



JN0-347^{Q&As}

Enterprise Routing and Switching, Specialist (JNCIS-ENT)

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**QUESTION 1**

Which two statements are true about OSPF not-so-stubby areas? (Choose two.)

- A. The ASBR originates Type 7 LSA a for redistributed external routes.
- B. Type 5 LSAs are translated by the ASBR into Type 7 LSAs.
- C. The ASBR originates Type 5 LSAs for redistributed external routes.
- D. Type 7 LSAs are translated by the ABR into Type 5 LSAs.

Correct Answer: AD

Redistribution into an NSSA area creates a special type of link-state advertisement (LSA) known as type 7, which can only exist in an NSSA area; An NSSA autonomous system boundary router (ASBR) generates this LSA and an NSSA area border router (ABR) translates it into a type5 LSA, which gets propagated into the OSPF domain.

QUESTION 2

Which device is used to separate collision domains?

- A. switch
- B. router
- C. hub
- D. firewall

Correct Answer: A

Modern wired networks use a network switch to reduce or eliminate collisions. By connecting each device directly to a port on the switch, either each port on a switch becomes its own collision domain (in the case of half duplex links) or the possibility of collisions is eliminated entirely in the case of full duplex links.

QUESTION 3

Which two statements are true about Virtual Chassis? (Choose two.)

- A. It is possible to automatically update the Junos OS on newly added members to participate in the Virtual Chassis
- B. A software version mismatch on a newly added member must be placed in linecard mode.
- C. Virtual Chassis members use VCCP to create a loop-free topology.
- D. The member ID is not preserved through reboots.

Correct Answer: AC

**QUESTION 4**

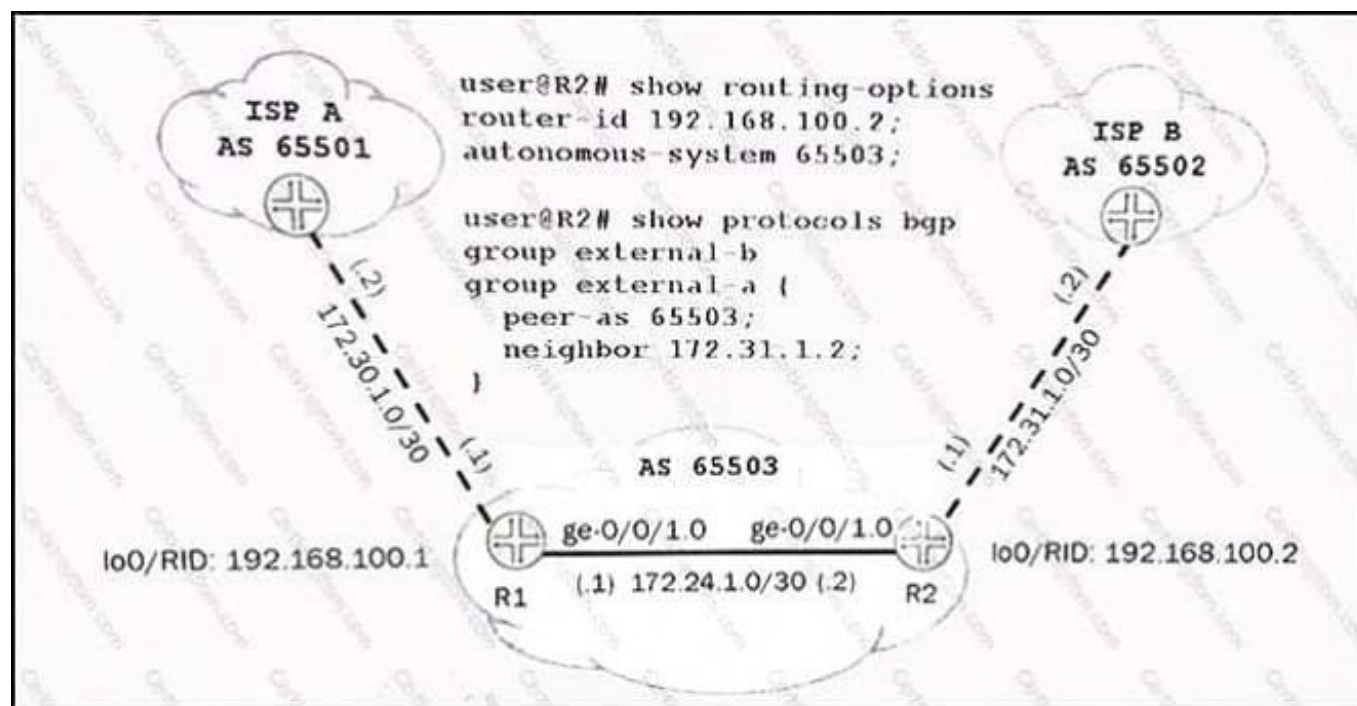
Which three mechanisms are associated with the bridging process? (Choose three.)

- A. pruning
- B. listening
- C. learning
- D. filtering
- E. flooding

Correct Answer: CDE

QUESTION 5

Click the Exhibit button.



You are unable to establish a BGP session between R2 and ISP-B. Referring to the exhibit, what must be changed in the configuration?

- A. A local address statement with the lo0 address must be added to R2 under group external-a;
- B. An import policy statement must be added to R2 under group external-a to allow ISP-B to peer.
- C. The type external statement must be added to R2 under group external-b.
- D. The peer-as statement needs the AS number for ISP-B.

Correct Answer: D

**QUESTION 6**

Which three statements are correct about the voice VLAN feature? (Choose three.)

- A. It allows the access port to accept tagged voice and untagged data packets.
- B. It allows you to apply independent CoS actions to data and voice packets.
- C. It can be used with LLDP-MED to dynamically assign the VLAN ID value to IP phones.
- D. It allows trunk ports to accept tagged voice and untagged data packets.
- E. It must use the same VLAN ID as data traffic on a defined interface.

Correct Answer: ABC

A (not D): The Voice VLAN feature in EX-series switches enables access ports to accept both data (untagged) and voice (tagged) traffic and separate that traffic into different VLANs.

B: To assign differentiated priority to Voice traffic, it is recommended that class of service (CoS) is configured prior to enabling the voice VLAN feature. Typically, voice traffic is treated with a higher priority than common user traffic. Without differentiated treatment through CoS, all traffic, regardless of the type, is subject to the same delay during times of congestion.

C: In conjunction with Voice VLAN, you can utilize Link Layer Discovery Protocol Media Endpoint Discovery (LLDP-MED) to provide the voice VLAN ID and 802.1p values to the attached IP phones. This dynamic method associates each IP phone with the appropriate voice VLAN and assigns the necessary 802.1p values, which are used by CoS, to differentiate service for voice traffic within a network.

QUESTION 7

You are troubleshooting your OSPF configuration and notice that you have subnet mismatch errors when running the show ospf statistics command.

Which two actions would further troubleshoot the errors? (Choose two.)

- A. Examine your interface configuration on impacted devices.
- B. Examine the interface assignment to areas in your OSPF configuration.
- C. Examine the stub configuration for mismatches.
- D. Examine messages from the trace options log file.

Correct Answer: AD

QUESTION 8

Click the Exhibit button.



```
(member:0)  
user@host> show virtual-chassis status brief
```

```
Preprovisioned Virtual Chassis  
Virtual Chassis ID: 4459.3006.09ee  
Virtual Chassis Mode: Mixed
```

Mem ber	ID	Status	Serial No	Model	Mstr prio	Role	Mixed Mode	Route Mode	Neig hbor ID	List Interface
0	(FPC 0)	Prsnt	BP023201555	ex4200-48s	129	Master+	Y	VC	5	vcp-255/1/0
1	(FPC 1)	Prsnt	BP023201555	ex4200-48s	0	Linecard	Y	VC	0	vcp-255/1/0
2	(FPC 2)	Prsnt	BP023201555	ex4200-48s	0	Linecard	Y	VC	1	vcp-255/1/0
3	(FPC 3)	Prsnt	BP023201555	ex4200-48s	0	Linecard	Y	VC	2	vcp-255/1/0
4	(FPC 4)	Prsnt	BP023201555	ex4200-48s	129	Backup	Y	VC	3	vcp-255/1/0
5	(FPC 5)	Prsnt	BP023201555	ex4200-48s	0	Linecard	Y	VC	4	vcp-255/1/0

You have an existing Virtual Chassis consisting of five member devices. Member 3 fails and must be replaced. You remove the EX Series switch with a Member ID and install a replacement switch in its place using identical cabling as shown in the exhibit. The replacement's member ID is 6, so the configuration for member ID 3 is not applied to it. Referring to the exhibit, what should have been done before installing the replacement switch?

- A. Reactivate the Virtual Chassis.
- B. Recycle the member ID of the switch being replaced.
- C. Renumber the member IDs.
- D. Clear the Virtual Chassis protocol.

Correct Answer: B

QUESTION 9

What are three RSTP port states? (Choose three.)

- A. learning
- B. forwarding
- C. listening
- D. blocking
- E. discarding

Correct Answer: ABE

Port States in STP and RSTP



STP (IEEE 802.1D)	RSTP (IEEE 802.1w)
Disabled	Discarding
Blocking	Discarding
Listening	Discarding
Learning	Learning
Forwarding	Forwarding

QUESTION 10

Which two statements are correct about a Virtual Chassis?

- A. A Virtual Chassis is managed using a single virtual console port.
- B. Each device must be managed separately.
- C. All members in a Virtual Chassis must be running the same Junos version.
- D. You must use the same EX Series switch for all members in a Virtual Chassis.

Correct Answer: AC

A: You can connect a PC or laptop directly to a console port of any member switch to set up and configure the Virtual Chassis. When you connect to the console port of any member switch, the console session is redirected to the master switch.

C: In a Virtual Chassis, each member switch must be running the same version of Juniper Networks Junos operating system (Junos OS).

QUESTION 11

Click the Exhibit button. Based on the output shown in the exhibit, which statement is correct?



Exhibit

```
(master:0)
```

```
user@switch> show spanning-tree interface
```

Spanning tree interface parameters for instance 0

Interface Port	Port ID State	Designated Role port ID	Designated bridge ID
Cost			
ge-0/0/8.0	128:521	128:521	
8192.50c58daedb41		200 FWD	DESG
ge-0/0/9.0	64:522	64:522	
8192.50c58daedb41		2000 FWD	DESG
ge-0/0/14.0	240:527	240:527	
8192.50c58daedb41		20000 FWD	DESG
ge-0/0/15.0	128:528	128:528	
8192.50c58daedb41		200000 FWD	DESG

- A. The ge-0/0/9 interface is using the default priority value.
- B. The ge-0/0/15 interface is using the default port cost.
- C. This switch has a bridge priority k.
- D. This switch has been elected as the root bridge.

Correct Answer: B

The default port cost for a 100 Mbit/s interface is 200,000, which is the port cost of the ge-0/0/15 interface. Note: Data rate and default STP path cost

Data rate	STP cost (802.1D-1998)	RSTP cost (802.1W-2004, default value)
100 Mbit/s	19	200 000
1 Gbit/s	4	20 000
2 Gbit/s	3	10 000
10 Gbit/s	2	2 000

QUESTION 12



What is reviewed first in the BGP route selection process?

- A. the peer with the lowest IP address
- B. the route with an origin of incomplete
- C. the path with no MED value
- D. the next-hop resolution

Correct Answer: D

QUESTION 13

Click the Exhibit button.

```
user@R1# show interface lo0 unit 0
family iso {
    address 49.0001.0192.0168.0001.00;
}

user@R2# show interface lo0 unit 0
family iso {
    address 49.0002.0192.0168.0002.00;
}

user@R3# show interface lo0 unit 0
family iso {
    address 49.0003.0192.0168.0003.00;
}

user@R4# show interface lo0 unit 0
family iso {
    address 49.0003.0192.0168.0004.00;
}
```

Referring to the exhibit, which two statements are true regarding IS-IS adjacencies? (Choose two.)

- A. Level 1 adjacencies can be formed between Router 3 and Router 4.
- B. Level 2 adjacencies can be formed between all routers.
- C. Level 2 adjacencies can only be established between Router 1 and Router 2.
- D. No IS-IS adjacencies can be formed.

Correct Answer: AB



QUESTION 14

Which two statements are true about STP port states? (Choose two.)

- A. In the listening state, the port forwards all data packets.
- B. A port that has been administratively disabled under the STP protocol drops all BPDUs.
- C. In the learning state, the port drops all data packets.
- D. A port that has been administratively disabled under the STP protocol floods all BPDUs.

Correct Answer: BC

B: A port in the disabled state is manually isolated from the network. A port in the disabled state does not participate in frame forwarding or the operation of STP because a port in the disabled state is considered non-operational.

C: The learning state is a 15-second interval during which the bridge does not pass user data frames while the bridge is building its bridging table. As the bridge receives frames, it places the source MAC address and port of each frame into the bridging table. The learning state reduces the amount of flooding required when data forwarding begins.

QUESTION 15

Which protocol prevents loops and calculates the best path through a switched network that contains redundant paths?

- A. VRRP
- B. STP
- C. DHCP
- D. IS-IS

Correct Answer: B

Spanning Tree Protocol (STP) is a Layer 2 protocol that runs on bridges and switches. The main purpose of STP is to ensure that you do not create loops when you have redundant paths in your network

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