Number: 300-430
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Exam Code: 300-430
Exam Name: Implementing Cisco Enterprise Wireless Networks (ENWLSI)

Exam A

QUESTION 1
When implementing self-registration for guest/BYOD devices, what happens when an employee tries to connect four devices to the network at the same time?

A. The last device is removed and the newly added device is updated as active device.
B. The registration is allowed, but only one device is connected at any given time.
C. All devices are allowed on the network simultaneously.
D. Purge time dictates how long a device is registered to the portal.

Correct Answer: B
Section:

QUESTION 2
What is an important consideration when implementing a dual SSID design for BYOD?

A. After using the provisioning SSID, an ACL that used to make the client switch SSIDs forces the user to associate and traverse the network by MAC filtering.
B. If multiple WLCs are used, the WLAN IDs must be exact for the clients to be provisioned and traverse the network correctly.
C. SSIDs for this setup must be configured with NAC State-RADIUS NAC for the clients to authenticate with Cisco ISE, or with NAC State-ISE NAC for Cisco ISE to associate the client.
D. One SSID is for provisioning and the other SSID is for gaining access to the network. The use of an ACL should not be enforced to make the client connect to the REAL SSID after provisioning.

Correct Answer: D
Section:

QUESTION 3
Refer to the exhibit.

```
(Cisco WLC) >show dhcp proxy

DHCP ProxyBehaviour: enabled

!
interface Vlan63
  ip address 10.10.63.252/22
  description Dot1x_BYOD
  no shutdown
!
```

A network administrator deploys the DHCP profiler service in two ISE servers: 10.3.10.101 and 10.3.10.102. All BYOD devices connecting to WLAN on VLAN63 have been incorrectly profiled and are assigned as unknown profiled endpoints. Which action efficiently rectifies the issue according to Cisco recommendations?

A. Nothing needed to be added on the Cisco WLC or VLAN interface. The ISE configuration must be fixed.
B. Disable DHCP proxy on the Cisco WLC.
C. Disable DHCP proxy on the Cisco WLC and run the ip helper-address command under the VLAN interface to point to DHCP and the two ISE servers.
D. Keep DHCP proxy enabled on the Cisco WLC and define helper-address under the VLAN interface to point to the two ISE servers.

Correct Answer: C
Section:

QUESTION 4
On a branch office deployment, it has been noted that if the FlexConnect AP is in standalone mode and loses connection to the WLC, all clients are disconnected, and the SSID is no longer advertised.
Considering that FlexConnect local switching is enabled, which setting is causing this behavior?

A. ISE NAC is enabled
B. 802.11r Fast Transition is enabled
C. Client Exclusion is enabled
D. FlexConnect Local Auth is disabled

Correct Answer: D
Section:

QUESTION 5
An engineer must implement intrusion protection on the WLAN. The AP coverage is adequate and on-channel attacks are the primary concern. The building is historic, which makes adding APs difficult. Which AP mode and submode must be implemented?

A. AP mode: local, AP submode: none
B. AP mode: monitor, AP submode: WIPS
C. AP mode: monitor, AP submode: none
D. AP mode: local, AP submode: WIPS

Correct Answer: D
Section:

QUESTION 6
An engineer is implementing a FlexConnect group for access points at a remote location using local switching but central DHCP. Which client feature becomes available only if this configuration is changed?

A. multicast
B. static IP
C. fast roaming
D. mDNS

Correct Answer: B
Section:

QUESTION 7
A FlexConnect remote office deployment is using five 2702i APs indoors and two 1532i APs outdoors.
When a code upgrade is performed and FlexConnect Smart AP Image Upgrade is leveraged, but no FlexConnect Master AP has been configured, how many image transfers between the WLC and APs will occur?

A. 1
B. 2
C. 5
D. 7

Correct Answer: B

Section:

QUESTION 8
Where is a Cisco OEAP enabled on a Cisco Catalyst 9800 Series Wireless Controller?

A. RF Profile
B. Flex Profile
C. Policy Profile
D. AP Join Profile

Correct Answer: B
Section:

QUESTION 9
When configuring a Cisco WLC, which CLI command adds a VLAN with VLAN ID of 30 to a FlexConnect group named BranchA-FCG?

A. config flexconnect BranchA-FCG vlan 30 add
B. config flexconnect BranchA-FCG vlan add 30
C. config flexconnect group BranchA-FCG vlan 30 add
D. config flexconnect group BranchA-FCG vlan add 30

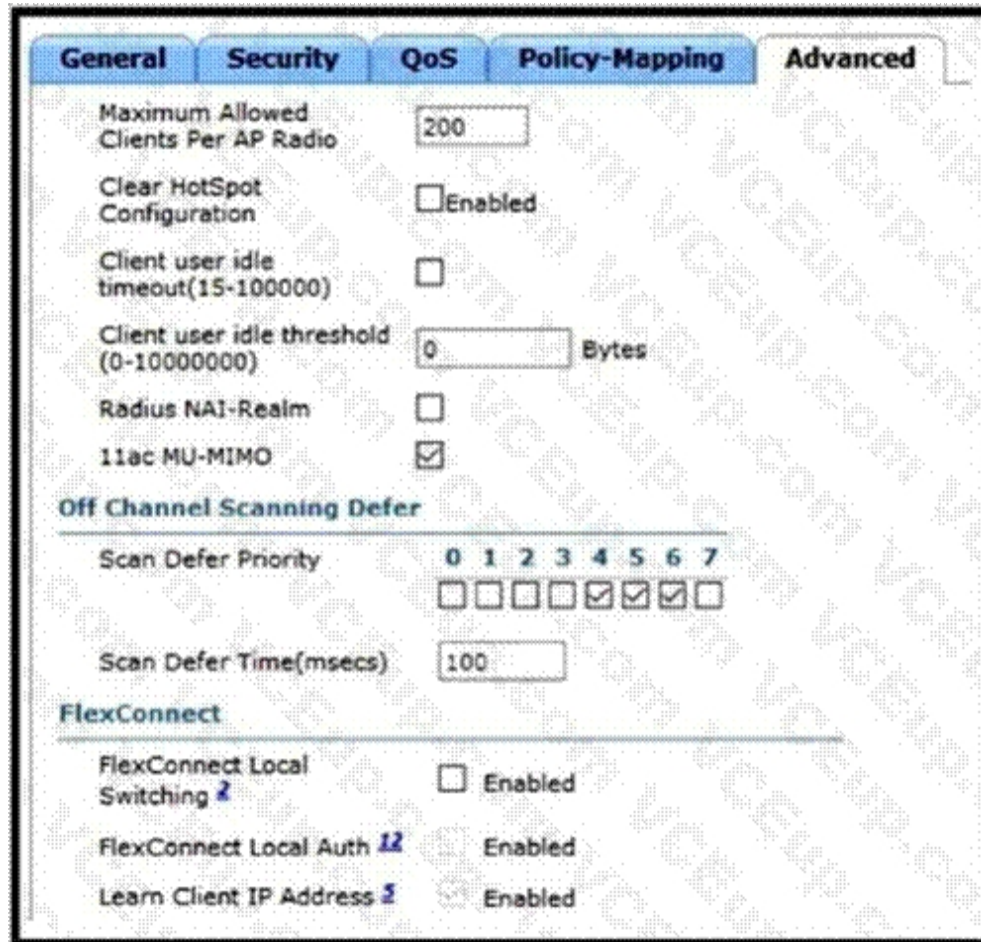**Correct Answer: D**
Section:

QUESTION 10
Refer to the exhibit.

A customer has implemented Cisco FlexConnect deployments with different WLANs around the globe and is opening a new branch in a different location. The engineer's task is to execute all the wireless configuration and to suggest how to configure the switch ports for new APs. Which configuration must the switching team use on the switch port?

A. trunk mode

B. access mode

C. single VLAN

D. multiple VLAN

Correct Answer: A
Section:

QUESTION 11
A corporation is spread across different countries and uses MPLS to connect the offices. The senior management wants to utilize the wireless network for all the employees. To ensure strong connectivity and minimize delays, an engineer needs to control the amount of traffic that is traversing between the APs and the central WLC. Which configuration should be used to accomplish this goal?

A. FlexConnect mode with central switching enabled

B. FlexConnect mode with central authentication

C. FlexConnect mode with OfficeExtend enabled

D. FlexConnect mode with local authentication

Correct Answer: D
Section:

QUESTION 12

An engineer configures a Cisco Aironet 600 Series OfficeExtend AP for a user who works remotely.
What is configured on the Cisco WLC to allow the user to print a printer on his home network?

A. split tunneling
B. SE-connect
C. FlexConnect
D. AP failover priority

Correct Answer: A
Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/support/docs/wireless/aironet-602-officeextend-accesspoint/117540-configure-splittunneloeap-00.html

QUESTION 13
An engineer must configure a Cisco WLC to support Cisco Aironet 600 Series OfficeExtend APs. Which two Layer 2 security options are supported in this environment? (Choose two.)

A. Static WEP + 802.1X
B. WPA+WPA2
C. Static WEP
D. CKIP
E. 802.1X

Correct Answer: B, C
Section:

QUESTION 14
An organization is supporting remote workers in different locations. In order to provide wireless network connectivity and services, OfficeExtend has been implemented. The wireless connectivity is working, but users report losing connectivity to their local network printers. Which solution must be used to address this issue?

A. OEAP gateway override
B. OEAP split tunnel
C. WLAN static IP tunneling
D. FlexConnect local switching

Correct Answer: B
Section:

QUESTION 15
What is configured to use more than one port on the OEAP to extend the wired network?

A. remote LAN ACL
B. AAA override
C. client load balancing
D. remote LAN

Correct Answer: D
Section:

QUESTION 16
An engineer must implement Cisco Identity-Based Networking Services at a remote site using ISE to dynamically assign groups of users to specific IP subnets. If the subnet assigned to a client is available at the remote site, then traffic must be offloaded locally, and subnets are unavailable at the remote site must be tunneled back to the WLC. Which feature meets these requirements?

A. learn client IP address

B. FlexConnect local authentication

C. VLAN-based central switching

D. central DHCP processing

Correct Answer: C
Section:

QUESTION 17
An engineer must configure Cisco OEAPs for three executives. As soon as the NAT address is configured on the management interface, it is noticed that the WLC is not responding for APs that are trying to associate to the internal IP management address. Which command should be used to reconcile this?

A. config flexconnect office-extend nat-ip-only disable

B. config network ap-discovery nap-ip-only enable

C. config flexconnect office-extend nat-ip-only enable

D. config network ap-discovery nat-ip-only disable

Correct Answer: D
Section:

QUESTION 18
An engineer is responsible for a wireless network for an enterprise. The enterprise has distributed offices around the globe, and all APs are configured in FlexConnect mode. The network must be configured to support 802.11r and CCKM.
What needs to be implemented to accomplish this goal?

A. Enable VLAN-based central switching.

B. Enable FlexConnect local authentication.

C. Enable FlexConnect local switching.

D. Create FlexConnect groups.

Correct Answer: D
Section:

QUESTION 19
A corporation has employees working from their homes. A wireless engineer must connect 1810 OEAP at remote teleworker locations. All configuration has been completed on the controller side, but the network readiness is pending. Which two configurations must be performed on the firewall to allow the AP to join the controller? (Choose two.)

A. Block UDP ports 1812 and 1813 on the firewall.

B. Enable NAT Address on the 5520 with an Internet-routable IP address.

C. Configure a static IP on the OEAP 1810.

D. Allow UDP ports 5246 and UDP port 5247 on the firewall.

E. Allow UDP ports 12222 and 12223 on the firewall.

Correct Answer: B, D
Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/8-3/b_Cisco_OfficeExtend_Access_Point_.pdf

QUESTION 20
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
Section:

QUESTION 21
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. msl qos trust dscp configured on the controller switch port
D. msl qos trust cos configured on the controller switch port

Correct Answer: C
Section:

QUESTION 22
When using a Cisco Catalyst 9800 Series Wireless Controller, which statement about AutoQoS is true?

A. It has a set of predefined profiles that you cannot modify further
B. It matches traffic and assigns each matched packet to QoS groups
C. It automates deployment of wired QoS and makes wireless QoS implementation easier
D. It allows the output policy map to put specific QoS queues into specific subgroups

Correct Answer: B
Section:

QUESTION 23
A network engineer is deploying 8865 IP phones with wireless clients connected to them. In order to apply the appropriate QoS, the IP voice traffic needs to be distinguished from client data traffic.
Which switch configuration feature must be enabled?

A. Voice VLAN
B. QBSS
C. WME

D. QoS routing

Correct Answer: A
Section:

QUESTION 24
A network engineer wants to implement QoS across the network that supports multiple VLANs. All the APs are connected to switch ports and are configured in local mode. Which trust model must be configured on the switch ports to which the APs are connected?

A. CoS

B. WMM UP

C. DSCP

D. IPP

Correct Answer: C
Section:

QUESTION 25
An enterprise started using WebEx as a virtual meeting solution. There is a concern that the existing wireless network will not be able to support the increased amount of traffic as a result of using WebEx. An engineer needs to remark the QoS value for this application to ensure high quality in meetings. What must be implemented to accomplish this task?

A. QoS preferred call index

B. UP to DSCP map

C. AVC profiles

D. WLAN quality of service profile

Correct Answer: C
Section:
Explanation:
Reference: https://www.ciscolive.com/c/dam/r/ciscolive/apjc/docs/2018/pdf/BRKEWN-3003.pdf

QUESTION 26
A corporation has a wireless network where all access points are configured in FlexConnect. The WLC has a Data WLAN and a VoWiFi WLAN implemented where centrally-switched SSID is configured for the APs. Which QoS configuration must be implemented for the wireless packets to maintain the marking across the wired and wireless network?

A. Set QoS to Platinum.

B. Enable CAC.

C. Allow WMM.

D. Trust DSCP.

Correct Answer: D
Section:

QUESTION 27
A company is collecting the requirements for an on-premises event. During the event, a wireless client connected to a dedicated WLAN will run a video application that will need on average 391595179 bits per second to function properly.
What is the QoS marking that needs to be applied to that WLAN?

A. Platinum

B. Gold

C. Silver

D. Bronze

Correct Answer: B
Section:

QUESTION 28
Refer to the exhibit. Which two items must be supported on the VoWLAN phones to take full advantage of this WLAN configuration? (Choose two.)

A. TSPEC

B. SIFS

C. 802.11e

D. WMM

E. APSD

Correct Answer: C, D
Section:

QUESTION 29
An engineer must use Cisco AVC on a Cisco WLC to prioritize Cisco IP cameras that use the wireless network. Which element do you configure in a rule?

A. permit-ACL

B. WMM required

C. mark

D. rate-limit

Correct Answer: C
Section:

QUESTION 30
An IT administrator is managing a wireless network in which most devices are Apple iOS. A QoS issue must be addressed on the WLANs. Which configuration must be performed?

A. Enable Fastlane globally under Wireless > Access Points > Global Configuration.
B. Create a new AVC Profile named AUTOQOS-AVC-PROFILE and apply to all WLANs.
C. Enable Fastlane under each WLAN setting.
D. Enable WMM TSPEC/TCLAS negotiation under Wireless > Advanced.

Correct Answer: C
Section:
Explanation:
Reference: https://www.cisco.com/c/dam/en/us/td/docs/wireless/controller/technotes/8-3/Optimizing_WiFi_Connectivity_and_Prioritizing_Business_Apps.pdf

QUESTION 31
What is the Cisco recommended configuration for a Cisco switch port connected to an AP in local mode for optimal voice over WLAN performance with an 8821 wireless phone?

A. switchport encapsulation dot1q switchport mode trunk mls qos trust device cisco-phone
B. switchport mode access mls qos trust device cisco-phone
C. switchport mode access mls qos trust cos
D. switchport mode access mls qos trust dscp

Correct Answer: C
Section:
Explanation:
Reference:
https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/cuipph/8821/english/Deployment/8821_wlandg.pdf

QUESTION 32
An engineer has configured Media Stream on the WLC and must guarantee at least 2 Mbps stream per user. Which RRC template should the engineer use?

A. coarse
B. medium
C. low
D. ordinary

Correct Answer: B
Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_0101010.html

QUESTION 33
Refer to the exhibit.

```
AL-CORE#show mls qos map cos-dscp
  Cos-dscp map:
        cos: 1  2  3  4  5  6  7
        -------------------------
        dscp: 8 16 24 32 45 48 56
```

Which COS to DSCP map must be modified to ensure that voice traffic is tagged correctly as it traverses the network?

A. COS of 6 to DSCP 46
B. COS of 3 to DSCP 26
C. COS of 7 to DSCP 48
D. COS of 5 to DSCP 46

Correct Answer: D
Section:

QUESTION 34
Which QoS level is recommended for guest services?

A. gold
B. bronze
C. platinum
D. silver

Correct Answer: B
Section:

QUESTION 35
An engineer wants to configure WebEx to adjust the precedence and override the QoS profile on the WLAN. Which configuration is needed to complete this task?

A. Change the WLAN reserved bandwidth for WebEx
B. Create an AVC profile for WebEx
C. Create an ACL for WebEx
D. Change the AVC application WebEx-app-sharing to mark

Correct Answer: B
Section:

QUESTION 36
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
Section:

QUESTION 37
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
Section:

QUESTION 38
An engineer has been hired to implement a way for users to stream video content without having issues on the wireless network. To accomplish this goal, the engineer must set up a reliable way for a Media Stream to work between Cisco FlexConnect APs. Which feature must be enabled to guarantee delivery?

A. Unicast Direct
B. IGMP Direct
C. Multicast Direct
D. Multicast-to-Unicast Direct

Correct Answer: C
Section:

QUESTION 39
A network engineer observes a spike in controller CPU overhead and overall network utilization after multicast is enabled on a controller with 500 APs. Which feature corrects the issue?

A. controller IGMP snooping
B. multicast AP multicast mode
C. broadcast forwarding
D. unicast AP multicast mode

Correct Answer: B
Section:

QUESTION 40
An engineer is configuring multicast for wireless for an all-company video meeting on a network using EIGRP and BGP within a single domain from a single source. Which type of multicast routing should be implemented?

A. Protocol Independent Multicast Dense Mode
B. Source Specific Multicast
C. Multicast Source Discovery Protocol
D. Protocol Independent Multicast Sparse Mode

Correct Answer: D
Section:

QUESTION 41
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
Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/configurationguide/b_cg81/multicast_broadcast_setup.html

QUESTION 42
Which configuration is applied to prevent the network from a Layer 2 flooding of multicast frames with a seamless transfer of multicast data to the client when roaming from one controller to another?

A. Enable IGMPv3 on the central Layer 3 switch.

B. Enable IGMP snooping on the WLC.

C. Enable multicast mode on the WLC.

D. Create multicast groups on the central Layer 3 switch.

Correct Answer: B
Section:

QUESTION 43
An engineer is configuring multicast for two WLCs. The controllers are in different physical locations and each handles around 500 wireless clients. How should the CAPWAP multicast group address be assigned during configuration?

A. Each WLC must be assigned a unique multicast group address.

B. Each WLC management address must be in the same multicast group.

C. Both WLCs must be assigned the same multicast group address.

D. Each WLC management address must be in a different multicast group.

Correct Answer: A
Section:

QUESTION 44
A wireless network has been implemented to enable multicast video to be streamed reliably over the wireless link to the wireless users. After a client reports that the video is unable to stream, the administrator determines that the client is connecting at a data rate of 12 Mbps and is trying to stream to a valid multicast address on the network. Which two actions must be applied? (Choose two.)

A. Turn off IGMP snooping for all the configured WLANs on the controller.

B. Implement video-stream for the multicast video on the controller.

C. Allow multicast-direct to work correctly and multicast-direct to be enabled globally.

D. Change the WLAN QoS value to Bronze for the WLAN that multicast will be enabled.

E. Allow RTSP to stream the video due to wireless multicast not using acknowledgements.

Correct Answer: B, C

QUESTION 45
Which two restrictions are in place with regards to configuring mDNS? (Choose two.)

A. mDNS uses only UDP port 5436 as a destination port.

B. mDNS cannot use UDP port 5353 as the destination port.

C. mDNS is not supported on FlexConnect APs with a locally switched WLAN.

D. Controller software must be newer than 7.0.6+.

E. mDNS is not supported over IPv6.

Correct Answer: C, D
Section:

QUESTION 46
A network engineer needs to configure multicast in the network. The implementation will use multiple multicast groups and PIM routers. Which address provides automatic discovery of the best RP for each multicast group?

A. 224.0.0.13

B. 224.0.0.14

C. 224.0.1.39

D. 224.0.1.40

Correct Answer: D
Section:

QUESTION 47
A shopping center uses AireOS controllers with Cisco Wave 2 APs. A separate WLAN named Guest- 012345678-WLAN is used for guest wireless clients. Management needs location analytics to determine popular areas. CMX must track only associated clients. What must be selected on the CMX server settings?

A. Exclude probing clients

B. Duty Cycle Cutoff

C. Enable Locally Administered MAC Filtering

D. Enable Location MAC Filtering

Correct Answer: A
Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/wireless/mse/10-6/cmx_config/b_cg_cmx106/the_cisco_cmx_detect_and_locate_service.html#id_123333

QUESTION 48
A wireless engineer needs to implement client tracking. Which method does the angle of arrival use to determine the location of a wireless device?

A. received signal strength

B. triangulation

C. time distance of arrival

D. angle of incidence

Correct Answer: D
Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/WiFiLBSDG/wifich2.html

QUESTION 49
Which two steps are needed to complete integration of the MSE to Cisco Prime Infrastructure to track the location of clients/rogues on maps? (Choose two.)

A. Synchronize access points with the MSE.
B. Add the MSE to Cisco Prime Infrastructure using the CLI credentials.
C. Add the MSE to Cisco Prime Infrastructure using the Cisco Prime Infrastructure communication credentials.
D. Apply a valid license for Wireless Intrusion Prevention System.
E. Apply a valid license for location tracking.

Correct Answer: D, E
Section:

QUESTION 50
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 Clients must be enabled on the MSE.
B. Client location tracking must be enabled on the MSE.
C. Location History for Visitors must be enabled on the MSE.
D. Location History for Rogue APs & Rogue Clients must be enabled on the MSE.
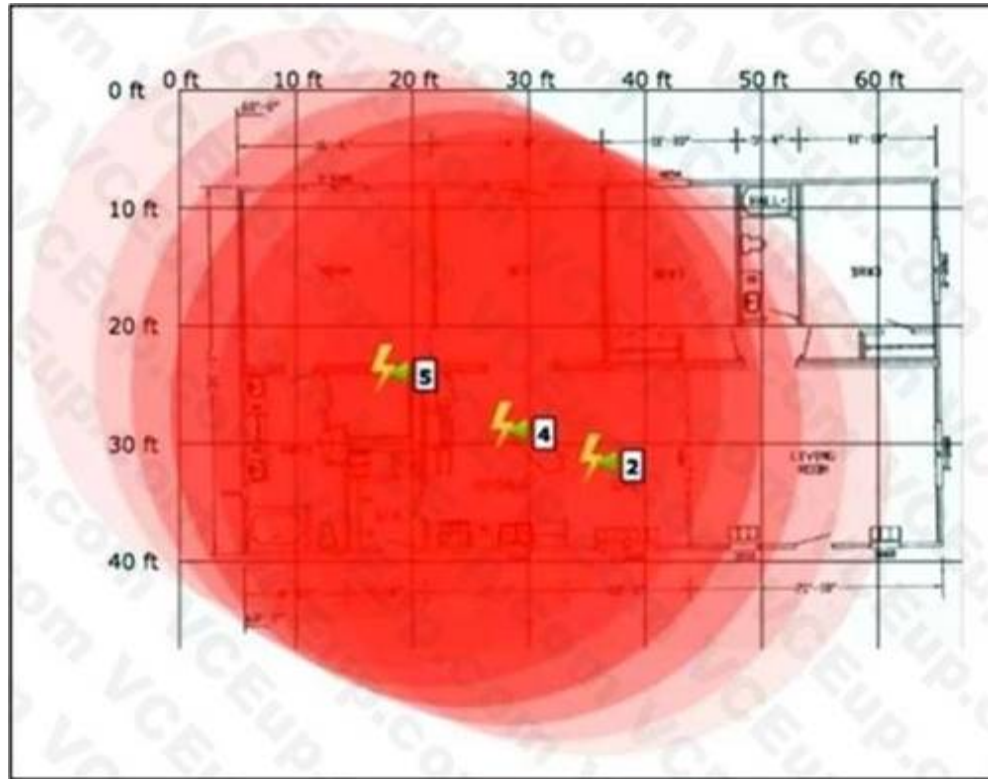E. Tracking optimization must be enabled on the WLC.

Correct Answer: A, E
Section:

QUESTION 51
Refer to the exhibit.

An engineer needs to manage non-802.11 interference. What is observed in the output on PI?

A. At least one strong interferer is impacting connectivity at this site.

B. Several light interferers are collectively impacting connectivity at this site.

C. The three individual clusters shown indicate poor AP placement.

D. RF at this site is unable to provide adequate wireless performance.

Correct Answer: C
Section:

QUESTION 52
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 Non-802.11 Noise

C. Avoid Persistent Non-WiFi Interference

D. Avoid Foreign AP Interference

Correct Answer: C
Section:

QUESTION 53
Which two protocols are used to communicate between the Cisco MSE and the Cisco Prime Infrastructure network management software? (Choose two.)

A. HTTPS

B. Telnet

C. SOAP

D. SSH

E. NMSP

Correct Answer: A, E
Section:

QUESTION 54
An engineer must configure MSE to provide guests access using social media authentication. Which service does the engineer configure so that guests use Facebook credentials to authenticate?

A. Social Connect

B. Client Connect

C. Visitor Connect

D. Guest Connect

Correct Answer: A
Section:

QUESTION 55
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/16113 port on the firewall.

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

D. Allow TCP/16666 port on the router.

Correct Answer: B
Section:

QUESTION 56
Which customizable security report on Cisco Prime Infrastructure will show rogue APs detected since a point in time?

A. Network Summary

B. Rogue APs Events

C. New Rogue APs

D. Rogue APs Count Summary

Correct Answer: C
Section:

QUESTION 57
After receiving an alert about a rogue AP, a network engineer logs into Cisco Prime Infrastructure and looks at the floor map where the AP that detected the rogue is located. The map is synchronized with a mobility services engine that determines that the rogue device is actually inside the campus.
The engineer determines that the rogue is a security threat and decides to stop if from broadcasting inside the enterprise wireless network. What is the fastest way to disable the rogue?

A. Go to the location where the rogue device is indicated to be and disable the power.

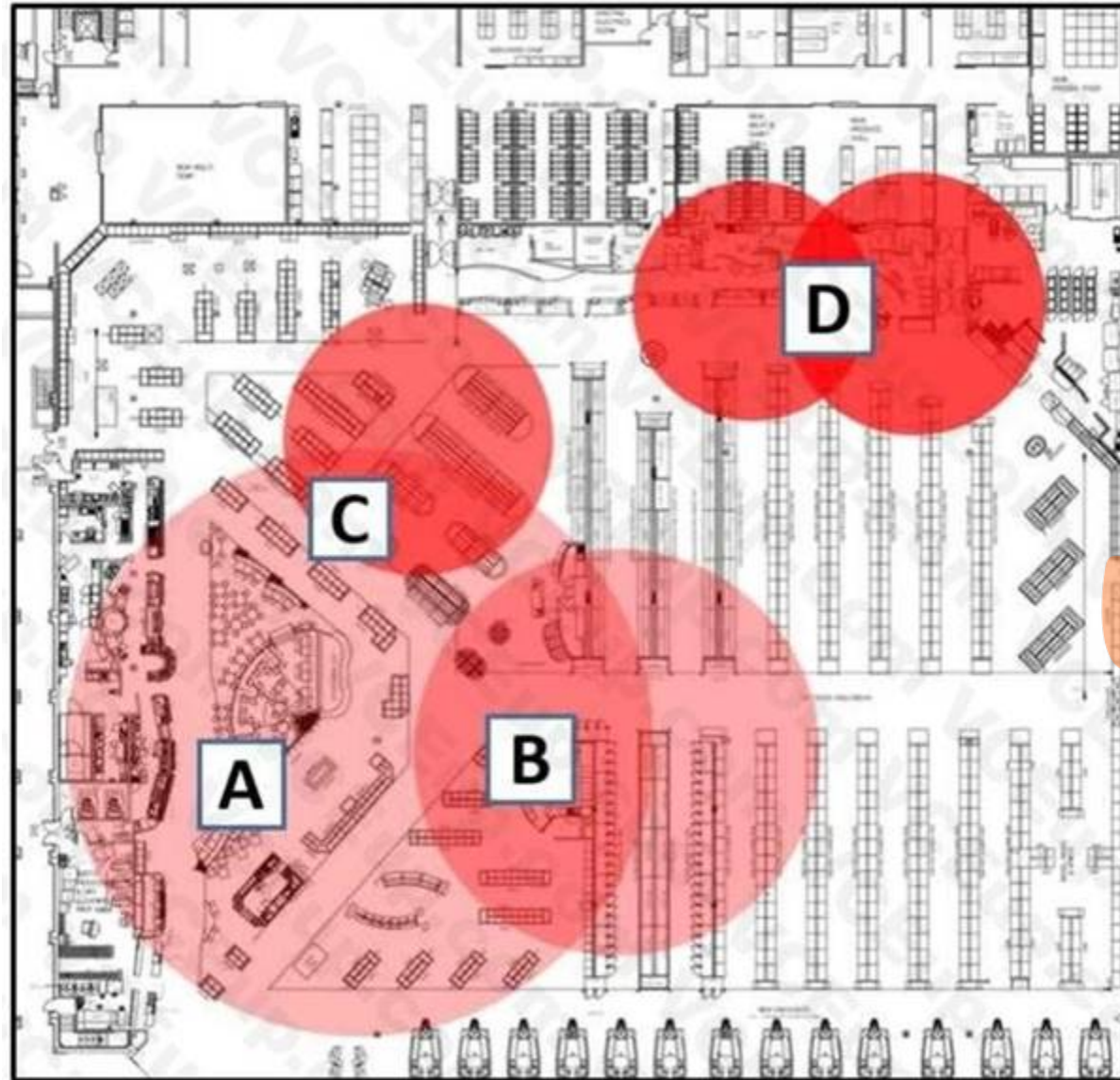B. Create an SSID similar to the rogue to disable clients from connecting to it.

C. Update the status of the rogue in Cisco Prime Infrastructure to contained.

D. Classify the rogue as malicious in Cisco Prime Infrastructure.

Correct Answer: C
Section:

QUESTION 58
Refer to the exhibit.

Which area indicates the greatest impact on the wireless network when viewing the Cisco CleanAir Zone of Impact map of interferers?

A. A

B. B

C. C

D. D

Correct Answer: D
Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wirelesscontrollers/112139-cleanair-uwn-guide-00.html

QUESTION 59
A wireless network engineer must present a list of all rogue APs with a high severity score to senior management. Which report must be created in Cisco Prime Infrastructure to provide this information?

A. Rogue AP Count Summary

B. New Rogue APs

C. Rogue AP Events

D. Rogue APs

Correct Answer: D
Section:

QUESTION 60
An engineer must run a Client Traffic Stream Metrics report in Cisco Prime Infrastructure. Which task must be run before the report?

A. scheduled report

B. radio performance

C. client status

D. software

Correct Answer: B
Section:
Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/2-0/user/guide/prime_infra_ug/reps.html

QUESTION 61
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
Section:

QUESTION 62
A wireless engineer must configure access control on a WLC using a TACACS+ server for a company that is implementing centralized authentication on network devices. Which role value must be configured under the shell profile on the TACACS+ server for a user with read-only permissions?

A. ADMIN

B. MANAGEMENT

C. MONITOR

D. READ

Correct Answer: C
Section:

QUESTION 63
The CTO of an organization wants to ensure that all Android devices are placed into a separate VLAN on their wireless network. However, the CTO does not want to deploy ISE. Which feature must be implemented on the Cisco WLC?

A. WLAN local policy

B. RADIUS server overwrite interface

C. AAA override

D. custom AVC profile

Correct Answer: A
Section:

QUESTION 64
Refer to the exhibit.

Event	5405 RADIUS Request dropped
Failure Reason	11036 The Message-Authenticator RADIUS attribute is invalid

A wireless engineer has integrated the wireless network with a RADIUS server. Although the configuration on the RADIUS is correct, users are reporting that they are unable to connect. During troubleshooting, the engineer notices that the authentication requests are being dropped. Which action will resolve the issue?

A. Allow connectivity from the wireless controller to the IP of the RADIUS server.

B. Provide a valid client username that has been configured on the RADIUS server.

C. Configure the shared-secret keys on the controller and the RADIUS server.

D. Authenticate the client using the same EAP type that has been set up on the RADIUS server.

Correct Answer: C
Section:

QUESTION 65
What must be configured on the Global Configuration page of the WLC for an AP to use 802.1x to authenticate to the wired infrastructure?

A. local access point credentials

B. RADIUS shared secret

C. TACACS server IP address

D. supplicant credentials

Correct Answer: B
Section:

QUESTION 66
For security purposes, an engineer enables CPU ACL and chooses an ACL on the Security > Access Control Lists > CPU Access Control Lists menu. Which kind of traffic does this change apply to as soon as the change is made?

A. wireless traffic only

B. wired traffic only

C. VPN traffic

D. wireless and wired traffic

Correct Answer: A
Section:

QUESTION 67
Refer to the exhibit.

An engineer is creating an ACL to restrict some traffic to the WLC CPU. Which selection must be made from the direction drop-down list?

A. It must be Inbound because traffic goes to the WLC.
B. Packet direction has no significance; it is always Any.
C. It must be Outbound because it is traffic that is generated from the WLC.
D. To have the complete list of options, the CPU ACL must be created only by the CLI.

Correct Answer: A
Section:

QUESTION 68
An engineer must implement a CPU ACL that blocks web management traffic to the controller, but they also must allow guests to reach a Web Authentication Redirect page. To which IP address is guest client HTTPS traffic allowed for this to work?

A. DNS server IP
B. controller management IP
C. virtual interface IP
D. client interface IP

Correct Answer: C
Section:

QUESTION 69
An engineer needs to configure an autonomous AP for 802.1x authentication. To achieve the highest security an authentication server is used for user authentication. During testing, the AP fails to pass the user authentication request to the authentication server. Which two details need to be configured on the AP to allow communication between the server and the AP? (Choose two.)

A. username and password
B. PAC encryption key

C. RADIUS IP address

D. shared secret

E. group name

Correct Answer: C, D
Section:

QUESTION 70
A customer wants the APs in the CEO's office to have different usernames and passwords for administrative support than the other APs deployed throughout the facility. Which feature must be enabled on the WLC and APs to achieve this goal?

A. local management users

B. HTTPS access

C. 802.1X supplicant credentials

D. override global credentials

Correct Answer: D
Section:

QUESTION 71
An engineer configured a Cisco AireOS controller with two TACACS+ servers. The engineer notices that when the primary TACACS+ server fails, the WLC starts using the secondary server as expected, but the WLC does not use the primary server again until the secondary server fails or the controller is rebooted. Which cause of this issue is true?

A. Fallback is enabled

B. Fallback is disabled

C. DNS query is disabled

D. DNS query is enabled

Correct Answer: B
Section:

QUESTION 72
An engineer is implementing RADIUS to restrict administrative control to the network with the WLC management IP address of 192.168.1.10 and an AP subnet of 192.168.2.0/24. Which entry does the engineer define in the RADIUS server?

A. administrative access defined on the WLC and the network range 192.168.2.0/255.255.254.0

B. NAS entry of the virtual interface and the network range 192.168.2.0/255.255.255.0

C. shared secret defined on the WLC and the network range 192.168.1.0/255.255.254.0

D. WLC roles for commands and the network range 192.168.1.0/255.255.255.0

Correct Answer: A
Section:

QUESTION 73
A customer requires wireless traffic from the branch to be routed through the firewall at corporate headquarters. A RADIUS server is in each branch location. Which Cisco FlexConnect configuration must be used?

A. central authentication and local switching

B. central authentication and central switching

C. local authentication and local switching

D. local authentication and central switching

Correct Answer: D
Section:

QUESTION 74
Refer to the exhibit.

An engineer must restrict some subnets to have access to the WLC. When the CPU ACL function is enabled, no ACLs in the drop-down list are seen. What is the cause of the problem?

A. The ACL does not have a rule that is specified to the Management interface.

B. No ACLs have been created under the Access Control List tab.

C. When the ACL is created, it must be specified that it is a CPU ACL.

D. This configuration must be performed through the CLI and not though the web GUI.

Correct Answer: B
Section:

QUESTION 75
An engineer configures the wireless LAN controller to perform 802.1x user authentication. Which configuration must be enabled to ensure that client devices can connect to the wireless, even when WLC cannot communicate with the RADIUS?

A. pre-authentication

B. local EAP

C. authentication caching

D. Cisco Centralized Key Management

Correct Answer: B
Section:

QUESTION 76

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?
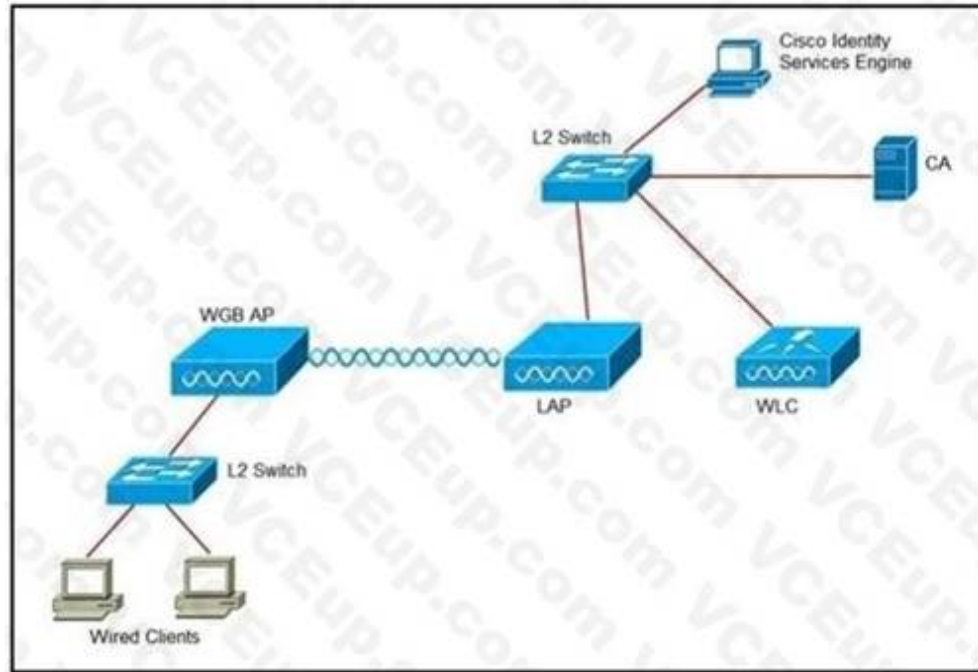
A. network policy server
B. RADIUS
C. TACACS+
D. LDAP

Correct Answer: C
Section:

QUESTION 77
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: C, D, E
Section:

QUESTION 78
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
Section:

QUESTION 79
A network is set up to support wired and wireless clients. Both types must authenticate using 802.1X before connecting to the network. Different types of client authentication must be separated on a Cisco ISE deployment. Which two configuration items achieve this task? (Choose two.)

A. device profiles

B. policy sets

C. separate networks

D. policy groups

E. policy results

Correct Answer: B, D
Section:

QUESTION 80
An engineer is troubleshooting a Cisco CMX high-availability deployment and notices that the primary and backup Cisco CMX servers are both considered primary. Which command must the engineer run on the backup server?

A. cmxha convert backup

B. cmxha backup convert

C. cmxha secondary convert

D. cmxha convert secondary

Correct Answer: B
Section:

QUESTION 81
A network administrator managing a Cisco Catalyst 9800-80 WLC must place all iOS connected devices to the guest SSID on VLAN 101. The rest of the clients must connect on VLAN 102 distribute load across subnets. To achieve this configuration, the administrator configures a local policy on the WLC. Which two configurations are required? (Choose two.)

A. Assign a policy map under global security policy settings.

B. Add local profiling policy under global security policy settings.

C. Create a service template.

D. Allow HTTP and DHCP profiling under policy map.

E. Enable device classification on global wireless settings.

Correct Answer: A, E
Section:

QUESTION 82
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
Section:

QUESTION 83
An engineer is ensuring that, on the IEEE 802.1X wireless network, clients authenticate using a central repository and local credentials on the Cisco WLC. Which two configuration elements must be completed on the WLAN? (Choose two.)

A. TACACS+
B. MAC authentication
C. local EAP enabled
D. web authentication
E. LDAP server

Correct Answer: A, D
Section:

QUESTION 84
An engineer must enable LSS for the AppleTV mDNS service only when ORIGIN is set to Wired. Which action meets this requirement?

A. Set ORIGIN to Wired. Enable LSS by using the config mdns service Iss All command.
B. Set ORIGIN to Wired. Enable LSS by using the config mdns service Iss AppleTV command.
C. Set ORIGIN to either Wireless or All. Enable LSS by using the config mdns service Iss All command.
D. Set ORIGIN to either Wireless or All. Enable LSS by using the config mdns service Iss enable AppleTV command.

Correct Answer: B
Section:

QUESTION 85
A Cisco 8540 WLC manages Cisco Aironet 4800 Series Aps and send AoA data to a Cisco CMX 3375 Appliance for Hyperlocation. The load from the WLC is distributed to another virtual CMX server using CMX grouping. The virtual CMX server shows location RSSI data and not Hyperlocation. No AoA metrics are shown on the metrics page of the CMX virtual appliance under System > Metrics > Location Metrics. How must the network administrator resolve this issue?

A. Enable Wireless > Access Points > Global configuration > Enable Hyperlocation on the WLC.
B. Enable the HALO module on the CMX appliance for the data collection.
C. Allow port 2003 for AoA packets to flow through between the CMX appliances.
D. Use one Hyperlocation-enabled WLC and CMX for AoA data.

Correct Answer: D
Section:

QUESTION 86
An engineer completes the setup of a two-node Cisco ISE deployment for a guest portal. When testing the portal, the engineer notices that sometimes there is a certificate CN mismatch. Which certificate type helps resolve this

issue?

A. Public-Signed Root
B. Public-Signed SAN
C. Self-Signed Wildcard
D. Self-Signed Standard

Correct Answer: C
Section:

QUESTION 87
On a Cisco Catalyst 9800 Series Wireless Controller, an engineer wants to prevent a FlexConnect AP from allowing wireless clients to connect when its Ethernet connection is nonoperational. Which command set prevents this connection?
A. config terminal
wireless flexconnect profile [profile name]
ethernet-fallback-enable
end

A. config terminal
wireless flexconnect profile [profile name]
fallback-radio-shut
end

B. config terminal
wireless profile flex [profile name]
fallback-radio-shut
end

C. config terminal
wireless profile flex [profile name]
ethernet-fallback-enable
end

Correct Answer: C
Section:

QUESTION 88
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 the issue?

A. The implemented CPU ACL on the controller is blocking HTTP/HTTPS traffic from the guest clients.
B. Web Authentication Redirect is not supported with CPU ACLs.
C. The DNS server that is configured on the controller is incorrect.
D. Web Authentication Redirect is supported only with Internet Explorer, and the client is using Google Chrome.

Correct Answer: A
Section:

QUESTION 89
A controller shows that an AP in your environment is detecting interference, but the AP health score in Cisco DNA Center is unaffected. What are two reasons that Cisco DNA Center is ignoring the interference? (Choose two.)

A. The interference is less than or equal to 30% on the 2.4 GHz radio.

B. The interference is less than or equal to 50% on the 2.4 GHz radio.

C. Cisco DNA Center includes only Cisco CleanAir interferers in the AP health score.

D. The interference is less than or equal to 30% on the 5 GHz radio.

E. Cisco DNA Center does not include interference in the AP health score.

Correct Answer: C, D
Section:

QUESTION 90
An engineer must control administrative access to the WLC using their Active Directory without being concerned about RBAC after the admin user is authenticated. Which two features does the engineer configure to accomplish this task?
(Choose two.)

A. Device Admin Policy Set

B. User Access Mode: ReadWrite

C. ACL

D. RADIUS server

E. TACACS server

Correct Answer: C, E
Section:

QUESTION 91
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. Create a local policy on the WLC.

B. Use 802.1x authentication to profile the devices.

C. Use an mDNS profile for the iPad device.

D. Enable RADIUS DHCP profiling on the WLAN.

Correct Answer: A
Section:

QUESTION 92
In a Cisco WLAN deployment, it is required that all Aps from branch1 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. standalone

C. lightweight

D. connected

Correct Answer: B
Section:

QUESTION 93
An engineer added more APs to newly renovated areas in building. The engineer is now receiving Out-of-Sync alarms on Cisco Prime Infrastructure. Which two actions resolve this issue? (Choose two.)

A. Manually synchronize from Cisco Prime Infrastructure.
B. Manually synchronize from MSE.
C. Enable automatic synchronization on Cisco Prime Infrastructure.
D. Enable automatic synchronization on MSE.
E. Add new APs to maps on Cisco Prime Infrastructure.

Correct Answer: B, E
Section:

QUESTION 94
A wireless administrator must assess the different client types connected to Cisco Catalyst 9800 Series Wireless Controller without using any external servers. Which configuration must be added to the controller to achieve this assessment?

A. native profile
B. MAC classification
C. local profile
D. device classification

Correct Answer: C
Section:

QUESTION 95
A customer is concerned that their wireless network is detecting spurious threats from channels that are not being used by their wireless infrastructure. Which two technologies must they deploy?
(Choose two.)

A. FlexConnect mode
B. monitor mode
C. sniffer mode with no submode
D. local mode with WIPS submode
E. rogue detector mode

Correct Answer: B, D
Section:

QUESTION 96
A network engineer created a new wireless network that will be used for guest access. The corporate network must utilize all rates. The guest network must use only lower rates instead of 802.11n data rates. To what must the WMM policy of the WLAN be set to accomplish this task?
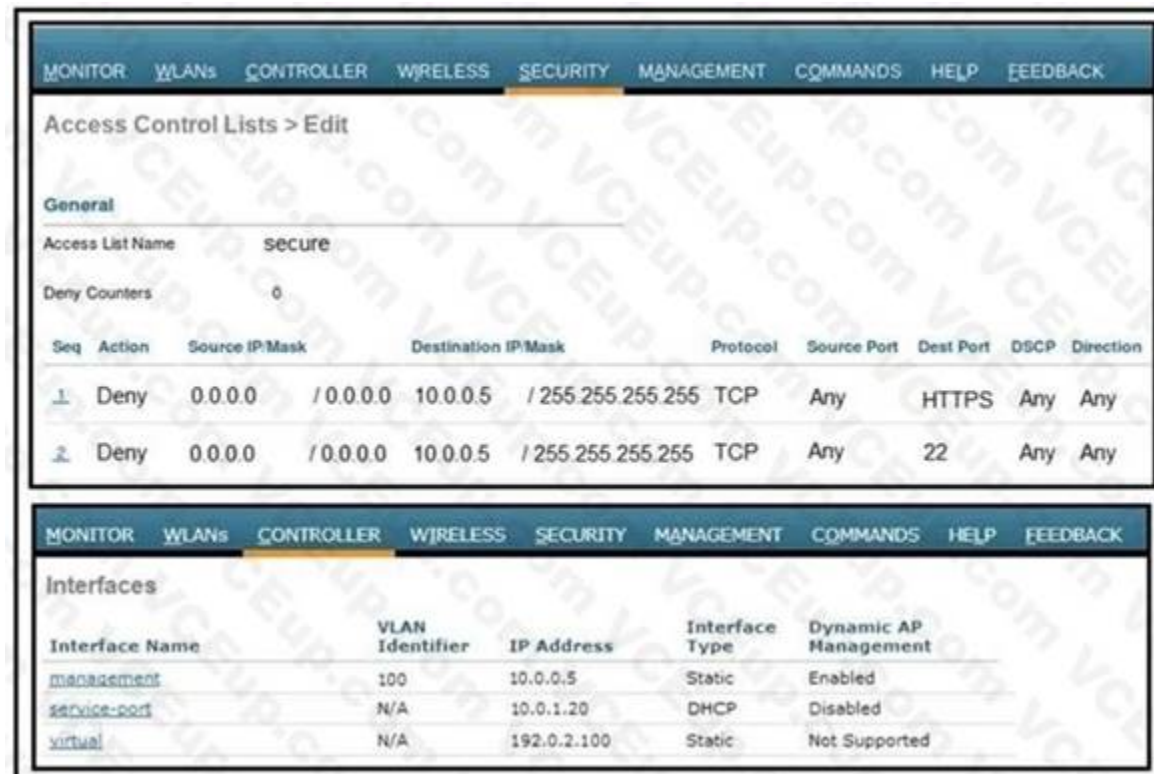
A. required
B. allowed
C. disabled
D. mandatory

Correct Answer: B

QUESTION 97
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. 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.

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

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

D. Line 1 must be set to the inbound direction.

Correct Answer: A
Section:

QUESTION 98
A hospital wants to offer indoor directions to patient rooms utilizing its existing wireless infrastructure. The wireless network has been using location services specifications. Which two components must be installed to support this requirement? (Choose two.)

A. WIPS

B. Cisco MSE

C. Cisco CMX Visitor Connect

D. Cisco CMX AppEngage

E. Cisco CMX Analytics

Correct Answer: B, E
Section:

QUESTION 99
When configuring a large, high-availability wireless network, which change to a mobility group creates less load on the controllers and maintains the same mobility messages?

A. Configure mobility group multicast messaging.
B. Remove unnecessary controllers from the mobility group.
C. Configure the controllers into separate RF groups from the mobility groups.
D. Separate the controllers into different mobility groups per controller.

Correct Answer: A
Section:

QUESTION 100
A healthcare organization notices many rogue APs and is concerned about a honeypot attack. Which configuration must a wireless network engineer perform in Cisco Prime Infrastructure to prevent these attacks most efficiently upon detection?

A. Set the auto containment level to 0 and select the Using Our SSID containment option.
B. Set the manual containment level to 4 and select the Ad Hoc Rogue AP containment option.
C. Set the auto containment level to 0 and select the Ad Hoc Rogue AP containment option.
D. Set the auto containment level to 4 and select the Using Our SSID containment option.

Correct Answer: B
Section:

QUESTION 101
An engineer is configuring a new wireless network for guest access. The Facebook page of the company must be viewed by the guest users before they get access to the network. A Cisco MSE is used as a wireless component. Which URL must be used in the configuration as the external redirection URL?

A. http://<MSE>:8083/visitor/login.do
B. http://<MSE>:8083/fbwifi/forward
C. http://<MSE>:8084/visitor/login.do
D. http://<MSE>:8084/fbwifi/forward

Correct Answer: D
Section:

QUESTION 102
An IT administrator deployed an OEAP to the home of a remote user, but the OEAP cannot reach the WLC. Which two configuration settings must be completed before an OEAP is deployed successfully?
(Choose two.)

A. Configure Secondary Controller Name and Management IP address in the High Availability tab.
B. Configure LSC to authorize the OEAP.
C. Configure the AP mode to FlexConnect and check the box for Office Extend AP.
D. Configure the WLC with an external IP address on the virtual interface.
E. Configure Primary Controller Name and Management IP address in the High Availability tab.

Correct Answer: C, E
Section:

QUESTION 103
An IT administrator deploys Cisco 2802i APs in all office locations, including main campus and branch offices. The WLC that manages the APs is located at the data center on the main campus. The APs on the main campus are configured to use Local mode and the APs in the branches use FlexConnect mode. Which configuration must be applied to the APs for corporate devices on the main campus to be mapped to the local LAN switch on different VLANs according to the VLAN tag ID and WLAN?

A. Enable Central DHCP Processing.

B. Disable FlexConnect Local Auth

C. Enable FlexConnect Local Switching.

D. Disable VLAN-based Central Switching.

Correct Answer: A
Section:

QUESTION 104
An engineer is in the process of implementing Fastiane on a wireless network with a Mobility Express AP installed and Apple end-user devices. Due to a security concern, the IT department has updated all the iPads to version 14.5.423551943. Which QoS profile must the engineer configure on the user WLAN?

A. Platinum

B. Best Effort

C. Bronze

D. Silver

Correct Answer: A
Section:

QUESTION 105
An engineer wants to upgrade the APs in a Cisco FlexConnect group. To accomplish this upgrade, the FlexConnect AP Upgrade setting will be used. One AP of each model with the lowest MAC address in the group must receive the upgrade directly from the controller. Which action accomplishes this direct upgrade?

A. Remove the APs from the group.

B. Reboot all APs before the upgrade.

C. Allocate the master APs to different groups.

D. Do not set any master APs.

Correct Answer: C
Section:

QUESTION 106
Refer to the exhibit.

```
(Cisco Controller) >show nmsp notification interval

NMSP Notification Interval Summary

RSSI Interval:
  Client..................................... 20 sec
  RFID...................................... 20 sec
  Rogue AP................................. 20 sec
  Rogue Client............................. 20 sec

Spectrum Interval:
  Interferer device........................ 20 sec

(Cisco Controller) >
```

An administrator notices slower location updates from the controller to Cisco CMX. Which command must be configured to get an update every 5 seconds for rogues?

A. config location notification interval rssi rogues 5
B. config nmsp notification interval rssi rogues 5
C. config subscription notification interval rssi rogues 5
D. config cmx notification interval rssi rogues 5

Correct Answer: B
Section:

QUESTION 107
Refer to the exhibit.

Data Rates

1 Mbps	Disabled
2 Mbps	Disabled
5.5 Mbps	Disabled
6 Mbps	Supported
9 Mbps	Mandatory
11 Mbps	Disabled
12 Mbps	Mandatory
18 Mbps	Supported
24 Mbps	Mandatory
36 Mbps	Supported
48 Mbps	Supported
54 Mbps	Supported

An engineer is configuring a Cisco wireless LAN controller and needs wireless multicast to use the 54Mbps rates. Which action meets this requirement?

A. Change the 24 Mpbs to Supported.

B. Set all data rates below 54 Mbps to Supported.

C. Change the 54 Mpbs to Mandatory.

D. Set all data rates below 54 Mbps to Disable.

Correct Answer: D
Section:

QUESTION 108
A network administrator managing a Cisco Catalyst 9800 WLC must place all iOS connected devices to the guest SSID on VLAN 101. The rest of the clients must connect on VLAN 102 distribute load across subnets. To achieve this configuration, the administrator configures a local policy on the WLC.
Which two configurations are required? (Choose two.)

A. Assign a policy map under global security policy settings.

B. Add local profiling policy under global security policy settings.

C. Create a service template.

D. Allow HTTP and DHCP profiling under policy map.

E. Enable device classification on global wireless settings.

Correct Answer: C, E
Section:

QUESTION 109
An engineer is planning an image upgrade of the WLC, and hundreds of APs are spread across remote sites with limited WAN bandwidth. The engineer must minimize the WAN utilization for this upgrade. Which approach must be used for the AP image upgrade?
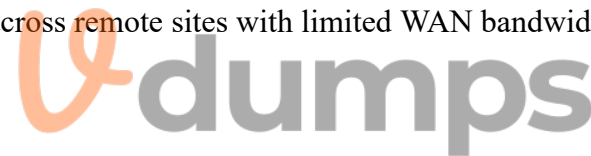
A. Predownload the new code to the APs.

B. Use the Smart AP image upgrade feature.

C. Allow the APs to download their code after WLC reboot.

D. Execute parallel TFTP code upgrade on the APs via SSH.

Correct Answer: B
Section:

QUESTION 110
Refer to the exhibit.

```
(Test-1) >show network summary
RF-Network Name.............................. Test-1
Web Mode..................................... Disable
Secure Web Mode.............................. Enable
Secure Web Mode Cipher-Option High........... Disable
Secure Web Mode Cipher-Option SSLv2.......... Disable
Secure Web Mode RC4 Cipher Preference........ Disable
OCSP......................................... Disabled
OCSP responder URL...........................
Secure Shell (ssh)........................... Enable
Telnet....................................... Disable
Ethernet Multicast Forwarding................ Disable
Ethernet Broadcast Forwarding................ Disable
IPv4 AP Multicast/Broadcast Mode............. Unicast
IGMP snooping................................ Disabled
IGMP timeout................................. 60 seconds
IGMP Query Interval.......................... 20 seconds
MLD snooping................................. Disabled
MLD timeout.................................. 60 seconds
MLD query interval........................... 20 seconds
User Idle Timeout............................ 3600 seconds
ARP Idle Timeout............................. 3600 seconds
Cisco AP Default Master...................... Disable
AP Join Priority............................. Disable

WebPortal Online Client ..................... 0
mDNS snooping................................ Disabled
mDNS Query Interval.......................... 15 minutes

(Test-1) >show mdns service summary
Number of Services................................ 5

Service-Name              LSS   Origin    No SP   Service-string
-----------------------   ----  --------  -----   --------------
AirPrint                  No    All       0       _ipp._tcp.local.
AppleTV                   No    All       0       _airplay._tcp.local.
HP_Photosmart_Printer_1   No    All       0       _universal._sub._ipp.
_tcp.local.
HP_Photosmart_Printer_2   No    All       0       _cups._sub._ipp._tcp.
local.
Printer                   No    All       0       _printer._tcp.local.
```

An engineer configured a BYOD policy that allows for printing on the WLAN using Bonjour services.
However, the engineer cannot get printing to work. The WLC firmware is 8.x. What must be implemented on the controller?

- A. Enable mDNS and IGMP snooping.
- B. Activate location-specific services.
- C. Configure Secure Web Mode Cipher-Option SSLv2.
- D. Increase the IGMP Query Interval value

Correct Answer: B
Section:

QUESTION 111
A network administrator just completed the basic implementation of Cisco CMX and tries to implement location tracking. The administrator is having trouble establishing connectivity between one of the WLCs through NMSP.
What must be configured to establish this connectivity? (Choose two.)
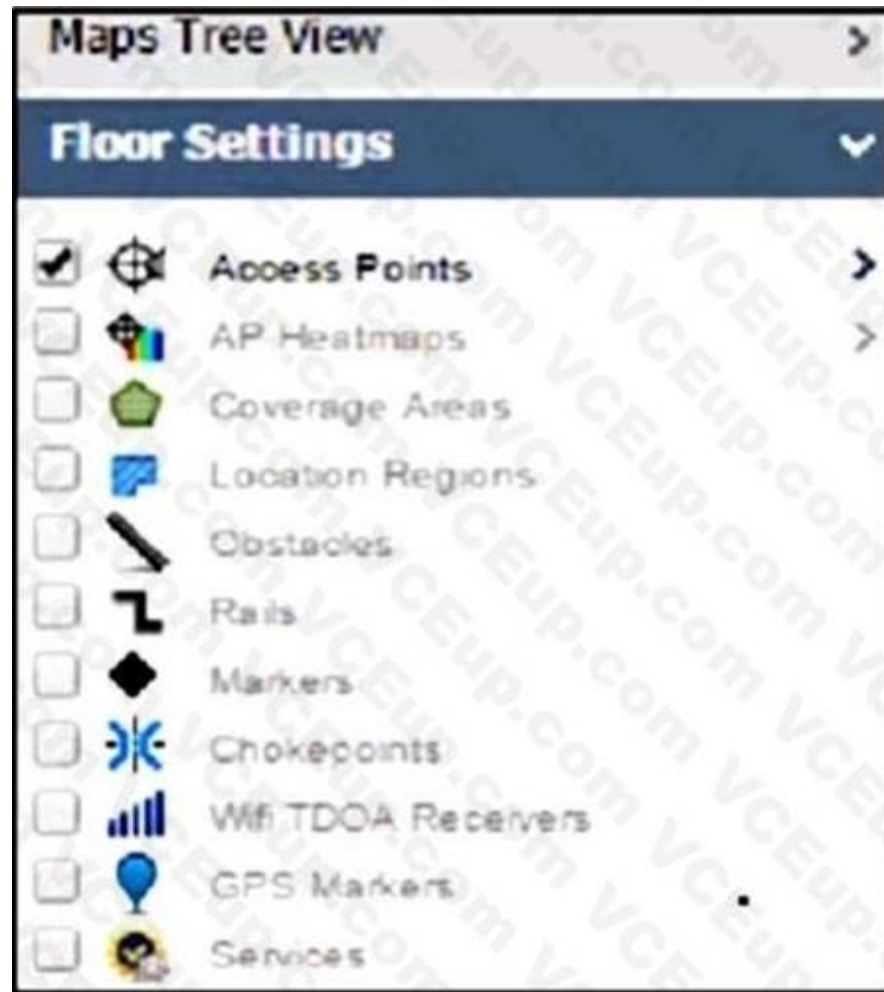
- A. Add permanent licenses on the Cisco CMX server.
- B. Allow on the firewall port 16113 between Cisco CMX and the WLC.
- C. Enable NMSP on the WLC.
- D. Reboot Cisco CMX after adding the WLC for the first time.
- E. Add to the WLC the MAC address and SSC key for the Cisco CMX server.

Correct Answer: B, C
Section:

QUESTION 112
Refer to the exhibit.

An engineer must provide a position of rogue APs on a floor map using Cisco PI 3.0, but no rogue AP options are showing on the left-hand navigation menu under Maps. What is the reason for this omission?

A. An assurance license is not installed.
B. The controller operational status background task is disabled.
C. The Show Detected Interferers feature under the AP option is disabled.
D. Cisco MSE has not been added to Cisco PI.

Correct Answer: A
Section:

QUESTION 113
WPA2 Enterprise with 802.1X is being used for clients to authenticate to a wireless network through a Cisco ISE server. For security reasons, the network engineer wants to ensure that only PEAP authentication is used. The engineer sent instructions to clients on how to configure the supplicants, but the ISE logs still show users authenticating using EAP-FAST. Which action ensures that access to the network is restricted for these users unless the correct authentication mechanism is configured?

A. Enable AAA override on the SSID, gather the usernames of these users, and disable the RADIUS accounts until the devices are correctly configured.
B. Enable AAA override on the SSID and configure an ACL on the WLC that allows access to users with IP addresses from a specific subnet.

C. Enable AAA override on the SSID and configure an access policy in Cisco ISE that denies access to the list of MACs that have used EAP-FAST.

D. Enable AAA override on the SSID and configure an access policy in Cisco ISE that allows access only when the EAP authentication method is PEAP.

Correct Answer: D
Section:

QUESTION 114
Refer to the exhibit.

What is the reason that the wireless client cannot get the RUN state?

A. It has no communication with Cisco ISE.

B. An authentication error has occurred.

C. It is not getting the IP address.

D. Because of central switching, the AP must reach the Cisco ISE directly.

Correct Answer: C
Section:

QUESTION 115
A wireless engineer deployed all remote sites as FlexConnect. The client VLAN assignment on these sites is configured manually mapped by WLAN and using local switching. Dynamic VLAN assignment is provided by the newly deployed
Cisco ISE. Which IETF attribute must be configured on the AAA server to send that VLAN ID?

A. Tunnel-Medium-Type

B. Tunnel-Client-Endpoint

C. Tunnel-Assignment-ID

D. Tunnel-Private-Group-ID

Correct Answer: D
Section:

QUESTION 116
Refer to the exhibit.

An engineer has deployed the Cisco CMX solution to track and detect the number of users who visit the office each day. The CMX dashboard is not showing any dat a. Which action resolves this issue?

A. Configure Single Sign-On authentication.

B. Add the WLCs to CMX.

C. Copy the exported Maps from CMX server to PI using SCP.

D. Install an evaluation license to CMX server.

Correct Answer: B
Section:

QUESTION 117
Refer to the exhibit.

```
aaa new-model
aaa local authentication default authorization default
aaa group server radius rad-group
 server name ise-lab272
aaa authentication login default local

wireless profile policy test profiling
   accounting-list acct method
   radius-profiling
```

A network architect configured the Cisco Catalyst 9800 Series Controller to find out information on client types in the wireless network. RADIUS profiling is enabled so that the controller forwards the information about clients to a Cisco ISE server through vendor-specific RADIUS attributes. The ISE server is not profiling any data from the controller. Which configuration must be added in the blank in the code to accomplish the profiling on the Cisco 9800 Series controller?

A. aaa accounting identity acct_method start-stop group rad-group

B. aaa accounting network acct_method start-stop group rad-group

C. aaa accounting exec acct_method start-stop group rad-group

D. aaa accounting commands acct_method start-stop group rad-group

Correct Answer: B
Section:

QUESTION 118

Company XYZ recently migrated from AireOS to IOS XE 9800 WLCs. The Internet bandwidth must be limited to 5 Mbps for each guest client as per the global standard. In which configuration on the Cisco Catalyst 9800 WLC must the QoS requirement be added?

A. table map

B. policy map

C. service policy

D. class map

Correct Answer: B
Section:

QUESTION 119

An engineer needs read/write access to rename access points and add them to the correct AP groups on a wireless controller. Using Cisco ISE TACACS, which custom attributes is the minimum required?

A. role1=WLAN

B. role1=WLAN role2=SECURITY

C. role1=WLAN role2=WIRELESS

D. role1=WIRELESS

Correct Answer: D
Section:

QUESTION 120

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. omnidirectional

C. patch

D. internal

Correct Answer: C
Section:

QUESTION 121

An engineer has many different WLANs on a WLC but does not want to broadcast them to every AP in the building. Which group must be configured on the WLC to allow different WLANs on the different APs without creating new interfaces?
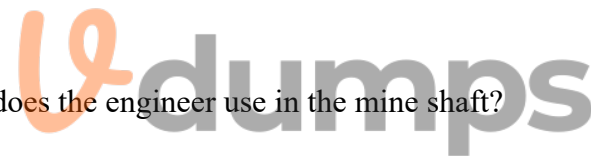
A. ACL

B. interface group

C. mobility group

D. AP group

Correct Answer: D
Section:

QUESTION 122
DRAG DROP

A network engineer must get an autonomous AP to authenticate to the upstream switch via IEEE 802.1 X. Drag and drop the commands from the left onto the right to complete the configuration.

Select and Place:

Answer Area

Commands	Steps
ap(config-if)#dot1x credentials [PROFILE NAME]	step 1
ap(config-dot1x-creden)#password {0	7	LINE}	step 2
ap(config)#dot1x credentials [PROFILE NAME]	step 3
ap(config-dot1x-creden)#username username	step 4
ap(config)#interface gigabitethernet 0	step 5

Correct Answer:

Answer Area

	ap(config-if)#dot1x credentials [PROFILE NAME]
	ap(config-dot1x-creden)#username username
	ap(config-dot1x-creden)#password {0	7	LINE}
	ap(config)#interface gigabitethernet 0
	ap(config)#dot1x credentials [PROFILE NAME]

Section:
Explanation:

QUESTION 123
DRAG DROP
The network management team in a large shopping center has detected numerous rogue APs from local coffee shops that are broadcasting SSIDs. All of these SSIDs have names starting with ATC (for example, ATC302, ATC011, and ATC566). A wireless network engineer must appropriately classify these SSIDs using the Rogue Rules feature. Drag and drop the options from the left onto the categories in which they must be used on the right. Not all options are used.

Select and Place:

Answer Area

friendly	Type
malicious	
set substring-ssid to ATC	State
set SSID value to ATC	
external	Condition
internal	

Correct Answer:

Answer Area

	Type
	friendly
malicious	State
set substring-ssid to ATC	external
	Condition
	set SSID value to ATC
internal	

Section:
Explanation:

QUESTION 124
DRAG DROP
A wireless engineer wants to schedule monthly security reports in Cisco Prime infrastructure. Drag and drop the report the from the left onto the expected results when the report is generated on the right.

Select and Place:

Correct Answer:

Section:
Explanation:

QUESTION 125
Which EAP method can an AP use to authenticate to the wired network?

A. EAP-GTC
B. EAP-MD5
C. EAP-TLS
D. EAP-FAST

Correct Answer: D
Section:

QUESTION 126
A wireless engineer has performed a Wireshark ccapture on an 802.1x authentication process to troubleshoot a connectivity issue.
Which two types of packet does the EAP contain? (Choose two.)

A. EAP complete
B. EAP response
C. EAP failure
D. EAP request
E. EAP reply

Correct Answer: B, D
Section:

QUESTION 127
You enter the command or a Cisco Catalyst 3850 Series Switch that runs Cisco ISO XE. What does the command do?

A. It defines the user identity or the device identity to be validated by the RADIUS server.
B. It captures information on the length of the authorized session, as well as the bandwidth usage of the client.
C. It defines the RADIUS server used to track which sessions are still active.
D. It defines the level of access of the user or the device.

Correct Answer: D
Section: