300-430 $^{Q\&As}$

Implementing Cisco Enterprise Wireless Networks (ENWLSI)

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QUESTION 1

An IT department receives a report of a stolen laptop and has information on the MAC address of the laptop. Which two settings must be set on the wireless infrastructure to determine its location? (Choose two.)

A. Location History for Visitors must be enabled on the MSE.

B. Location History for Clients must be enabled on the MSE.

C. Location History for Rogue APs and Rogue Clients must be enabled on the MSE.

D. Client location tracking must be enabled on the MSE.

E. Tracking optimization must be enabled on the WLC.

Correct Answer: AE

QUESTION 2

During the EAP process and specifically related to the client authentication session, which encrypted key is sent from the RADIUS server to the access point?

A. WPA key

B. session key

C. encryption key

D. shared-secret key

Correct Answer: B

QUESTION 3

The security policy mandates that only controller web management traffic is allowed from the IT subnet. In testing, an engineer is trying to connect to a WLAN with Web Authentication for guest users, but the page is timing out on the wireless

client browser.

What is the cause of this issue?

A. Web Authentication Redirect is supported only with Internet Explorer, and the client is using Google Chrome.

B. The DNS server that is configured on the controller is incorrect

C. Web Authentication Redirect is not supported with CPUACLS. QUE

D. The implemented CPU ACL on the controller is blocking HTTP/HTTPS traffic from the guest clients.

Correct Answer: D

QUESTION 4

An enterprise has recently deployed a voice and video solution available to all employees using AireOS controllers. The employees must use this service over their laptops, but users report poor service when connected to the wireless network. The programs that consume bandwidth must be identified and restricted. Which configuration on the WLAN aids in recognizing the traffic?

A. NetFlow Monitor

B. AVC Profile

C. QoS Profile

D. Application Visibility

Correct Answer: D

QUESTION 5

An engineer is adding APs to an existing VoIMLAN to allow for location based services. Which option will the primary change be to the network?

A. increased transmit power on all APs

B. moving to a bridging model

C. AP footprint

D. cell overlap would decrease

E. triangulation of devices

Correct Answer: C

QUESTION 6

An engineer wants the wireless voice traffic class of service to be used to determine the queue order for packets received, and then have the differentiated services code point set to match when it is resent to another port on the switch. Which configuration is required in the network?

A. Platinum QoS configured on the WLAN

B. WMM set to required on the WLAN

C. mls qos trust dscp configured on the controller switch port

D. mls qos trust cos configured on the controller switch port

Correct Answer: D

"When you enter the mls qos trust cos command on a port, the switch uses the CoS marking on incoming packets in order to put the packet in the right queue. When the packet is resent, the switch makes the DSCP value correspond to the CoS." See: https://www.cisco.com/c/en/us/support/docs/wireless-mobility/voice-over-wireless-lan-vowlan/116056-technote-qos-00.html#anc3

QUESTION 7

An engineer is using Cisco Prime Infrastructure reporting to monitor the state of security on the WLAN. Which output is produced when the Adaptive wIPS Top 10 AP report is run\\'?

A. last 10 wIPS events from sniffer mode APs

B. last 10 wIPS events from monitor mode APs

C. last of 10 sniffer mode APs with the most wIPS events

D. last of 10 monitor mode APs with the most wIPS events

Correct Answer: B

QUESTION 8

A customer managing a large network has implemented location services. Due to heavy load, it is needed to load balance the data coming through NMSP from the WLCs. Load must be spread between multiple CMX servers to help optimize the data flow for Aps. Which configuration in CMX meets this requirement?

A. cmxctl config feature flags nmsplb.cmx-ap-grouping true

B. cmxctl config feature flags nmsplb.cmxgrouping true

C. cmxctl config feature flags nmsplb.cmx-loadbalance true

D. cmxctl config feature flags nmsplb.cmx-rssi-distribute true

Correct Answer: B

Reference: https://www.cisco.com/c/en/us/td/docs/wireless/mse/10-6/cmx_command/cmxcli106/cmxcli1051_chapter_010.html#wp7273815000 https://www.cisco.com/c/en/us/support/docs/wireless/connected-mobile-experiences/214894-optimize-cmx-performance.html

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QUESTION 9

A network engineer has been hired to perform a new MSE implementation on an existing network. The MSE must be installed in a different network than the Cisco WLC. Which configuration allows the devices to communicate over NMSP?

A. Allow UDP/16113portonthe central switch.

B. Allow TCP/16666 port on the router.

C. Allow TCP/16113 port on the firewall.

D. Allow UDP/16666 port on the VPN router.

Correct Answer: C

https://www.cisco.com/en/US/docs/wireless/mse/3350/6.0/CAS/configuration/guide/msecg_ch4_C AS.html

QUESTION 10

A customer is experiencing performance issues with its wireless network and asks a wireless engineer to provide information about all sources of interference and their impacts to the wireless network over the past few days. Where can the requested information be accessed?

A. CleanAir reports on Cisco Prime Infrastructure

B. Performance reports on Cisco Prime Infrastructure

C. Interference Devices reports on Cisco Wireless LAN Controller

D. Air Quality reports on Cisco Wireless LAN Controller

Correct Answer: A

https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/Apr2014/CVD-CampusCleanAirDesignGuide-APR14.pdf

QUESTION 11

Which AP model of the Cisco Aironet Active Sensor is used with Cisco DNA Center?

A. 1800s

B. 3600e

C. 3800s

D. 4800i

Correct Answer: A

https://www.cisco.com/c/en/us/products/collateral/wireless/aironet-active-sensor/guide-c07-743929.html

QUESTION 12

An enterprise has two WLANs configured on WLC. It is reported that when converting APs to FlexConnect mode, WLAN A works but WLAN B does not. When converting APs to local mode, WLAN B works, but WLAN A does not. Which action is needed to complete this configuration?

A. Create a Cisco FlexConnect group with WLAN-VLAN mapping.

B. Disable local switching on the WLANs.

C. Map the AP group to the WLAN interface.

D. Join the APs to a Cisco FlexConnect group.

Correct Answer: A

QUESTION 13

An IT team is growing quickly and needs a solution for management device access. The solution must authenticate users from an external repository instead of the current local on the WLC, and it must also identify the user and determine what level of access users should have.

Which protocol do you recommend to achieve these goals?

A. network policy server

B. RADIUS

C. TACACS+

D. LDAP
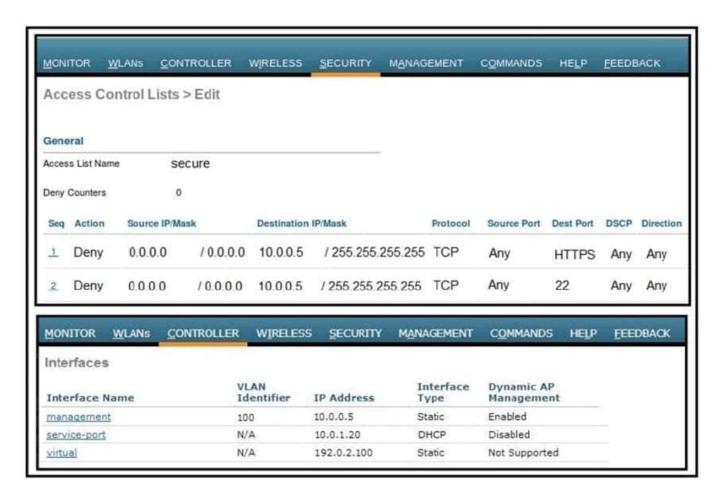
Correct Answer: C

https://www.cisco.com/c/en/us/td/docs/switches/lan/Denali_161/ConfigExamples_Technotes/Techzone_Articles/Example_and_Technotes_Denali_16_1_1/Example_and_Technotes_ Denali_16_1_1_chapter_010110.pdf https://community.cisco.com/t5/wireless-mobility-documents/wlc-and-acs-5-x-tacacs-configuration-example-web-authentication/ta-p/3120681

QUESTION 14

Refer to the exhibit.

An engineer implemented the CPU ACL on your Cisco 5520 Series Wireless LAN Controller, and the controller is no longer manageable via the network. What must be changes on this CPU ACL to enable it to manage the controller again?

A. Line 1 must be set to a destination port of HTTP

B. Permit statements must be added to the top of the ACL in both directions, which specify the network to be managed from and the virtual interface of the controller.

C. Line 1 must be set to the inbound direction. 2

D. Permit statements must be added to the top of the ACL, which specify the network to be managed from

Correct Answer: B

QUESTION 15

An engineer is assembling a PCI report for compliance purposes and must include missed best practices that are related to WLAN controllers. The engineer has access to all WLCs, Cisco MSE, and Cisco Prime Infrastructure. Which method most efficiently displays a summary of inconsistencies?

A. WLC running-config

B. Cisco Prime Infrastructure monitoring

C. Cisco Prime Infrastructure reporting

D. WLC logs

Correct Answer: B