

300-425 Preparation Materials and Study Guide: Designing Cisco Enterprise Wireless Networks - DumpsActual



Designing Cisco Enterprise Wireless Networks v1.0 [300-425]

Exam Description: Designing Cisco Enterprise Wireless Networks v1.0 (ENWLSD 300-425) is a 90-minute exam associated with the CCNP Enterprise Certification. This exam certifies a candidate's knowledge of wireless network design including site surveys, wired and wireless infrastructure, mobility and WLAN high availability. The course, Designing Cisco Enterprise Wireless Networks, helps candidates to prepare for this exam.

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. To better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

25%	1.0	Wireless Site Survey
	1.1	Collect design requirements and evaluate constraints
	1.1.a	Client density
	1.1.b	Real time applications
	1.1.c	AP type
	1.1.d	Deployment type (data, location, voice, video)
	1.1.e	Security
	1.2	Describe material attenuation and its effect on wireless design
	1.3	Perform and analyze a Layer 1 site survey
	1.4	Perform a pre-deployment site survey
	1.5	Perform a post deployment site survey
	1.6	Perform a predictive site survey
	1.7	Utilize planning tools and evaluate key network metrics (Ekahau, AirMagnet, Pi, Chanalyzer, Spectrum Analyzer)
30%	2.0	Wired and Wireless Infrastructure
	2.1	Determine physical infrastructure requirements such as AP power, cabling, switch port capacity, mounting, and grounding
	2.2	Determine logical infrastructure requirements such as WLC/AP licensing requirements based on the type of wireless architecture
	2.3	Design radio management
	2.3.a	RRM
	2.3.b	RF profiles

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Cisco 300-425 exam covers various topics related to wireless network design, including site surveys, WLAN high availability, advanced location services, and wireless security. 300-425 exam also assesses one's ability to integrate wireless networks with wired networks and other network services. Designing Cisco Enterprise Wireless Networks certification exam is a part of the Cisco Certified Specialist – Enterprise Wireless Design track, which is a professional-level certification designed for experienced network professionals.

Cisco 300-425 Exam is a computer-based exam that consists of 60-70 multiple-choice and simulation questions. 300-425 exam is designed to test the candidate's abilities in designing and implementing complex wireless networks. 300-425 exam is administered by Pearson VUE and can be taken at any Pearson VUE testing center. 300-425 exam fee is \$400 and the exam duration is 90 minutes.

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The content of our 300-425 practice engine is based on real exam by whittling down superfluous knowledge without delinquent mistakes rather than dropping out of reality. Being subjected to harsh tests of market, our 300-425 exam questions are highly the manifestation of responsibility carrying out the tenets of customer oriented. And our 300-425 Study Materials are warmly praised and welcomed by the customers all over the world.

Cisco Designing Cisco Enterprise Wireless Networks Sample Questions (Q151-Q156):

NEW QUESTION # 151

A network engineer is asked to configure a "site-to-site" Isec VPN tunnel. One of the last things that the engineer does is to configure an access list (access-list 1 permit any) along with the command ip nat inside source list 1 int s0/0 overload. Which functions do the two commands serve in this scenario?

- A. The command ip nat inside source list 1 int s0/0 overload disables "many-to-one" access for all devices on a defined segment to share a single IP address upon exiting the external interface.
- B. The command access-list 1 defines interesting traffic that is allowed through the tunnel.
- C. The command ip nat inside source list 1 int s0/0 overload provides "many-to-one" access for all devices on a defined segment to share a single IP address upon exiting the external interface.
- D. The command access-list 1 permit any defines only one machine that is allowed through the tunnel.

Answer: C

Explanation:

Configuring NAT to Allow Internal Users to Access the Internet Using Overloading

```
NAT Router
interface Ethernet 0
ip address 10.10.10.1 255.255.255.0
ip nat inside
!
!---- Defines Ethernet 0 with an IP address and as a NAT inside interface.

Interface Ethernet 1
ip address 10.10.20.1 255.255.255.0
ip nat inside
!
!---- Defines Ethernet 1 with an IP address and as a NAT inside interface.

Interface serial 0
ip address 172.16.10.64 255.255.255.0
ip nat outside
!
!---- Defines serial 0 with an IP address and as a NAT outside interface.

ip nat pool ovrd 172.16.10.1 172.16.10.1 prefix 24
!
!---- Defines a NAT pool named ovrd with a range of a single IP
!---- address, 172.16.10.1.

ip nat inside source list 7 pool ovrd overload
!
!
!
!---- Indicates that any packets received on the inside interface that
!---- are permitted by access-list 7 has the source address
!---- translated to an address out of the NAT pool named ovrd.
!---- Translations are overloaded, which allows multiple inside
!---- devices to be translated to the same valid IP address.

Access-list 7 permit 10.10.10.0 0.0.0.31
access-list 7 permit 10.10.20.0 0.0.0.31
!
!---- Access-list 7 permits packets with source addresses ranging from
!---- 10.10.10.0 through 10.10.10.31 and 10.10.20.0 through 10.10.20.31.
```

Note in the previous second configuration, the NAT pool "ovrd" only has a range of one address. The keyword overload used in the ip nat inside source list 7 pool ovrd overload command allows NAT to translate multiple inside devices to the single address in the pool.

Reference: http://www.cisco.com/en/US/tech/tk648/tk361/technologies_tech_note09186a0080094e77.shtml

NEW QUESTION # 152

An engineer must perform a Layer 2 survey for a mining facility. Which type of antenna does the engineer use in the mine shaft?

- A. dipole
- B. internal
- C. patch
- D. omnidirectional

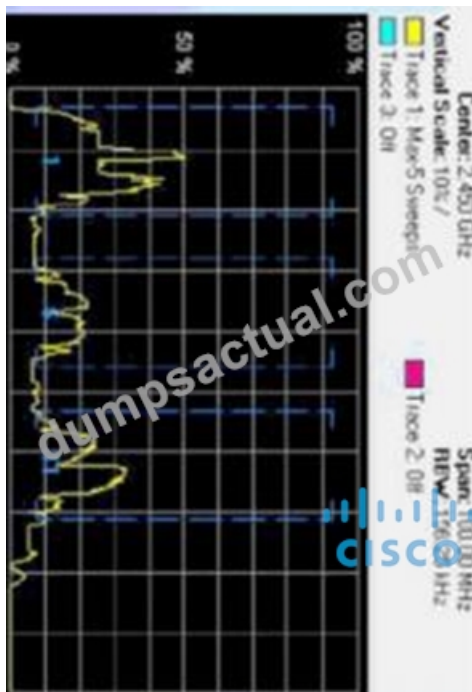
Answer: C

Explanation:

Mine shafts are long narrow corridors, you would get more use out of a patch antenna as you don't require signal in all directions and the gain increase to reach further down the shaft.

NEW QUESTION # 153

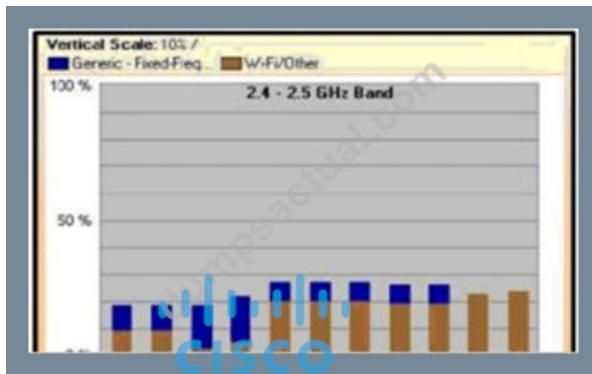
An engineer is performing a Layer 1 passive wireless site survey utilizing a channel analyzer software in the 2.4 GHz spectrum. Which chart indicates the ratio of interference present during the duration of the capture?



- A.



- B.

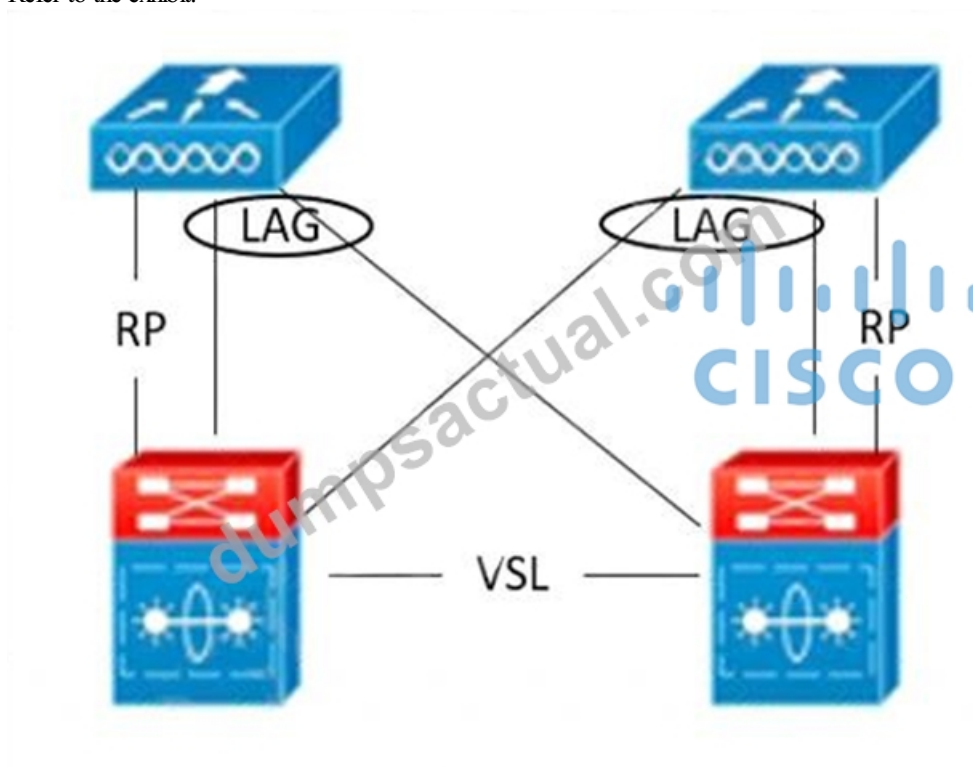


- C.

Answer: A

NEW QUESTION # 154

Refer to the exhibit.



A WLC SSO pair is set up. Which failure scenario causes a split-brain scenario?

- A. Two distribution ports on the active WLC are down.
- B. RP is down.
- C. One distribution port on the active WLC is down.
- **D. VSL is down.**

Answer: D

Explanation:

The Virtual Switching Link (VSL) is essential for communication between the active and standby Wireless LAN Controllers (WLCs) in a Stateful Switch Over (SSO) setup. If the VSL goes down, it can lead to a split-brain scenario where both WLCs assume they are active, causing network disruptions and inconsistencies in client handling. References: Designing Cisco Enterprise Wireless Networks (ENWLSN 300-425) Official Cert Guide.

NEW QUESTION # 155

An engineer is working for a manufacturing company that has a centralized deployment model. Guests at headquarters need wireless access for presentations, demonstrations, and sharing of information. The engineer must provide external users with secure guest

access by connecting to anchor controllers on the DMZ. Auto-Anchor Mobility has been selected in the mobility group to accomplish it. Both anchors are configured as part of the mobility group for HQ. Which design approach ensures that clients connect to the primary controller first and are pushed to the secondary if the primary fails?

- A. Configure ECMP but weigh the cost to be higher to go to the secondary.
- B. Set the Anchor priority for the secondary controller to 1.
- C. Configure ECMP but weigh the cost to be higher to go to the primary.
- **D. Set the Anchor priority for the primary controller to 1.**

Answer: D

NEW QUESTION # 156

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The memory needs clues, but also the effective information is connected to systematic study, in order to deepen the learner's impression, avoid the quick forgetting. Therefore, we can see that in the actual 300-425 exam questions, how the arrangement plays a crucial role in the teaching effect. The 300-425 Study Guide in order to allow the user to form a complete system of knowledge structure, the qualification 300-425 examination of test interpretation and supporting course practice organic reasonable arrangement together.

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