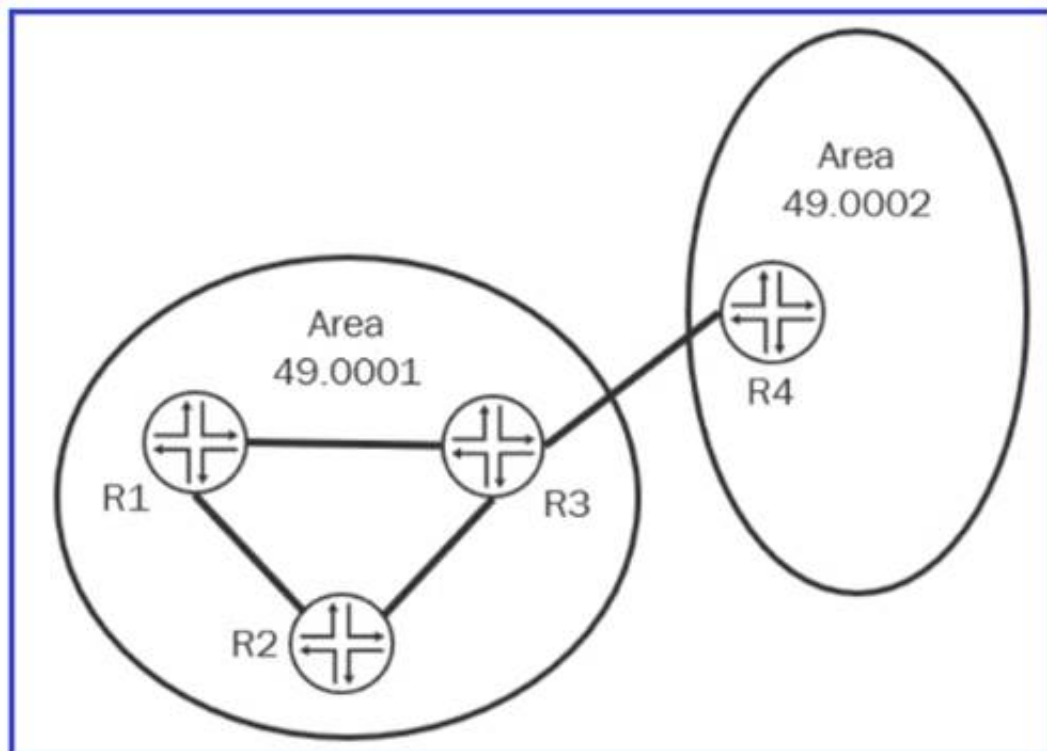
up to 1500 bytes. The maximum segment size that is supported across the path is 1520 bytes.
 Which tunneling technology will allow this communication to take place?

- A. IP-IP tunnel
- B. GRE tunnel
- C. IPsec VPN tunnel mode
- D. IPsec VPN transport mode

Answer: A

NEW QUESTION 18

Click the Exhibit button.



Referring to the exhibit, which three statements are correct? (Choose three.)

- A. R1 and R3 can form a Layer 2 IS-IS adjacency.
- B. R2 and R4 can form a Layer 1 IS-IS adjacency.
- C. R3 and R4 can form a Layer 2 IS-IS adjacency.
- D. R1 and R3 can form a Layer 1 IS-IS adjacency.
- E. R3 and R4 can form a Layer 1 IS-IS adjacency.

Answer: ACD

NEW QUESTION 22

You were provided a network diagram that told you to number your network from the 191.255.0.0/16 space. OSPF is enabled and adjacencies are up, but no routers are learning any routes. What can explain this?

- A. The default OSPF export policies advertise nothing, so you need to apply export policy
- B. The default OSPF import policy rejects all OSPF routes, so you need to apply import policy
- C. You need to modify the routing table with a 191.255.0.0/16 accept statement
- D. You need to enable OSPF on the lo0 interface to provide a route to the RID of each router in the network

Answer: C

NEW QUESTION 27

Which statement is true about IP-IP tunnels?

- A. The time-to-live value of the original packet is decremented.
- B. IP-IP tunnels are protocol agnostic.
- C. The packet is encapsulated unchanged before entering the tunnel
- D. The packet header is replaced before entering the tunnel

Answer: C

NEW QUESTION 31

You are concerned that someone from outside the company could use an open conference room port to access the network. Which feature should you use to address this concern?

- A. persistent MAC learning
- B. 802.1X
- C. DHCP snooping
- D. MAC limiting

Answer: B

NEW QUESTION 32

What are two functions of bridging? (Choose two.)

- A. blocking
- B. aging
- C. listening
- D. forwarding

Answer: CD

NEW QUESTION 37

Click the Exhibit button.

```
{master:0}
user@switch> show vlans
Routing instance      VLAN name      Tag      Interfaces
default-switch        default        1
                                     ge-0/0/0.0*
                                     ge-0/0/1.0*
                                     ge-0/0/2.0
                                     ge-0/0/3.0*
                                     ge-0/0/4.0
                                     ge-0/0/5.0*
                                     ...
```

Referring to the exhibit, what does the asterisk(*) following the ge-0/0/5.0 interface indicate?

- A. It indicates the interface is not active.
- B. It indicates the interface is a trunk port.
- C. It indicates the interface is an access port.
- D. It indicates the interface is active.

Answer: D

NEW QUESTION 40

Exhibit.

Exhibit

```

user@host> show route hidden detail
inet.0: 25 destinations, 26 routes (24 active, 0 holddown, 1
hidden)
Restart Complete
127.0.0.1/32 (1 entry, 0 announced)
    Direct Preference: 0
        Next hop type: Interface
        Next-hop reference count: 1
        Next hop: via lo0.0, selected
        State: <Hidden Martian Int>
        Local AS:      1
        Age: 4:27:37
        Task: IF
        AS path: I

privatel__inet.0: 2 destinations, 3 routes (2 active, 0
holddown, 0 hidden)

red.inet.0: 6 destinations, 8 routes (4 active, 0 holddown, 3
hidden)
Restart Complete

10.5.5.5/32 (1 entry, 0 announced)
    BGP      Preference: 170/-101
        Route Distinguisher: 10.4.4.4:4
        Next hop type: Unusable
        Next-hop reference count: 6
        State: <Secondary Hidden Int Ext>
        Local AS:      1 Peer AS:      1
        Age: 3:45:09
        Task: BGP_1.10.4.4.4+2493
        AS path: 100 I
        Communities: target:1:999
        VPN Label: 100064
        Localpref: 100
        Router ID: 10.4.4.4
        Primary Routing Table bgp.13vpn.0
    
```

Referring to the exhibit, why is the route for 10.5.5.5 hidden?

- A. It is an L3VPN route.
- B. The next hop cannot be resolved.
- C. It has an invalid community.
- D. It is a Martian route.

Answer: B

NEW QUESTION 44

Click the Exhibit button.

Exhibit

Route	MED	Origin Code	Local Preference
A	10	I	50
B	0	?	150
C	20	E	100
D	10	I	150

A routing table contains multiple BGP routes to the same destination prefix. The route preference is the same for each route. Referring to the exhibit, which route would be selected?

- A. route A
- B. route B
- C. route C
- D. route D

Answer: B

NEW QUESTION 49

Click the Exhibit button.

```
{master:0} [edit interfaces]
user@switch-1# show
interface-range range-1 {
    member ge-0/0/10;
    member-range ge-0/0/6 to ge-0/0/8;
    unit 0 {
        family ethernet-switching;
    }
}
```

Referring to the exhibit, which set of interfaces is enabled for Ethernet switching?

- A. ge-0/0/6, ge-0/0/7, and ge-0/0/8
- B. ge-0/0/6, ge-0/0/8, and ge-0/0/10
- C. ge0/0/6, ge-0/0/7, ge-0/0/8, and ge-0/0/10
- D. ge-0/0/6 and ge-0/0/8

Answer: C

NEW QUESTION 50

What are two benefits of 802.3ad link aggregation? (Choose two.)

- A. It increases bandwidth.
- B. It ensures symmetrical paths.
- C. It simplifies interface configuration.
- D. It creates physical layer redundancy.

Answer: AD

NEW QUESTION 54

You have a conference room with an open network port that is used by employees to connect to the network. You are concerned about rogue switches being connected to this port.

Which two features should you enable on your switch to limit access to this port? (Choose two.)

- A. DHCP snooping
- B. dynamic ARP inspection
- C. MAC limiting
- D. 802.1X

Answer: AB

NEW QUESTION 59

Which Junos feature allows you to combine multiple interfaces into a single bundle?

- A. VRRP
- B. Virtual Chassis
- C. LAG
- D. NSB

Answer: C

NEW QUESTION 61

Which two characteristics are true for EBGP peerings? (Choose two.)

- A. EBGP peers must be directly connected.
- B. EBGP connects peer devices in the same autonomous system.
- C. EBGP connects peer devices in two different autonomous systems.
- D. EBGP peers can be connected over a multihop connection.

Answer: ACD

NEW QUESTION 65

What are two advantages of a point-to-point OSPF adjacency? (Choose two.)

- A. Only a DR is elected.
- B. No type 1 LSAs are generated.
- C. No type 2 LSAs are generated.
- D. There is quicker neighbor establishment.

Answer: ACD

NEW QUESTION 66

You want to configure Layer 2 services over an IP-based tunneling mechanism between two sites. Which configuration statement is required to accomplish this task?

- A. set interfaces gr-0/0/0.0 family bridge
- B. set interfaces ip-0/0/0.0 encapsulation vlan-bridge
- C. set interfaces gr-0/0/0.0 encapsulation vlan-bridge
- D. set interfaces ip-0/0/0.0 family bridge

Answer: A

NEW QUESTION 67

Which two routes belong to the 172.16.0.0/22 aggregate route? (Choose two.)

- A. 172.16.4.0/24
- B. 172.16.0.0/24
- C. 172.16.5.0/24
- D. 172.16.3.0/24

Answer: ABD

NEW QUESTION 70

Your network is configured with dynamic ARP inspection (DAI) using the default parameters for all the DHCP and ARP related configurations. You just added a new device connected to a trunk port and configured it to obtain an IP address using DHCP. Which two statements are correct in this scenario? (Choose two.)

- A. The DHCP server assigns the IP addressing information to the new device.
- B. DAI validates the ARP packets for the new device against the DHCP snooping database.
- C. The ARP request and response packets for the new device will bypass DA
- D. DHCP snooping adds the DHCP assigned IP address for the new device to its database.

Answer: AB

NEW QUESTION 71

Which two requirements must be satisfied before graceful restart will work? (Choose two.)

- A. a stable network topology
- B. a neighbor configured with BFD
- C. a neighbor configured with graceful restart
- D. a neighbor with an uptime greater than an hour

Answer: AC

NEW QUESTION 75

You configured a GRE tunnel that traverses a path using default MTU settings. You want to ensure that packets are not dropped or fragmented. In this scenario, what is the maximum packet size that would traverse the GRE tunnel?

- A. 1500
- B. 1400
- C. 1524
- D. 1476

Answer: D

NEW QUESTION 76

Which two statements describe BGP attributes? (Choose two.)

- A. BGP attributes help determine the best path to a destination.
- B. The origin attribute indicates the autonomous systems through which the route has traversed.
- C. BGP attributes are always optional.
- D. The AS path attribute indicates the autonomous systems through which the route has traversed.

Answer: AC

NEW QUESTION 77

Which static route next-hop value indicates that the packet will be silently dropped?

- A. resolve
- B. discard
- C. reject
- D. next-table

Answer: B

NEW QUESTION 81

You want to configure your Junos device so that routing information from certain prefixes on a neighboring router are ignored. What should you configure on your device?

- A. lt interface
- B. firewall rule
- C. martian address
- D. vt interface

Answer: C

NEW QUESTION 84

Which two situations would cause dynamic ARP inspection to drop traffic? (Choose two.)

- A. if no IP-to-MAC address entry exists in the DHCP snooping database
- B. if the IP address in the ARP packet is deemed invalid
- C. if the requested MAC address exceeds the configured limit on the port
- D. if the ARP packet comes from a port that has been configured as trusted

Answer: AB

NEW QUESTION 87

You are configuring OSPF and want to ensure that interface ge-0/0/3 is preferred over interface ge- 0/0/4. Which statement is correct in this scenario?

- A. Configure ge-0/0/3 with a higher metric.
- B. Configure reference bandwidth.
- C. Configure a redistribution policy.
- D. Configure ge-0/0/4 with a higher metric.

Answer: D

NEW QUESTION 91

Which two statements are true about high availability on Junos devices? (Choose two.)

- A. BFD is faster at detecting failures than default GRE or OSPF timers.
- B. NSR is independent of helper routers to assist the routing platform in restoring routing protocol information.
- C. NSR is dependent on helper routers to assist the routing platform in restoring routing protocol information.
- D. BFD is slower at detecting failures than default GRE or OSPF timers.

Answer: AB

Explanation:

https://www.juniper.net/documentation/en_US/junos/topics/concept/nsr-overview.html

NEW QUESTION 94

When electing a DIS in an IS-IS network, what is used to break a priority tie?

- A. highest router ID
- B. highest MAC address
- C. lowest MAC address
- D. lowest router ID

Answer: B

Explanation:

https://www.juniper.net/documentation/en_US/junos/topics/concept/routing-protocol-is-issecurity-designated-router-understanding.html

NEW QUESTION 97

You are a service provider and have multiple customers in a building.

You are installing a new switch that can host all of your customers. However, you would like to ensure that one customer cannot see or broadcast to another customer.

You would also like to have them use a common gateway IP address from the building. What should be used to provide this access?

- A. VLAN
- B. private VLAN
- C. filter-based VLAN
- D. Layer 2 tunneling

Answer: B

NEW QUESTION 98

What types of authentication are supported in Junos for OSPF?

- A. Simple password
- B. MD5 checksum

- C. Hitless key chain of MD5 keys/checksums
- D. All of the above

Answer: D

NEW QUESTION 102

What are three types of port designation specific to Private VLANs? (Choose three.)

- A. Promiscuous ports
- B. Transparent ports
- C. PVLAN trunk ports
- D. Designated ports
- E. Isolated ports

Answer: ACE

NEW QUESTION 103

Which statement describes GRES?

- A. GRES requires NSR to function properly.
- B. GRES provides routing loop protection.
- C. GRES provides hardware-level high availability.
- D. GRES rapidly detects link failures.

Answer: A

NEW QUESTION 108

You have an OSPF NSSA area that is also receiving IS-IS routes on the ASBR. In this scenario, which LSA type is used to announce external IS-IS routes?

- A. Type 7
- B. Type 8
- C. Type 1
- D. Type 4

Answer: D

NEW QUESTION 112

Which three link-specific fields must match between OSPF neighbors before they form an adjacency over a broadcast medium? (Choose three.)

- A. router priority
- B. hello interval
- C. neighbor
- D. dead interval
- E. options

Answer: BCD

NEW QUESTION 117

Click the Exhibit button.

```
user@route> show route 0/0 extensive
inet.0: 20874 destinations, 41585 routes (20873 active, 0 holddown, 1 hidden)
0.0.0.0/0 (2 entries, 1 announced)
TSI:
KRT in-kernel 0.0.0.0/0 -> {indirect (262142)}
OSPF area : 0.0.0.0, LSA ID : 0.0.0.0, LSA type : Extern
  *Aggregate Preference: 130
    Next hop type: Indirect
    Address: 0x157d018
    Next-hop reference count: 36000
    Next hop type: Router, Next hop index: 262143
    Next hop: 172.16.0.1 via ge-0/0/3.0, selected
    Next hop: 172.16.4.5 via ge-0/0/4.0
    Protocol next hop: 172.16.1.1
    Indirect next hop: 139c570 262142
    State: <Active Int Ext>
    Local AS: 14203
    Age: 15:18      Metric2: 0
    Task: Aggregate
    Announcement bits (3): 0-KRT 2-OSPF 7-Resolve tree 2
    AS path: I
      Flags: Generate Resolve Depth: 1      Active
Contributing Routes (7597):
  144.91.0.0/16 proto BGP
  144.243.212.0/24 proto BGP
  144.243.214.0/24 proto BGP
  146.149.32.0/19 proto BGP
  146.222.124.0/24 proto BGP
  146.222.128.0/24 proto BGP
  146.222.134.0/24 proto BGP
  146.222.136.0/24 proto BGP
  146.222.139.0/24 proto BGP
```

Referring to the exhibit, which type of route is displayed?

- A. martian
- B. static
- C. generate
- D. aggregate

Answer: C

NEW QUESTION 118

Which two statements about BPDU protection are correct? (Choose two.)

- A. By default, you must manually clear a BPDU error condition when using BPDU protection.
- B. BPDU protection prevents unauthorized switches from connecting to and participating in your spanning tree topology.
- C. By default, BPDU protection prevents the root bridge from communicating with other STP members unless it receives a superior BPDU first.
- D. BPDU protection requires that STP or RSTP is configured on the switch.

Answer: AB

NEW QUESTION 122

Click the Exhibit button.

```
user@router> show route 192.168.60.0/22
inet.0: 13 destinations, 13 routes (13 active, 0 holddown, 0 hidden)
  + = Active Route, - = Last Active, * = Both
192.168.60.0/22 *[Aggregate/130] 00:02:30
  > to 192.168.1.1 via ge-0/0/1.0
```

Which type of route is shown in the exhibit?

- A. generated
- B. direct
- C. aggregate
- D. static

Answer: A

NEW QUESTION 124

Which two statements about the root bridge election process are correct? (Choose two.)

- A. The highest root bridge priority is preferred over lower root bridge priorities.
- B. The highest root bridge identifier is preferred over lower root bridge identifiers.
- C. The lowest root bridge priority is preferred over higher root bridge priorities.
- D. The lowest root bridge identifier is preferred over higher root bridge identifiers.

Answer: BC

NEW QUESTION 126

Click the Exhibit button.

```
[edit routing-options]
user@router# show | display inheritance no-comments
static {
    defaults {
        preference 20;
    }
    route 0.0.0.0/0 {
        next-hop 172.18.1.1;
        preference 5;
    }
    route 192.168.1.2/32 next-hop 172.20.111.10;
    route 192.168.2.0/30 next-hop [ 172.20.66.2 172.20.77.2 ];
    route 172.20.112.0/24 next-hop [ 172.20.66.2 172.20.77.2 ];
}
```

Which two statements about the configuration shown in the exhibit are correct? (Choose two.)

- A. Two next-hop interfaces should appear in the routing table for the 172.20.112.0/24 prefix.
- B. Multiple equal-cost next hops are installed in the forwarding table for the 192.168.2.0/30 prefix.
- C. The route preference is the same for each static route.
- D. Only the selected next-hop interface should appear in the forwarding table for the 172.20.112.0/24 prefix.

A.

Answer: AD

NEW QUESTION 130

Each PC and IP phone in your network is connected to a switch using the same port. All incoming data traffic is untagged and belongs to the v10 VLAN, while traffic coming from the IP phones is tagged with a VLAN value of 20 and should belong to the v20 VLAN on your switch.

In this scenario, which statement is correct?

- A. You must enable the voice VLAN feature on the incoming interfaces and assign the v20 VLAN.
- B. You must enable an IRB interface and assign it to the v10 and v20 VLANs.
- C. You must enable LLDP-MED on the incoming interfaces and assign the v20 VLAN.
- D. You must enable the guest VLAN feature on the incoming interfaces and assign the v20 VLAN.

Answer: A

NEW QUESTION 132

What are three reasons a BGP route would be hidden? (Choose three.)

- A. The AS Path contains a 0.
- B. It is suppressed by a damping policy.
- C. The Local Preference is 0.
- D. The next hop is unreachable.
- E. It is rejected by a firewall term.

Answer: ABD

NEW QUESTION 137

.....

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