



300-135^{Q&As}

Troubleshooting and Maintaining Cisco IP Networks

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QUESTION 1

Refer to the exhibit. R1 and R2 are directly connected using interface Ethernet 0/0 on both sides. R1 and R2 were not becoming adjacent, so you have just configured R2 interface Ethernet 0/0 as network type broadcast. Which two statements are true?(choose two)

R1 # show ip ospf interface brief

Interface	PID	Area	IP Address/Mask	Cost	State	Nbrs	F/C
Et 0/0	1	0	192.168.1.1/24	10	DR	1/1	

R1 # show ip ospf neighbor

Neighbor ID	Pri	State	Dead Time	Address	Interface
192.168.1.2	1	FULL/BDR	00:00:37	192.168.1.2	Ethernet 0/0

R2 # show ip ospf interface brief

Interface	PID	Area	IP Address/Mask	Cost	State	Nbrs	F/C
Et 0/0	1	0	192.168.1.2/24	10	BDR	1/1	
Lo 0	1	1	2.2.2.2/32	1	Loop	0/0	

R2 # show ip ospf neighbor

Neighbor ID	Pri	State	Dead Time	Address	Interface
192.168.1.1	1	FULL/DR	00:00:35	192.168.1.1	Ethernet 0/0

- A. Three OSPF routers are in the network segment connected to 192.168.1.0/24
- B. R1 installs a route to 2.2.2.2/32 as O
- C. R2 is not an OSPF ABR
- D. R1 interface Ethernet 0/0 is configured as OSPF type point-to-point
- E. R1 installs a route to 2.2.2.2/32 as O IA
- F. Both routers R1 and R2 are neighbors, and R2 is BDR

Correct Answer: EF

For the option E "R1 installs a route to 2.2.2.2/32 as O IA":

That because the route 2.2.2.2/32 belong to another area (area1).

For the option F "both routers R1 and R2 are neighbors, and R2 IS BDR":

Here clearly the question, say that R1 and R2 are not adjacent, but that not mean they are not neighbors, from the output of "show ip ospf neighbor" command we can see clearly that routers R1 and R2 are neighbors, and actually the R2 is

BDR.



There different between adjacent and neighbor, neighbors" and "adjacent". Two terminologies that doesn't mean the same thing, but can often be misused in a discussion. Neighbors in this case means "show up as neighbors while using the

show ip ospf neighbors command". While "adjacent" means they are fully exchanging topology information.

For further information check the links below:

<https://learningnetwork.cisco.com/message/564573#564573>

<http://blog.ine.com/2008/01/08/understanding-ospf-network-types/>

QUESTION 2

Which statement best describes GRE protocol?

- A. GRE adds the new IP header, encapsulates the original IP packet, and adds the GRE header at the end of the IP packet.
- B. GRE adds the new IP header, inserts the GRE header, and encapsulates the original IP packet.
- C. GRE uses the original IP header and adds the GRE header at the end of the packet.
- D. GRE uses the original IP header and inserts the GRE header between the IP header and payload.

Correct Answer: B

QUESTION 3

Output showing line VTY 0 4 config with an access list applied `ip access-class 1 in`

ip access list permit tcp any any eq 22 ip access list permit tcp any any telnet Cisco engineer is trying to setup secure access to the router but why is SSH failing?

- A. access-list needs to be applied with access-group command.
- B. access-list only allows telnet access.
- C. They're needed to be transport input ssh on line vty 0 4
- D. <https://www.CertBus.com/300-125.html>

Correct Answer: C

QUESTION 4

If you are troubleshooting a spanning-tree loop on a VLAN, which standard troubleshooting approach is most appropriate for identifying the cause of the loop?

- A. divide and conquer



- B. top-down
- C. bottom-up
- D. follow-the-path

Correct Answer: D

QUESTION 5

A question related to Cisco password security.

- A. Enable secret is strong than enable password with 7.
- B. Weaker revisable algorithms that are hashed and encrypted related (with 5 and 7).
- C. <https://www.CertBus.com/300-135.html>

Correct Answer: B

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