

Quiz 2025 Authoritative Cisco 300-425: 100% Designing Cisco Enterprise Wireless Networks Accuracy

Cisco 300-425 Designing Cisco Enterprise Wireless Networks
ID: 300-425 New Exam - Page 01

Unique, Full Length Exams - New Cisco 300-425 Practice Exams

A minor mistake may cost you to lose about even 10% on your 300-425 exam. So we build these exams to make sure you pass the 300-425 exam with flying colors. All of our 300-425 practice exams can be answered in under 30 minutes and contain 20 questions. Each question has three answers with clarity by themselves and are interconnected with each other to understand.

WLAN High Availability

The questions from this section cover 20% of the entire content and are dedicated to evaluating the following abilities of the candidate:

- Design high availability for a wireless network using dual gateway redundancy through LACs.
- Understand roaming, as well as, 802.11r, concurrent priority & roaming density.
- Design high availability for APs, including fail-back, primary, secondary, and roaming summary and AP prioritization.

Cisco Designing Cisco Enterprise Wireless Networks Sample Questions (Q39-064):

NEW QUESTION # 58
A company has 10 access point locations available on their design Cisco WLC and their primary Cisco WLC is at full capacity. 5 access points are set to high failure priority and 2 access points are set to critical failure priority. During a failure, are all critical access points failed over to the backup Cisco WLC. Which statement is true in the same situation?
A. All access points fail over to the backup Cisco WLC.
B. The high priority access points are prioritized.
C. The critical priority access point count is overwhelming.
D. Secondary priority is set to disable.

Answer: B

Explanation:
Explanation:
<https://www.cisco.com/c牒nsh/htmلىnviews/wireless/cisco-designing-cisco-enterprise-wireless-networks-new-exam-01.pdf>

NEW QUESTION # 60
A network engineer is designing a wireless network to support real-time applications over wireless. Which IEEE protocol must the engineer enable on the WLC, so that the number of packets that are managed between an access point and client are reduced and the roaming occurs?
A. 802.11e
B. 802.11n

Answer: A

Explanation:
Explanation:
<https://www.cisco.com/c牒nsh/htmلىnviews/wireless/cisco-designing-cisco-enterprise-wireless-networks-new-exam-01.pdf>

P.S. Free & New 300-425 dumps are available on Google Drive shared by PrepPDF: <https://drive.google.com/open?id=1i8yEvMhlgSFZWLoT7TWgjyHRJ8NLEiH>

In order to prevent your life from regret and remorse, you should seize every opportunity which can change lives possibly. Did you do it? PrepPDF's Cisco 300-425 exam training materials can help you to achieve your success. We can help you pass the Cisco 300-425 Exam smoothly. In order not to let success pass you by, do it quickly.

Cisco 300-425 Exam is an essential certification exam for professionals who are looking to specialize in designing enterprise wireless networks. 300-425 exam is designed to test the candidate's knowledge and skills in various wireless network technologies, network design principles, and network architecture. To pass the exam, candidates must have hands-on experience in deploying and managing wireless networks and a deep understanding of wireless network design principles and best practices.

>> 100% 300-425 Accuracy <<

300-425 Study Material | Braindumps 300-425 Pdf

The free demos of our 300-425 study materials show our self-confidence and actual strength about study materials in our company. Besides, our company's website purchase process holds security guarantee, so you needn't be anxious about download and install our 300-425 Exam Questions. With our company employees sending the link to customers, we ensure the safety of our 300-425

guide braindumps that have no virus.

Cisco 300-425 Certification Exam is specifically designed to test the knowledge and skills of network engineers in designing enterprise wireless networks. Designing Cisco Enterprise Wireless Networks certification exam is part of the Cisco Certified Specialist - Enterprise Wireless Design certification program, which is targeted at professionals who are involved in designing and implementing wireless networks in enterprise environments.

Cisco 300-425 exam is designed for professionals who are responsible for designing, implementing, and maintaining wireless networks in an enterprise environment. Candidates must have a solid understanding of wireless network design principles and should be familiar with Cisco wireless technologies such as Wireless LAN Controllers (WLCs), Access Points (APs), and Mobility Express solutions. They should also be proficient in conducting site surveys, selecting appropriate wireless technologies, and designing wireless networks for high availability, scalability, and security.

Cisco Designing Cisco Enterprise Wireless Networks Sample Questions (Q130-Q135):

NEW QUESTION # 130

DRAG DROP

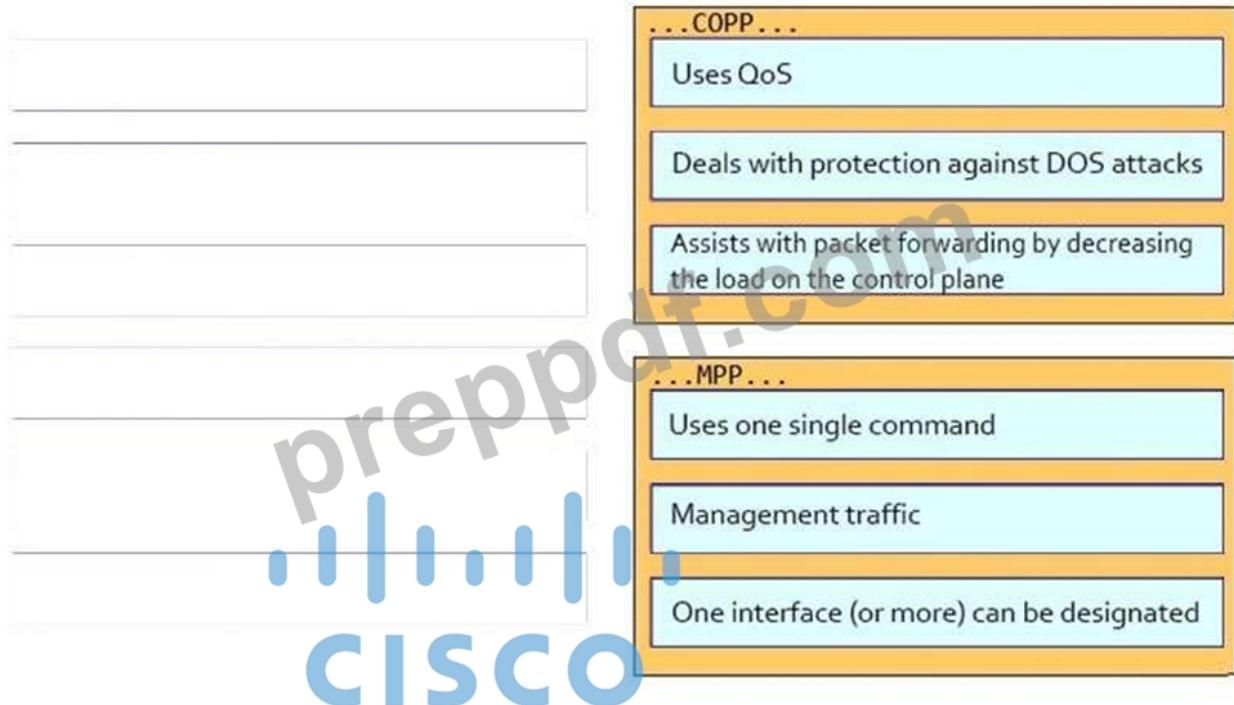
Select and Place:

- Management traffic
- Deals with protection against DOS attacks
- Uses one single command
- Assists with packet forwarding by decreasing the load on the control plane
- Uses QoS
- One interface (or more) can be designated



Answer:

Explanation:



Explanation:

CoPP and MPP

<https://www.cisco.com/c/en/us/about/security-center/copp-best-practices.html> Control Plane Policing (CoPP) - CoPP is the Cisco IOS-wide route processor protection mechanism. As illustrated in Figure 2, and similar to rACLs, CoPP is deployed once to the punt path of the router. However, unlike rACLs that only apply to receive destination IP packets, CoPP applies to all packets that punt to the route processor for handling. CoPP therefore covers not only receive destination IP packets, it also exceptions IP packets and non-IP packets. In addition, CoPP is implemented using the Modular QoS CLI (MQC) framework for policy construction. In this way, in addition to simply permit and deny functions, specific packets may be permitted but rate-limited. This behavior substantially improves the ability to define an effective CoPP policy. (Note: that "Control Plane Policing" is something of a misnomer because CoPP generally protects the punt path to the route processor and not solely the control plane.) CoPP Policy Construction and Deployment Concepts Before describing the details of CoPP policy construction and deployment, some of the important details related to MQC and its operation, especially within the context of CoPP are discussed.

In MQC, the class-map command is used to define a traffic class. A traffic class contains three major elements: a name, one or a series of match commands, and an instruction on how to evaluate these match commands. Match commands are used to specify various criteria for classifying packets. Packets are checked to see whether they match the criteria specified in the match commands. If a packet matches the specified criteria, that packet is considered a member of the class and is treated according to the QoS specifications set in the service policy. Packets that fail to meet any of the matching criteria are classified as members of the default class.

The instruction for evaluating match commands is specified as either match-any or match-all. When more than one match statement is included, match-any requires that a packet match at least one of the statements to be included in the class. If match-all is used, a packet must match all of the statements to be included in the class.

The policy-map command is used to associate a traffic class, defined by the class-map command, with one or more QoS policies. The result of this association is called a service policy. A service policy contains three elements: a name, a traffic class (specified with the class command), and the QoS policies. The purpose of the service policy is to associate a traffic class with one or more QoS policies. Classes included within policy maps are processed top-down. When a packet is found to match a class, no further processing is performed. That is, a packet can only belong to a single class, and it is the first one to which a match occurs. When a packet does not match any of the defined classes, it is automatically placed in the class class-default. The default class is always applied, whether it is explicitly configured or not.

The service-policy command is used to attach the service policy, as specified with the policy-map command, to an interface. In the case of CoPP, this is the control-plane interface. Because the elements of the service policy can be applied to packets entering, or in some versions of CoPP, leaving the interface, users are required to specify whether the service policy characteristics should be applied to incoming or outgoing packets.

It is important to note that MQC is a general framework used for enabling all QoS throughout Cisco IOS, and not exclusively for CoPP. Not all features available within the MQC framework are available or applicable to CoPP policies. For example, only certain classification (match) criteria are applicable to CoPP. In some instances, there are MQC platform and/or IOS-dependencies that may apply to CoPP. Consult the appropriate product references and configuration guides for any CoPP-specific dependencies.

Constructing the CoPP Policy

Deploying the CoPP Policy

Verifying the CoPP Policy

Tuning the CoPP Policy

https://www.cisco.com/c/en/us/td/docs/ios/12_4t/12_4t11/htsecmpp.html#wp1049321 Management Plane The management plane is the logical path of all traffic related to the management of a routing platform. One of three planes in a communication architecture that is structured in layers and planes, the management plane performs management functions for a network and coordinates functions among all the planes (management, control, data). The management plane also is used to manage a device through its connection to the network.

Examples of protocols processed in the management plane are Simple Network Management Protocol (SNMP), Telnet, HTTP, Secure HTTP (HTTPS), and SSH. These management protocols are used for monitoring and for CLI access. Restricting access to devices to internal sources (trusted networks) is critical.

Benefits of the Management Plane Protection Feature

Implementing the MPP feature provides the following benefits:

- Greater access control for managing a device than allowing management protocols on all interfaces
- Improved performance for data packets on nonmanagement interfaces
- Support for network scalability
- Simplifies the task of using per-interface ACLs to restrict management access to the device
- Fewer ACLs needed to restrict access to the device
- Management packet floods on switching and routing interfaces are prevented from reaching the CPU

NEW QUESTION # 131

An enterprise is using the wireless network as the main network connection for corporate users and guests. To ensure wireless network availability, two standalone controllers are installed in the head office. APs are connected to the controllers using a round-robin approach to load balance the traffic. After a power cut, the wireless clients disconnect while roaming. An engineer tried pinging from the controller but fails. Which protocol needs to be allowed between the networks that the controllers are installed?

- A. IP Protocol 67
- B. IP Protocol 97
- C. IP Protocol 77
- D. IP Protocol 87

Answer: B

NEW QUESTION # 132

A wireless network consultant must assess an existing wireless LAN controller. Which section must the consultant check before replacing the old APs with APs that are IEEE 802.11ac-capable?

- A. number of AP licenses
- B. software version
- C. throughput capacity
- D. controller PSU

Answer: B

Explanation:

Before replacing old APs with IEEE 802.11ac-capable APs, it is crucial to check the software version of the wireless LAN controller. The controller's firmware must support the newer standards and capabilities of 802.11ac APs. An outdated software version may not support the advanced features and performance enhancements offered by 802.11ac technology, leading to compatibility issues and suboptimal network performance.

References: CCNP Enterprise Wireless Design ENWLSD 300-425 and Implementation ENWLSI 300-430 Official Cert Guide Premium Edition and Practice.

NEW QUESTION # 133

An engineer has successfully configured high availability and SSO using two Cisco 5508 Wireless LAN Controllers. The engineer can access the Active Primary WLC, but the Secondary Standby WLC is not accessible. Which two methods allow access to the standby unit? (Choose two.)

- A. SSH to the management interface of the primary WLC

- B. via the console connection
- C. SSH to the virtual interface of the secondary WLC
- D. **SSH to the service port interface**
- E. SSH to the redundancy management interface of the primary WLC

Answer: B,D

Explanation:

In a high availability setup with Cisco 5508 Wireless LAN Controllers, the standby controller can be accessed via the console connection and the service port interface. The console provides direct access, while the service port interface allows for network-based access to the standby unit for management purposes.

Once SSO is enabled, the Standby WLC can be accessed via **console connection or via SSH on the service port and on the redundant management interface.**

NEW QUESTION # 134

A company has 10 access point licenses available on their backup Cisco WLC and their primary Cisco WLC is at full capacity, 5 access points are set to high failover priority and 7 access points are set to critical failover priority. During a failure, not all critical access points failed over to the backup Cisco WLC. Which configuration is the cause of this issue?

- A. network ap-priority is set to disable.
- B. **The high priority access point is oversubscribed.**
- C. The critical priority access point count is oversubscribed.
- D. network ap-priority is set to enable.

Answer: B

Explanation:

Explanation

<https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2016/pdf/BRKCOL-2275.pdf>

NEW QUESTION # 135

.....

300-425 Study Material: <https://www.preppdf.com/Cisco/300-425-prepaway-exam-dumps.html>

- 300-425 Latest Dumps Files 300-425 Training Solutions 300-425 Training Solutions Download “300-425” for free by simply entering  www.real4dumps.com  website Valid 300-425 Test Question
- 300-425 Reliable Study Material - 300-425 Test Training Pdf- 300-425 Valid Pdf Practice Easily obtain  300-425 for free download through  www.pdfvce.com Visual 300-425 Cert Exam
- Enhance Your Preparation with Cisco 300-425 Practice Test Engine Open website  www.testsimulate.com  and search for  300-425  for free download 300-425 Real Exam Answers
- 300-425 Training Solutions Valid 300-425 Test Prep Visual 300-425 Cert Exam Copy URL  www.pdfvce.com  open and search for  300-425 to download for free 300-425 Training Solutions
- Valid free 300-425 exam answer collection - 300-425 real vce Copy URL  www.testkingpdf.com  open and search for  300-425 to download for free 300-425 Reliable Mock Test
- 300-425 Latest Dumps Files 300-425 Reliable Source 300-425 Valid Exam Tips  Copy URL  www.pdfvce.com  open and search for “300-425” to download for free 300-425 Real Exam Answers
- Valid free 300-425 exam answer collection - 300-425 real vce Simply search for  300-425 for free download on  www.itcerttest.com  300-425 Valid Exam Tips
- Visual 300-425 Cert Exam 300-425 Instant Discount 300-425 Instant Discount Search for “300-425” and download it for free immediately on  www.pdfvce.com Valid Test 300-425 Testking
- Valid 300-425 Test Answers Original 300-425 Questions 300-425 New Dumps Free Search for  300-425  on  www.lead1pass.com immediately to obtain a free download 300-425 Reliable Dumps Sheet
- 300-425 Latest Dumps Files 300-425 Latest Dumps Files Valid 300-425 Test Question  www.pdfvce.com  is best website to obtain 300-425 for free download 300-425 Reliable Dumps Sheet
- Enhance Your Preparation with Cisco 300-425 Practice Test Engine  www.examcollectionpass.com is best website to obtain  300-425 for free download 300-425 Valid Exam Bootcamp
- ncon.edu.sa, nogorweb.com, www.stes.tyc.edu.tw, palangshim.com, billfor6581.thezenweb.com, elearning.eauqardho.edu.so, www.yungongdi.cn, hker2uk.com, www.stes.tyc.edu.tw, icgrowth.io, Disposable vapes

P.S. Free & New 300-425 dumps are available on Google Drive shared by PrepPDF: <https://drive.google.com/open?id=1i8yEvMhlgSFZWLoT7TWgjyHRJ8NLEiH>