

Exam 350-501 Syllabus & Test 350-501 Passing Score



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Cisco 350-501 exam is an essential certification test for professionals who want to demonstrate their expertise in managing and operating service provider networks. 350-501 exam covers a range of topics that are critical for service provider networking, including network automation, virtualization, security, and quality of service. Successful completion of 350-501 Exam will demonstrate an individual's ability to manage and operate service provider networks effectively.

>> Exam 350-501 Syllabus <<

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Cisco 350-501 exam covers a wide range of topics, including service provider architecture and services, network automation, security technologies, and virtualization technologies. Candidates will need to demonstrate their proficiency in these areas by passing the exam, which consists of multiple-choice questions, simulations, and hands-on labs. 350-501 exam is designed to test the candidate's knowledge and ability to implement and operate core technologies in a service provider network.

The Implementing and Operating Cisco Service Provider Network Core Technologies is a comprehensive exam that covers a wide range of topics such as network architecture, routing, MPLS, VPN services, and network automation. 350-501 Exam is designed to assess the abilities of networking professionals in network implementation and troubleshooting.

Cisco Implementing and Operating Cisco Service Provider Network Core Technologies Sample Questions (Q277-Q282):

NEW QUESTION # 277

Refer to the exhibit.

□ Which configuration must be applied to each of the four routers on the network to reduce LDP LIB size and advertise label bindings for the /32 loopback IP space only?

□

- A. Option B
- B. Option D
- C. Option C
- D. Option A

Answer: D

NEW QUESTION # 278

According to RFC5305 on IS-IS extensions for traffic engineering, what is the 4-octet sub-TLV type 10 of extended IS-IS reachability TLV type 22?

- A. maximum reservable link bandwidth
- B. administrative group (color)
- C. IPv4 neighbor address
- D. TE default metric

Answer: B

Explanation:

According to RFC 5305, the 4-octet sub-TLV type 10 within the extended IS-IS reachability TLV type 22 is used to represent the administrative group, often referred to as "color." This sub-TLV is a 4-octet bitmap used in traffic engineering to specify link attributes or constraints, allowing traffic to be directed based on specific policies or requirements. This is commonly used in MPLS-TE and other traffic engineering applications.

NEW QUESTION # 279

An engineer is implementing NSR with OSPF on a large campus that requires high availability. Which task must an engineer perform to complete the process with minimal disruption to traffic?

- A. Ensure that the dual HP has synchronized their state information before performing the switchover operation.
- B. increase the keepalive interval on the OSPF neighbours so that traffic continues to pass during the switchover.
- C. Configure the device to repopulate state information using routing updates received from the BDR
- D. Reset OSPF neighbour sessions to maintain state information during router switchover

Answer: A

NEW QUESTION # 280

What is the primary capability of Inter-AS VPN?

- A. providing multicast support between different service-provider networks
- B. providing load balancing across multiple AS networks in the same VPN service
- C. providing end-to-end encryption for traffic passing through multiple AS networks
- D. providing end-to-end VPN services across multiple service-provider networks

Answer: D

Explanation:

Inter-AS VPN is primarily designed to extend VPN services across multiple Autonomous Systems (AS) or service provider networks. This capability is critical when customers require connectivity between geographically dispersed sites served by different service providers or ASes.

Key Features:

End-to-End Connectivity:

- Enables seamless VPN service for customers whose networks span multiple service providers.
- Supports Layer 3 VPNs using MPLS, ensuring consistent communication between sites.

Use Cases:

- Enterprises with global operations that rely on multiple ISPs to connect their branches.
- Service providers collaborating to deliver VPN services for mutual customers.

NEW QUESTION # 281

Refer to the exhibit:

□ After implementing a new design for the network, a technician reviews the pictured CLI output as part of the MOP. Which two statements describe what the technician can ascertain from the `lspNull` output? (Choose two.)

- A. Label 0 is used for the prefix displayed and will be part of the MPLS label stack for packets destined for 192.168.10.10
- B. Ultimate Hop Popping is in use for the prefix displayed.
- C. Label 3 is in use for the prefix displayed and will be part of the MPLS label stack for packets destined for 192.168.10.10
- D. Penultimate Hop Popping is in use for the prefix displayed
- E. Label 0 is used for the prefix displayed but will not be part of the MPLS label stack for packets destined for 192.168.10.10.

Answer: C,D

NEW QUESTION # 282

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