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Cisco 300-410 certification exam covers a wide range of topics, including advanced routing protocols, VPN technologies, QoS, and network security. Candidates must have a deep understanding of these topics to pass the exam. 300-410 Exam also requires candidates to have hands-on experience in implementing and managing enterprise network solutions using Cisco technologies.

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Cisco 300-410 certification exam is designed to test an individual's knowledge and skills in implementing advanced routing technologies and services in an enterprise network. 300-410 exam is part of the Cisco Certified Specialist - Enterprise Advanced Infrastructure Implementation certification track and is a requirement for professionals seeking to advance their careers in the IT industry. Implementing Cisco Enterprise Advanced Routing and Services certification validates the candidate's proficiency in implementing and troubleshooting advanced routing protocols such as BGP, OSPF, and EIGRP, among others, and services such as VPN, QoS, and NAT.

Cisco 300-410 Exam covers topics such as advanced routing technologies, including OSPFv2, OSPFv3, BGP, and PIM-SM, as well as advanced services such as QoS, VPN, and infrastructure security. 300-410 exam also requires candidates to demonstrate proficiency in network automation and programmability, including the use of APIs, Python scripting, and network virtualization technologies such as VXLAN.

Cisco Implementing Cisco Enterprise Advanced Routing and Services Sample Questions (Q433-Q438):

NEW QUESTION # 433
Refer to the exhibit.

An OSPF neighbor relationship between R2 and R3 is showing stuck in EXCHANGE/EXSTART state. The neighbor is established between R1 and R2. The network engineer can ping from R2 to R3 and vice versa, but the neighbor is still down. Which action

resolves the issue?

- A. Enable OSPF on the interface, which is required.
- B. Match MTU on both router interfaces or ignore MTU.
- C. Restore the Layer 2/Layer 3 conectivity issue in the ISP network.
- D. Administrative "shut then no shut" both router interfaces.

Answer: B

Explanation:
After two OSPF neighboring routers establish bi-directional communication and complete DR/BDR election (on multi-access networks), the routers transition to the exstart state. In this state, the neighboring routers establish a master/slave relationship and determine the initial database descriptor (DBD) sequence number to use while exchanging DBD packets.
Neighbors Stuck in Exstart/Exchange State
The problem occurs most frequently when attempting to run OSPF between a Cisco router and another vendor's router. The problem occurs when the maximum transmission unit (MTU) settings for neighboring router interfaces don't match. If the router with the higher MTU sends a packet larger that the MTU set on the neighboring router, the neighboring router ignores the packet.

NEW QUESTION # 434
After some changes in the routing policy, it is noticed that the router in AS 45123 is being used as a transit AS router for several service provides. Which configuration ensures that the branch router in AS 45123 advertises only the local networks to all SP neighbors?

- A. ☐
- B. ☐
- C. ☐
- D. ☐

Answer: A

Explanation:
By default BGP advertises all prefixes to external BGP neighbors. This means that if you are multi-homed (connected to two or more ISPs) then you might become a transit AS. For example, ISP 2 in AS 200 can send traffic to your router in AS 100 to reach ISP 3 in AS 300 because you advertised prefixes in ISP 3 to ISP 2.
This is what will be seen in the BGP routing table of ISP1:
☐

NEW QUESTION # 435
Refer to the exhibit.
☐
The output of the trace route from R5 shows a loop in the network. Which configuration prevents this loop?

- A. ☐
- B. ☐
- C. ☐
- D. ☐

Answer: D

Explanation:
The reason for the loop is that R2 is forwarding the packets destined to 10.1.1.1 to R4, instead of R1. This is because in the redistribute OSPF statement, BW metric has a higher value and delay has a value of 1. So, R2 chooses R4 over R1 for 10.1.1.0/24 subnet causing a loop. Now, R5 learns 10.1.1.0/24 from R3 and advertises the same route to R4, that R4 redistributes back in EIGRP. If R3 sets a tag of 1 while redistributing EIGRP in OSPF, and R4 denies all the OSPF routes with tag 1 while redistributing, it will not advertise 10.1.1.0/24 back into EIGRP. Hence, the loop will be broken.

NEW QUESTION # 436
Drag and drop the operations from the left onto the locations where the operations are performed on the right.
☐

Answer:

Explanation:
Explanation
Label Switch Router 1. Reads labels and forwards the packet based on the based on the label.
2. Performs PHP
Label Edge Router: 1 Assigns labels and unlabeled packets.
2. Handles traffic between multiple VPNs

NEW QUESTION # 437
Refer to the exhibit.

An engineer is trying to configure local authentication on the console line, but the device is trying to authenticate using TACACS+. Which action produces the desired configuration?

- A. Add the login authentication Console command to the line configuration
- B. Add the aaa authentication login default group tacacs+ local-case command to the global configuration.
- C. Add the aaa authentication login default none command to the global configuration.
- D. Replace the capital "C" with a lowercase "c" in the aaa authentication login Console local command.

Answer: A

NEW QUESTION # 438
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