

300-430^{Q&As}

Implementing Cisco Enterprise Wireless Networks (ENWLSI)

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QUESTION 1

ALLAR A network engineer must segregate all iPads on the guest WLAN to a separate VLAN.

How does the engineer accomplish this task without using Cisco ISE?

- A. Enable RADIUS DHCP profiling on the WLAN.
- B. Create a local policy on the WLC.
- C. Use an mDNS profile for the iPad device.
- D. Use 802.1x authentication to profile the devices

Correct Answer: B

QUESTION 2

What is the default IEEE 802.1x AP authentication configuration on a Cisco Catalyst 9800 Series Wireless Controller?

- A. EAP-PEAP with 802.1x port authentication
- B. EAP-TLS with 802.1x port authentication
- C. EAP-FAST with CAPWAP DTLS + port authentication
- D. EAP-FAST with CAPWAP DTLS

Correct Answer: C

https://www.cisco.com/c/en/us/td/docs/wireless/controller/ewc/1612/configguide/ewc_cg_16_12/802_1x_support.pdf

QUESTION 3

What is the maximum time range that can be viewed on the Cisco DNA Center issues and alarms page?

- A. 3 hours
- B. 24 hours
- C. 3 days
- D. 7 days

Correct Answer: D

(7 Days is the max, you can select)

https://www.cisco.com/c/en/us/td/docs/cloud-systems-management/network-automation-and-management/dna-center-assurance/1-2-10/b_cisco_dna_assurance_1_2_10_ug/b_cisco_dna_assurance_1_2_10_ug_chapter_01101.html#task_e1s_qn2_ycb

QUESTION 4

In a Cisco WLAN deployment, it is required that all APs from branch 1 remain operational even if the control plane CAPWAP tunnel is down because of a WAN failure to headquarters.

Which operational mode must be configured on the APs?

- A. Disconnected
- B. Connected
- C. Lightweight
- D. Standalone

Correct Answer: D

QUESTION 5

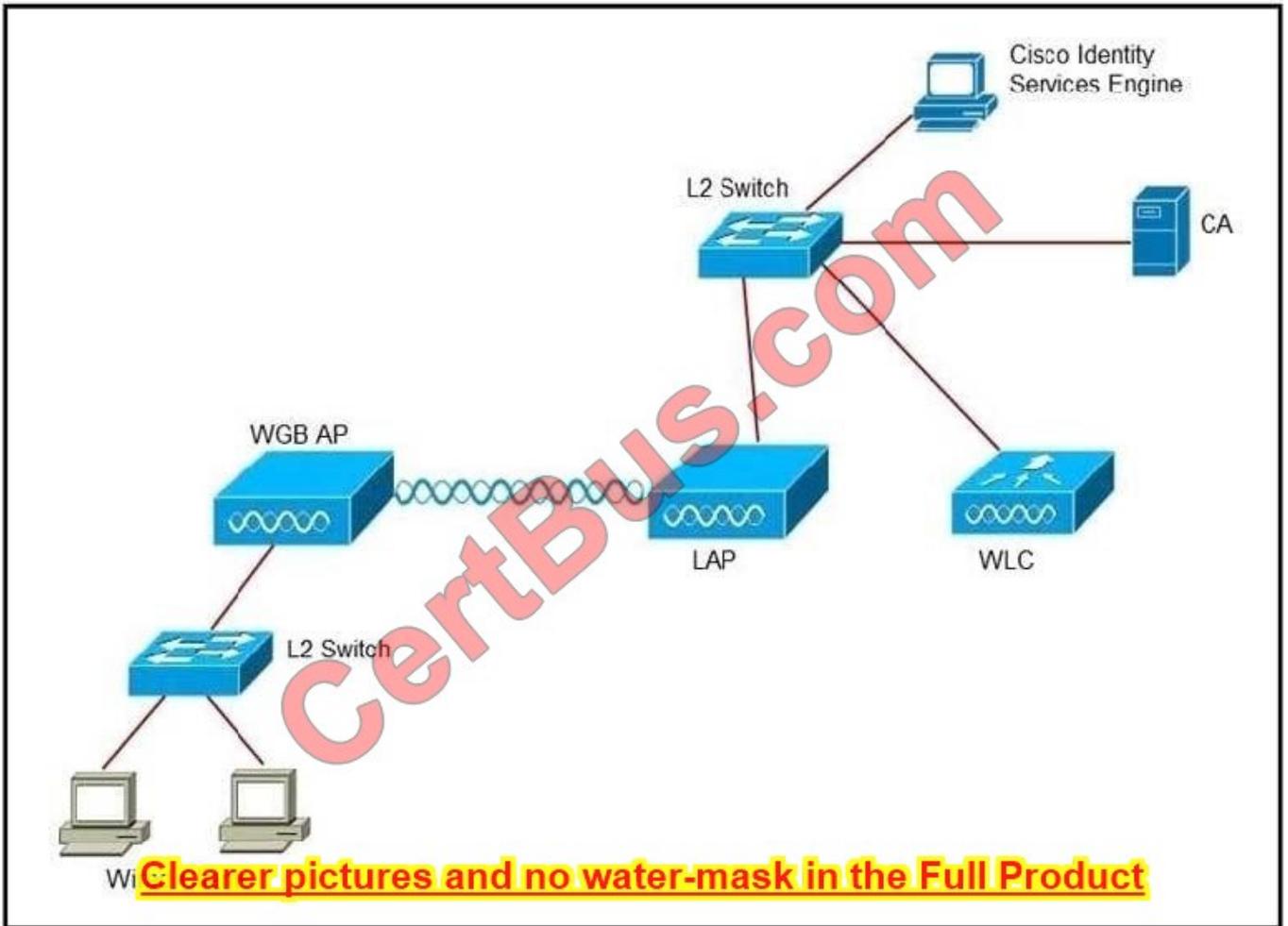
An engineer just added a new MSE to Cisco Prime Infrastructure and wants to synchronize the MSE with the Cisco 5520 WLC, which is located behind a firewall in a DMZ. It is noticed that NMSP messages are failing between the two devices. Which traffic must be allowed on the firewall to ensure that the MSE and WLC can communicate using NMSP?

- A. TCP 1613
- B. UDP 16113
- C. TCP 16113
- D. UDP 1613

Correct Answer: C

QUESTION 6

Refer to the exhibit.



An engineer must connect a fork lift via a WGB to a wireless network and must authenticate the WGB certificate against the RADIUS server. Which three steps are required for this configuration? (Choose three.)

- A. Configure the certificate, WLAN, and radio interface on WGB.
- B. Configure the certificate on the WLC.
- C. Configure WLAN to authenticate using ISE.
- D. Configure the access point with the root certificate from ISE.
- E. Configure WGB as a network device in ISE.
- F. Configure a policy on ISE to allow devices to connect that validate the certificate.

Correct Answer: ACF

<https://mrnciew.com/2018/05/25/wgb-with-peap/>

QUESTION 7

Cisco MSE Model	Location	wIPS
MSE 3365 (physical appliance)	5000 APs	10000 APs
MSE 3355 (physical appliance)	2500 APs	6000 APs
High-End MSE virtual appliance (vMSE)	5000 APs	10000 APs
Standard vMSE	2500 APs	6000 APs
Low-End vMSE	2500 APs	6000 APs

A Cisco CMX 3375 appliance on the 10.6.1 version code counts duplicate client entries, which creates wrong location analytics. The issue is primarily from iOS clients with the private MAC address feature enabled. Enabling this feature requires an upgrade of the Cisco CMX 3375 appliance in a high availability pair to version 10.6.3. SCP transfers the Cisco CMX image, but the upgrade script run fails. Which configuration change resolves this issue?

- A. Upgrade the high availability pair to version 10.6.2 image first and then upgrade to version 10.6.3.
- B. Save configuration and use the upgrade script to upgrade the high availability pair without breaking the high availability.
- C. Break the high availability using the cmxha config disable command and upgrade the primary and secondary individually.
- D. Run root patch to first upgrade to version 10.6.2 and then migrate to version 10.6.3.

Correct Answer: C

<https://www.cisco.com/c/en/us/support/docs/availability/high-availability/213664-configure-cmx-high-availability.html>

QUESTION 8

Which statement about the VideoStream/Multicast Direct feature is true?

- A. IP multicast traffic is reliable over WLAN by default as defined by the IEEE 802.11 wireless multicast delivery mechanism.
- B. Each VideoStream client acknowledges receiving a video IP multicast stream.
- C. It converts the unicast frame to a multicast frame over the air.
- D. It makes the delivery of the IP multicast stream less reliable over the air, but reliable over Ethernet.

Correct Answer: B

The Media Stream **Clearer pictures and no water-mask in the Full Product** cast frame over the air. Each Media stream client acknowledges receiving a video IP multicast stream.

QUESTION 9

After looking in the logs, an engineer notices that RRM keeps changing the channels for non-IEEE 802.11 interferers. After surveying the area, it has been decided that RRM should not change the channel. Which feature must be enabled to ignore non-802.11 interference?

- A. Avoid Cisco AP Load
- B. Avoid Persistent Non-WiFi Interference
- C. Avoid Foreign AP Interference
- D. Avoid Non-802.11 Noise

Correct Answer: B

Check the Avoid Non-802.11a (802.11b) Noise check box to cause the controller's RRM algorithms to consider noise (non-802.11 traffic) in the channel when assigning channels to lightweight access points, or uncheck it to disable this feature. For example, RRM may have access points avoid channels with significant interference from nonaccess point sources, such as microwave ovens. The default value is selected. Check the Avoid Persistent Non-WiFi Interference check box to configure the controller to stop ignoring persistent non-Wi-Fi interference in new channel calculation. The persistent non-Wi-Fi interference is considered during the metric calculation for channels.

https://www.cisco.com/c/en/us/td/docs/wireless/controller/9800/configure-guide/b_wi_16_10_cg/radio-resource-management.html

https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-6/config-guide/b_cg86/radio_resource_management.html

QUESTION 10

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/16113 port on the 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_CAS.html

QUESTION 11

An engineer has implemented 802.1x authentication on the wireless network utilizing the internal database of a RADIUS server. Some clients reported that they are unable to connect. After troubleshooting, it is found that PEAP authentication is failing. A debug showed the server is sending an Access-Reject message. Which action must be taken to resolve authentication?

- A. Use the user password that is configured on the server.
- B. Disable the server certificate to be validated on the client.
- C. Update the client certificate to match the user account.
- D. Replace the client certificates from the CA with the server certificate.

Correct Answer: B

https://www.cisco.com/en/US/docs/security/ise/1.0/user_guide/ise10_troubleshooting.html

QUESTION 12

Which three properties are used for client profiling of wireless clients? (Choose three.)

- A. HTTP user agent
- B. DHCP
- C. MAC OUI
- D. hostname
- E. OS version
- F. IP address

Correct Answer: ABC

Reference: <https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/7-5/NativeProfiling75.html>

QUESTION 13

All APs are receiving multicast traffic, instead of only the APs that need it. What is the cause of this problem?

- A. The multicast group includes all APs
- B. The wrong multicast address was used
- C. The multicast group is assigned the wrong VLAN
- D. Multicast IGMP snooping is not enabled

Correct Answer: D

https://www.cisco.com/c/en/us/td/docs/wireless/controller/74/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_01011.html

QUESTION 14

An engineer is setting up a WLAN to work with a Cisco ISE as the AAA server. The company policy requires that all users be denied access to any resources until they pass the validation. Which component must be configured to achieve this stipulation?

- A. AAA override
- B. preauthentication ACL
- C. WPA2 passkey
- D. CPU ACL

Correct Answer: A

<http://mvwxiscoxom\\c/en/us/support/docs/wjreless-rnability/wlan-security/71978-acl-wic.pdf>

QUESTION 15

What is the difference between PIM sparse mode and PIM dense mode?

- A. Sparse mode supports only one switch. Dense mode supports multiswitch networks.
- B. Sparse mode floods. Dense mode uses distribution trees.
- C. Sparse mode uses distribution trees. Dense mode floods.
- D. Sparse mode supports multiswitch networks. Dense mode supports only one switch.

Correct Answer: C

Clearer pictures and no water-mask in the Full Product

PIM dense mode (PIM-DM) uses a push model to flood multicast traffic.

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipmulti_pim/configuration/xe-16/imc-pim-xe-16-book/imc-tech-overview.html

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