



Actual exam question from Cisco's 300-430

Question #: 1

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 2

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 3

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 4

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 5

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 6

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 7

Topic #: 1

[\[All 300-430 Questions\]](#)

General	Security	QoS	Policy-Mapping	Advanced
Maximum Allowed Clients Per AP Radio		<input type="text" value="200"/>		
Clear HotSpot Configuration		<input type="checkbox"/> Enabled		
Client user idle timeout(15-100000)		<input type="checkbox"/>		
Client user idle threshold (0-10000000)		<input type="text" value="0"/> Bytes		
Radius NAI-Realm		<input type="checkbox"/>		
11ac MU-MIMO		<input checked="" type="checkbox"/>		
<b>Off Channel Scanning Defer</b>				
Scan Defer Priority		<b>0 1 2 3 4 5 6 7</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		
Scan Defer Time(msecs)		<input type="text" value="100"/>		
<b>FlexConnect</b>				
FlexConnect Local Switching <sup>2</sup>		<input type="checkbox"/> Enabled		
FlexConnect Local Auth <sup>12</sup>		<input type="checkbox"/> Enabled		
Learn Client IP Address <sup>5</sup>		<input checked="" type="checkbox"/> Enabled		

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 8

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer







Actual exam question from Cisco's 300-430

Question #: 9

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 10

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 11

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 12

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 13

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 14

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 15

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 16

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 18

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 19

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 20

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 21

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 22

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 23

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 24

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 25

Topic #: 1

[\[All 300-430 Questions\]](#)

### 802.11a(5 GHz) > Media

**Voice** **Video** **Media**

#### Call Admission Control (CAC)

Admission Control (ACM)	<input checked="" type="checkbox"/> Enabled
CAC Method <a href="#">4</a>	Load Based ▾
Max RF Bandwidth (5-85) (%)	<input type="text" value="75"/>
Reserved Roaming Bandwidth (0-25) (%)	<input type="text" value="6"/>
Expedited bandwidth	<input type="checkbox"/>
SIP CAC Support <a href="#">3</a>	<input type="checkbox"/> Enabled

#### Per-Call SIP Bandwidth [2](#)

SIP Codec	G.711 ▾
SIP Bandwidth (kbps)	<input type="text" value="64"/>
SIP Voice Sample Interval (msecs)	<input type="text" value="20"/>

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 26

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 27

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 28

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 29

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 30

Topic #: 1

[\[All 300-430 Questions\]](#)

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 31

Topic #: 1

[\[All 300-430 Questions\]](#)

---

Which QoS level is recommended for guest services?

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 32

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 33

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer







Actual exam question from Cisco's 300-430

Question #: 34

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 35

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 36

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 37

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 38

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 39

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 40

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 41

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 42

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 43

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 44

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 45

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 46

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 47

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer

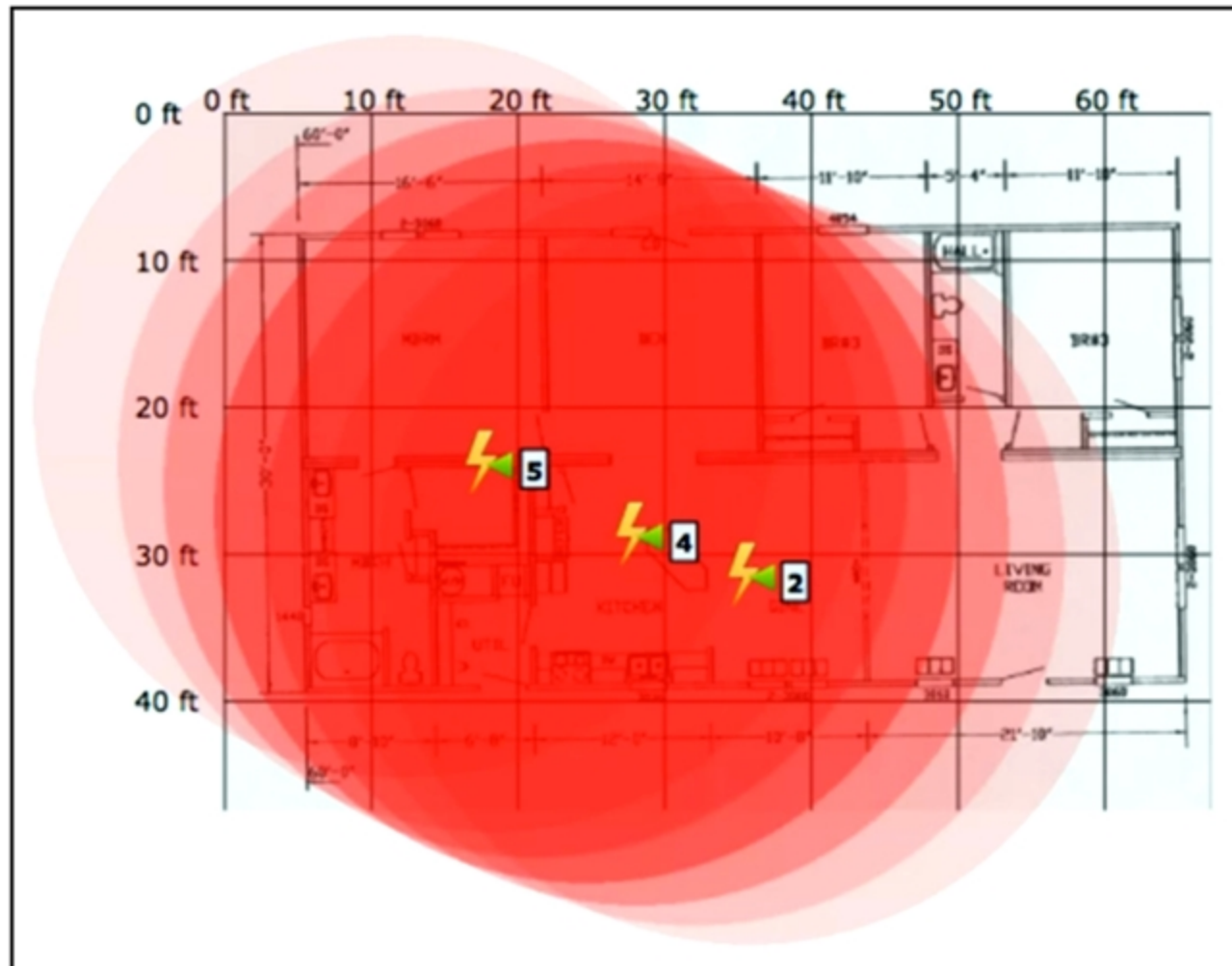


Actual exam question from Cisco's 300-430

Question #: 48

Topic #: 1

[\[All 300-430 Questions\]](#)



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.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 49

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer







Actual exam question from Cisco's 300-430

Question #: 50

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 51

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 52

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 53

Topic #: 1

[\[All 300-430 Questions\]](#)

---

What is the default NMSP echo interval between Cisco MSE and a Wireless LAN Controller?

- A. 10 seconds
- B. 15 seconds
- C. 30 seconds
- D. 60 seconds

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 54

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer just added a new MSE to Cisco Prime Infrastructure and wants to synchronize the MSE with the Cisco 5520 WLC, 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 are able to communicate using NMSP?

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

Show Suggested Answer

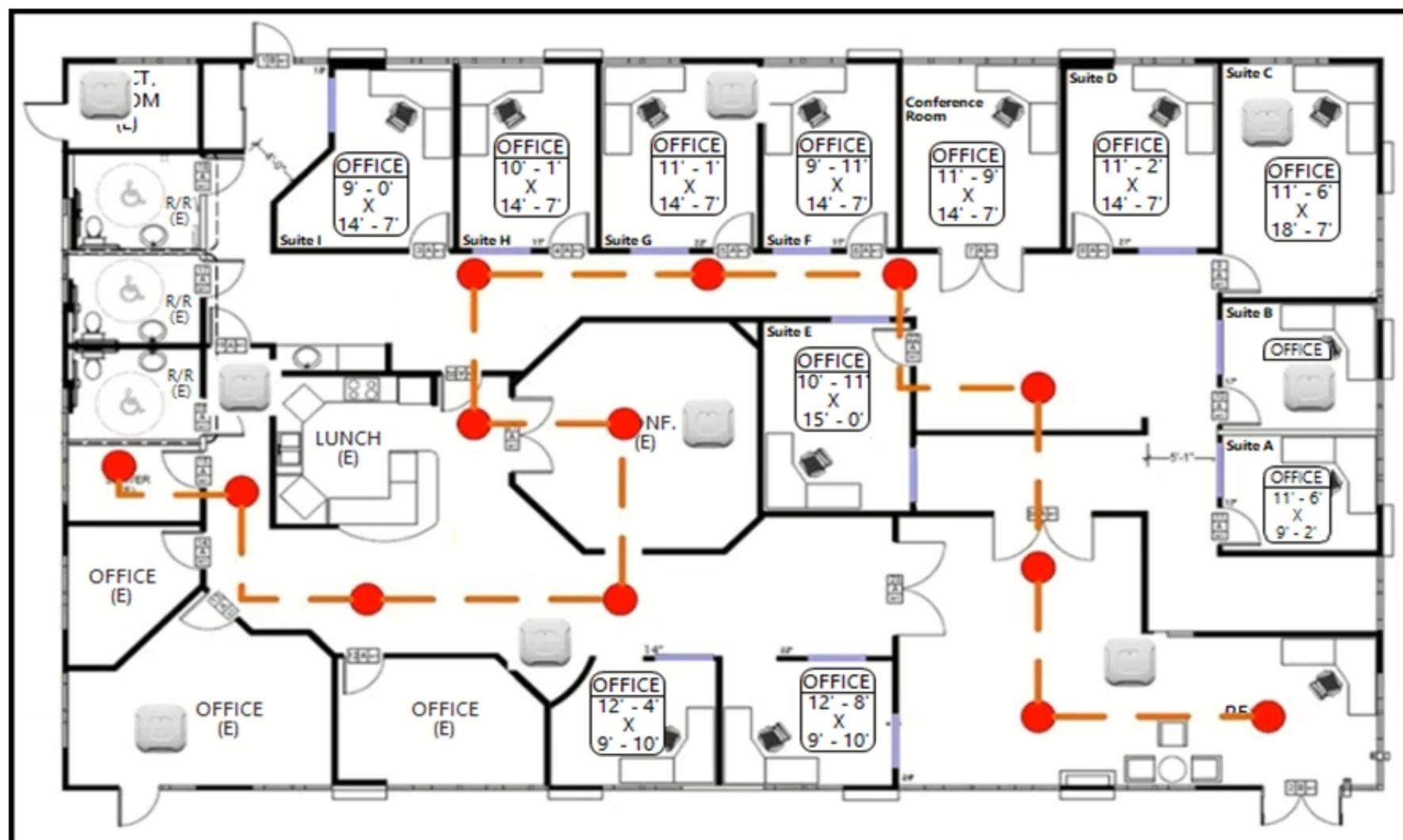


Actual exam question from Cisco's 300-430

Question #: 55

Topic #: 1

[\[All 300-430 Questions\]](#)



Refer to the exhibit. An engineer needs to configure location services in an office. The requirement is to use FastLocate and achieve higher locations refresh rates. Which location-based technique should be implemented?

- A. probe-based
- B. location patterning
- C. data packet-based
- D. angulation

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 56

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer is managing a wireless network for a shopping center. The network includes a Cisco WLC, a Cisco MSE, and a Cisco Prime Infrastructure. What is required to use Cisco CMX Location Analytics?

- A. Enable tracking parameters in Cisco MSE.
- B. Enable Context Aware and CMX Browser Engage.
- C. Install Cisco Prime Infrastructure with floor maps.
- D. Set history parameters in Cisco MSE.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 57

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer configures a deployment to support:

- ⇒ Cisco CMX
- ⇒ licenses for at least 3000 APs
- ⇒ 6000 wIPS licenses

The Cisco vMSE appliance must be sized for this deployment. Which Cisco vMSE Release 8 option must the engineer deploy?

- A. Large vMSE
- B. Low-End vMSE
- C. Standard vMSE
- D. High-End vMSE

Show Suggested Answer







Actual exam question from Cisco's 300-430

Question #: 58

Topic #: 1

[\[All 300-430 Questions\]](#)

---

A new MSE with wIPS service has been installed and no alarm information appears to be reaching the MSE from controllers. Which protocol must be allowed to reach the MSE from the controllers?

- A. SOAP/XML
- B. NMSP
- C. CAPWAP
- D. SNMP

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 59

Topic #: 1

[\[All 300-430 Questions\]](#)

---

Which two statements about the requirements for a Cisco Hyperlocation deployment are true? (Choose two.)

- A. After enabling Cisco Hyperlocation on Cisco CMX, the APs and the wireless LAN controller must be restarted.
- B. NTP can be configured, but that is not recommended.
- C. The Cisco Hyperlocation feature must be enabled on the wireless LAN controller and Cisco CMX.
- D. The Cisco Hyperlocation feature must be enabled only on the wireless LAN controller.
- E. If the Cisco CMX server is a VM, a high-end VM is needed for Cisco Hyperlocation deployments.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 60

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer is performing a Cisco Hyperlocation accuracy test and executes the `cmxloc start` command on Cisco CMX. Which two parameters are relevant?  
(Choose two.)

- A. X, Y real location
- B. client description
- C. AP name
- D. client MAC address
- E. WLC IP address

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 61

Topic #: 1

[\[All 300-430 Questions\]](#)

---

Where is Cisco Hyperlocation enabled on a Cisco Catalyst 9800 Series Wireless Controller web interface?

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 62

Topic #: 1

[\[All 300-430 Questions\]](#)

---

The Cisco Hyperlocation detection threshold is currently set to -50 dBm. After reviewing the wireless user location, discrepancies have been noticed. To improve the Cisco Hyperlocation accuracy, an engineer attempts to change the detection threshold to -100 dBm. However, the Cisco Catalyst 9800 Series Wireless Controller does not allow this change to be applied. What actions should be taken to resolve this issue?

- A. Disable Cisco Hyperlocation, change the Cisco Hyperlocation detection threshold, and then enable it.
- B. Create a new profile on Cisco CMX with the new Cisco Hyperlocation detection range, and apply it on the WLAN.
- C. Place the APs to monitor mode, shutdown the radios, and then change the Cisco Hyperlocation detection threshold.
- D. Shutdown all radios on the controller, change the Cisco Hyperlocation detection range, and enable the radios again.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 63

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer must track guest traffic flow using the WLAN infrastructure. Which Cisco CMX feature must be configured and used to accomplish this tracking?

- A. analytics
- B. connect and engage
- C. presence
- D. detect and locate

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 64

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer has successfully implemented 10 active RFID tags in an office environment. The tags are not visible when the location accuracy is tested on the Cisco CMX Detect and Locate window. Which setting on Cisco CMX allows the engineer to view the tags?

- A. Enable RFID tags in tracking options.
- B. Enable probing clients for active tags.
- C. Define an RFID group globally and add the tags.
- D. Enable hyperlocation services for RFID.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 65

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer completed the basic installation for two Cisco CMX servers and is in the process of configuring high availability, but it fails. Which two statements about the root of the issue are true? (Choose two.)

- A. The Cisco CMX instances are installed in the same subnet.
- B. The types of the primary and secondary Cisco CMX installations differ.
- C. The delay between the primary and secondary instance is 200 ms.
- D. The sizes of the primary and secondary Cisco CMX installations differ.
- E. Both Cisco CMX installations are virtual.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 66

Topic #: 1

[\[All 300-430 Questions\]](#)

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
2	0.003747	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
3	1.087479	10.48.39.214	10.48.71.21	UDP	130	9999 → 2003 Len=88
4	2.733577	10.48.39.214	10.48.71.21	UDP	130	9999 → 2003 Len=88
5	2.999859	10.48.39.251	10.48.71.21	UDP	178	9999 → 2003 Len=136
6	3.001227	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
7	4.355249	10.48.39.214	10.48.71.21	UDP	146	9999 → 2003 Len=104
8	5.999538	10.48.39.251	10.48.71.21	UDP	178	9999 → 2003 Len=136
9	6.000959	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
10	8.999418	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
11	9.000791	10.48.39.251	10.48.71.21	UDP	178	9999 → 2003 Len=136
12	9.262904	10.48.39.214	10.48.71.21	UDP	146	9999 → 2003 Len=104
13	10.894785	10.48.39.214	10.48.71.21	UDP	130	9999 → 2003 Len=88
14	11.995126	10.48.39.251	10.48.71.21	UDP	194	9999 → 2003 Len=152
15	11.999193	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
16	14.994902	10.48.39.251	10.48.71.21	UDP	178	9999 → 2003 Len=136
17	14.996368	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
18	17.994857	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
19	17.996231	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
20	18.102843	10.48.39.251	10.48.71.21	UDP	130	9999 → 2003 Len=88
21	21.098408	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
22	21.099952	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
23	24.098574	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
24	24.099804	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
25	27.098099	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
26	27.099839	10.48.39.251	10.48.71.21	UDP	130	9999 → 2003 Len=88
27	28.880307	10.48.39.164	10.48.71.21	UDP	146	9999 → 2003 Len=104
28	28.881569	10.48.39.214	10.48.71.21	CAPP	146	CAPP MD5 Encrypted
29	30.094237	10.48.39.251	10.48.71.21	UDP	178	9999 → 2003 Len=136
30	30.097812	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
31	30.513451	10.48.39.214	10.48.71.21	UDP	130	9999 → 2003 Len=88
32	30.515926	10.48.39.164	10.48.71.21	UDP	130	9999 → 2003 Len=88

```
> Frame 1: 162 bytes on wire (1296 bits), 162 bytes captured (1296 bits)
> Ethernet II, Src: Ciscolnc_2a:c4:a3 (00:06:f6:2a:c4:a3), Dst: Vmware_99:4e:19 (00:50:56:99:4e:19)
> Internet Protocol Version 4, Src: 10.48.39.251, Dst: 10.48.71.21
> User Datagram Protocol, Src Port: 9999 (9999), Dst Port: 2003 (2003)
v Data (120 bytes)
  Data: ae 2f 44 f0 00 00 b4 5f ef 06 fd cb b7 6c 03 c7 ...
  [Length: 120]
```

Refer to the exhibit. The image shows a packet capture that was taken at the CLI of the Cisco CMX server. It shows UDP traffic from the WLC coming into the server. What does the capture prove?

- A. The Cisco CMX server receives NetFlow data from the WLC.
- B. The Cisco CMX server receives NMSP traffic from the WLC.
- C. The Cisco CMX server receives SNMP traffic from the WLC.
- D. The Cisco CMX server receives Angle-of-Arrival data from the WLC.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 67

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 68

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer has implemented advanced location services for a retail wireless deployment. The marketing department wants to collect user demographic information in exchange for guest WLAN access and to have a customized portal per location hosted by the provider. Which social connector must be tied into Cisco CMX to provide this service?

- A. Gmail
- B. Google+
- C. Facebook
- D. MySpace

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 69

Topic #: 1

[\[All 300-430 Questions\]](#)

---

What are two considerations when deploying a Cisco Hyperlocation? (Choose two.)

- A. NTP configuration is available, but not recommended.
- B. The Cisco Hyperlocation feature must be enabled only on the wireless LAN controller.
- C. After enabling Cisco Hyperlocation on Cisco CMX, the APs and the wireless LAN controller must be restarted.
- D. The Cisco Hyperlocation feature must be enabled on the wireless LAN controller and Cisco CMX.
- E. If the Cisco CMX server is a VM, a high-end VM is needed for Cisco Hyperlocation deployments.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 70

Topic #: 1

[\[All 300-430 Questions\]](#)

---

After installing and configuring Cisco CMX, an administrator must change the NTP server on the Cisco CMX server. Which action accomplishes this task?

- A. Manually edit /etc/ntp.conf using an XML editor before restarting the server by using service restart all services.
- B. Log in to the Cisco CMX CLI and issue set ntp server NTP IP where NTP IP is the IP of the NTP server.
- C. Manually edit /etc/ntp.conf as the admin user before restarting ntpd by using service ntpd restart.
- D. Log in to the Cisco CMX GUI as the administrator and type the IP address of the NTP server in System tab > Settings> TimeZone/NTP.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 71

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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`

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 72

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer needs to provision certificates on a Cisco Catalyst 9800 Series Wireless Controller. The customer uses a third-party CA server. Which protocol must be used between the controller and CA server to request and install certificates?

- A. SCEP
- B. TLS
- C. LDAP
- D. SSL

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 73

Topic #: 1

[\[All 300-430 Questions\]](#)

---

A corporation has recently implemented a BYOD policy at their HQ. Which two risks should the security director be concerned about? (Choose two.)

- A. network analyzers
- B. malware
- C. lost and stolen devices
- D. keyloggers
- E. unauthorized users

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 74

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 75

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 76

Topic #: 1

[\[All 300-430 Questions\]](#)

Refer to the exhibit. 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?

```
(Cisco WLC) >show dhcp proxy  
  
DHCP ProxyBehaviour: enabled  
  
!  
interface Vlan63  
 ip address 10.10.63.252/22  
 description Dot1x_BYOD  
 no shutdown  
!
```

- 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.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 77

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer must implement a BYOD policy with these requirements:

- ⇒ Onboarding unknown machines
- ⇒ Easily scalable
- ⇒ Low overhead on the wireless network

Which method satisfies these requirements?

- A. triple SSID
- B. single SSID
- C. open SSID
- D. dual SSID

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 78

Topic #: 1

[\[All 300-430 Questions\]](#)

---

A company has a single WLAN configured for 802.1x authentication with the QoS set to Silver. This WLAN supports all corporate and BYOD access. A decision has been made to allow users to install Cisco Jabber on their personal mobile devices. Users report poor voice quality when using Jabber. QoS is being applied only as best effort. What must be configured to ensure that the WLAN remains on the Silver class and to ensure Platinum class for Jabber?

- A. Configure QoS on the mobile devices that have Jabber installed.
- B. Enable Cisco Centralized Key Management on the WLAN so that the Jabber-enabled devices will connect.
- C. Configure the WLAN to broadcast on 5 GHz radios only and allow Jabber users to connect.
- D. Configure an AVC profile for the Jabber traffic and apply it to the WLAN.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 79

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer is implementing profiling for BYOD devices using Cisco ISE. When using a distributed model, which persona must the engineer configure with the profiling service?

- A. Device Admin Node
- B. Primary Admin Node
- C. Monitor Node
- D. Policy Services Node

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-430

Question #: 80

Topic #: 1

[\[All 300-430 Questions\]](#)

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

malicious

set substring-ssid to ATC

set SSID value to ATC

external

internal

Type

State

Condition

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 81

Topic #: 1

[\[All 300-430 Questions\]](#)

---

What must be configured on ISE version 2.1 BYOD when using Single SSID?

- A. open authentication
- B. 802.1x
- C. no authentication
- D. WPA2

Show Suggested Answer







Actual exam question from Cisco's 300-430

Question #: 82

Topic #: 1

[\[All 300-430 Questions\]](#)

---

A wireless engineer must implement a corporate wireless network for a large company in the most efficient way possible. The wireless network must support 32 VLANs for 300 employees in different departments. Which solution must the engineer choose?

- A. Configure a second WLC to support half of the APs in the deployment.
- B. Configure one single SSID and implement Cisco ISE for VLAN assignment according to different user roles.
- C. Configure different AP groups to support different VLANs, so that all of the WLANs can be broadcast on both radios.
- D. Configure 16 WLANs to be broadcast on the 2.4-GHz band and 16 WLANs to be broadcast on the 5.0-GHz band.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 83

Topic #: 1

[\[All 300-430 Questions\]](#)

---

Which feature on the Cisco Wireless LAN Controller must be present to support dynamic VLAN mapping?

- A. FlexConnect ACL
- B. VLAN name override
- C. CCKM/OKC
- D. AAA override

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 84

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 85

Topic #: 1

[\[All 300-430 Questions\]](#)

---

Which command set configures a Cisco Catalyst 9800 Series Wireless Controller so that the client traffic enters the network at the AP switch port?

A.

```
config terminal
wireless profile policy [policy name]
local switching
end
```

B.

```
config terminal
wireless flexconnect policy [policy name]
local switching
end
```

C.

```
config terminal
wireless flexconnect policy [policy name]
no central switching
end
```

D.

```
config terminal
wireless profile policy [policy name]
no central switching
end
```

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 86

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 87

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer must implement rogue containment for an SSID. What is the maximum number of APs that should be used for containment?

- A. 1
- B. 2
- C. 3
- D. 4

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 88

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer is following the proper upgrade path to upgrade a Cisco AireOS WLC from version 7.3 to 8.9. Which two ACLs for Cisco CWA must be configured when upgrading from the specified codes? (Choose two.)

- A. Permit 0.0.0.0 0.0.0.0 any DNS any
- B. Permit 0.0.0.0 0.0.0.0 UDP DNS any
- C. Permit 0.0.0.0 0.0.0.0 UDP any DNS
- D. Permit any any any
- E. Permit 0.0.0.0 0.0.0.0 UDP any any

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 89

Topic #: 1

[\[All 300-430 Questions\]](#)

---

CMX Facebook Wi-Fi allows access to the network before authentication. Which two elements are available? (Choose two.)

- A. Allow HTTP traffic only before authentication and block all the traffic.
- B. Allow all the traffic before authentication and intercept HTTPS only.
- C. Allow HTTPs traffic only before authentication and block all other traffic.
- D. Allow all the traffic before authentication and intercept HTTP only.
- E. Allow SNMP traffic only before authentication and block all the traffic.

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 90

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer is implementing Cisco Identity-Based Networking on a Cisco AireOS controller. The engineer has two ACLs on the controller. The first ACL, named BASE\_ACL, is applied to the corporate\_clients interface on the WLC, which is used for all corporate clients. The second ACL, named HR\_ACL, is referenced by ISE in the Human Resources group policy. What is the resulting ACL when a Human Resources user connects?

- A. HR\_ACL appended with BASE\_ACL
- B. HR\_ACL only
- C. BASE\_ACL appended with HR\_ACL
- D. BASE\_ACL only

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 91

Topic #: 1

[\[All 300-430 Questions\]](#)

---

Branch wireless users report that they can no longer access services from head office but can access services locally at the site. New wireless users can associate to the wireless while the WAN is down. Which three elements (Cisco FlexConnect state, operation mode, and authentication method) are seen in this scenario? (Choose three.)

- A. authentication-local/switch-local
- B. WPA2 personal
- C. authentication-central/switch-central
- D. lightweight mode
- E. standalone mode
- F. WEB authentication

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 92

Topic #: 1

[\[All 300-430 Questions\]](#)

```
(Cisco Controller) >
(Cisco Controller) >*EAP Framework: Jan 21 23:55:43.569: eap_fast.c-EVENT: New context (EAP handle = c4000000)
*EAP Framework: Jan 21 23:55:43.569: eap_fast.c-EVENT: Allocated new EAP-FAST context (handle = 37000000)
*EAP Framework: Jan 21 23:55:43.569: eap_fast_auth.c-AUTH-EVENT: Process Response (EAP handle = c4000000)
*EAP Framework: Jan 21 23:55:43.569: eap_fast_auth.c-AUTH-EVENT: Received Identity
*EAP Framework: Jan 21 23:55:43.569: eap_fast_tlv.c-AUTH-EVENT: Adding PAC A-ID TLV (436973636f000000000000000000000000)
*EAP Framework: Jan 21 23:55:43.569: eap_fast_auth.c-AUTH-EVENT: Sending Start
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-AUTH-EVENT: Process Response, type: 0x2b
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: Process Response (EAP handle = c4000000)
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: Received TLS record type: Handshake in state: Start
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: Reading Client Hello handshake
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: Ignoring unknown ext rec type: 10
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: Ignoring unknown ext rec type: 11
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: TLS_DHE_RSA_WITH_AES_128_CBC_SHA proposed...
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: TLS_RSA_WITH_AES_128 proposed...
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: TLS_RSA_WITH_RC4_128 proposed...
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Proposed ciphersuite(s):
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Unknown ciphersuite 255
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Unknown ciphersuite 49188

*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Unknown ciphersuite 103
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Unknown ciphersuite 57
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT:      TLS_DHE_RSA_WITH_AES_128_CBC_SHA
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Unknown ciphersuite 22
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Unknown ciphersuite 61

*EAP Framework: Jan 21 23:55:43.587: eap_fast.c-EVENT:      TLS_RSA_WITH_AES_128_CBC_SHA
*EAP Framework: Jan 21 23:55:43.587: eap_fast.c-EVENT: Unknown ciphersuite 10
*EAP Framework: Jan 21 23:55:43.587: eap_fast.c-EVENT: Unknown ciphersuite 49159
*EAP Framework: Jan 21 23:55:43.587: eap_fast.c-EVENT: Unknown ciphersuite 49169
*EAP Framework: Jan 21 23:55:43.587: eap_fast.c-EVENT:      TLS_RSA_WITH_RC4_128_SHA
*EAP Framework: Jan 21 23:55:43.587: eap_fast.c-EVENT: Unknown ciphersuite 4
*EAP Framework: Jan 21 23:55:43.592: eap_fast.c-AUTH-EVENT: eap_fast_rx_packet(): EAP Fast NoData (0x2b)
*EAP Framework: Jan 21 23:55:43.592: eap_fast.c-AUTH-EVENT: Process Response, type: 0x2b
*EAP Framework: Jan 21 23:55:43.592: eap_fast_auth.c-AUTH-EVENT: Process Response (EAP handle = c4000000)
*EAP Framework: Jan 21 23:55:43.592: eap_fast_auth.c-AUTH-EVENT: Received ACK from peer
*EAP Framework: Jan 21 23:55:43.592: eap_fast.c-EVENT: Free context (EAP handle = c4000000)
```

Refer to the exhibit. An engineer deployed a Cisco WLC using local EAP. Users who are configured for EAP-PEAP cannot connect to the network. Based on the local EAP debug on the controller provided, why is the client unable to connect?

- A. The client is failing to accept certificate.
- B. The Cisco WLC is configured for the incorrect date.
- C. The Cisco WLC local EAP profile is misconfigured.
- D. The user is using invalid credentials.

Show Suggested Answer

Actual exam question from Cisco's 300-430

Question #: 93

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer set up identity-based networking with ISE and configured AAA override on the WLAN. Which two attributes must be used to change the client behavior from the default settings? (Choose two.)

- A. DHCP timeout
- B. DNS server
- C. IPv6 ACL
- D. DSCP value
- E. multicast address

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-430

Question #: 94

Topic #: 1

[\[All 300-430 Questions\]](#)

**RADIUS Authentication Settings**

Enable Authentication Settings

Protocol **RADIUS**

\* Shared Secret

Enable KeyWrap  ⓘ

\* Key Encryption Key

\* Message Authenticator Code Key

Key Input Format  ASCII  HEXADECIMAL

CoA Port

Refer to the exhibit. The security team has implemented ISE as an AAA solution for the wireless network. The wireless engineer notices that though clients are able to authenticate successfully, the ISE policies that are designed to place them on different interfaces are not working. Which configuration must be applied in the RADIUS Authentication Settings section from the ISE Network Device page?

- A. Disable KeyWrap.
- B. Use ASCII for the key input format.
- C. Change the CoA Port.
- D. Correct the shared secret.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 95

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 96

Topic #: 1

[\[All 300-430 Questions\]](#)

---

A Cisco WLC has been added to the network and Cisco ISE as a network device, but authentication is failing. Which configuration within the network device configuration should be verified?

- A. SNMP RO community
- B. device interface credentials
- C. device ID
- D. shared secret

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 97

Topic #: 1

[\[All 300-430 Questions\]](#)

---

A user is trying to connect to a wireless network that is configured for WPA2-Enterprise security using a corporate laptop. The CA certificate for the authentication server has been installed on the Trusted Root Certification Authorities store on the laptop. The user has been prompted to enter the credentials multiple times, but the authentication has not succeeded. What is causing the issue?

- A. There is an IEEE invalid 802.1X authentication policy on the authentication server.
- B. The user Active Directory account is locked out after several failed attempts.
- C. There is an invalid 802.1X authentication policy on the authenticator.
- D. The laptop has not received a valid IP address from the wireless controller.

Show Suggested Answer







Actual exam question from Cisco's 300-430

Question #: 98

Topic #: 1

[\[All 300-430 Questions\]](#)

---

A wireless engineer is configuring LWA using ISE. The customer is a startup company and requested the wireless users to authenticate against a directory, but LDAP is unavailable. Which solution should be proposed in order to have the same security and user experience?

- A. Use SAML.
- B. Use the internal database of the RADIUS server.
- C. Use a preshared key on the corporate WLAN.
- D. Use Novell eDirectory.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 99

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 100

Topic #: 1

[\[All 300-430 Questions\]](#)

---

A customer wants to allow employees to easily onboard their personal devices to the wireless network. The visitors also must be able to connect to the same network without the need to engage with anyone from the reception desk. Which process must be configured on Cisco ISE to support this requirement?

- A. MAC authentication bypass
- B. native supplicant provisioning
- C. local web auth
- D. self-registration guest portal

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 101

Topic #: 1

[\[All 300-430 Questions\]](#)

---

A customer has a distributed wireless deployment model where the WLCs are located in the data centers. Because the file servers are located in the data center, the traffic from the corporate WLAN `Corp-401266017` must go through the controllers, where the guest WLAN `Guest-19283746` traffic must use the local Internet line installed in each office. Which configuration will accomplish this task?

- A. Disable Local Switching for the corporate and guest WLAN.
- B. Disable Local Switching for the corporate WLAN and enable it for the guest WLAN.
- C. Enable Local Switching for the corporate and guest WLAN.
- D. Enable Local Switching for the corporate WLAN and disable it for the guest WLAN.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 102

Topic #: 1

[\[All 300-430 Questions\]](#)

---

A network engineer is implementing BYOD on a wireless network. Based on the customer requirements, a dual SSID approach must be taken. Which two advanced WLAN configurations must be performed? (Choose two.)

- A. Set NAC State to Radius NAC.
- B. Set Allow AAA Override to Enabled.
- C. Set DHCP Addr. Assignment to Required.
- D. Select DHCP Profiling.
- E. Select Enable Session Timeout.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 103

Topic #: 1

[\[All 300-430 Questions\]](#)

---

Which three characteristics of a rogue AP pose a high security risk? (Choose three.)

- A. open authentication
- B. high RSSI
- C. foreign SSID
- D. accepts clients
- E. low RSSI
- F. distant location

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 104

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

- A. 1800s
- B. 3600e
- C. 3800s
- D. 4800i

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-430

Question #: 105

Topic #: 1

[\[All 300-430 Questions\]](#)

---

Which component must be integrated with Cisco DNA Center to display the location of a client that is experiencing connectivity issues?

- A. Cisco Hyperlocation Module
- B. Wireless Intrusion Prevention System
- C. Cisco Connected Mobile Experiences
- D. Cisco Mobility Services Engine

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 106

Topic #: 1

[\[All 300-430 Questions\]](#)

---

The IT manager is asking the wireless team to get a report for all guest user associations during the past two weeks. In which two formats can Cisco Prime save this report? (Choose two.)

- A. CSV
- B. PDF
- C. XLS
- D. DOC
- E. plain text

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 107

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 108

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer must provide a graphical report with summary grouped data of the total number of wireless clients on the network. Which Cisco Prime Infrastructure report provides the required data?

- A. Client Traffic Stream Metrics
- B. Client Summary
- C. Posture Status Count
- D. Mobility Client Summary

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 109

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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 monitor mode APs
- B. last 10 wIPS events from sniffer 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

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-430

Question #: 110

Topic #: 1

[\[All 300-430 Questions\]](#)

### Rogue Rule > Edit

Rule Name	Rule 1
Type	Malicious
Match Operation	<input checked="" type="radio"/> Match All <input type="radio"/> Match Any
Enable	<input checked="" type="checkbox"/>

**Conditions**

Minimum RSSI (-95 to -50)	-65	dBm	▼
Time Duration (0-3600)	3600	secs.	▼

---

User configured SSID		Add SSID	▼
	Admin	Remove	

Add Condition

Client Count	Add Condition
--------------	---------------

Refer to the exhibit. An engineer tries to manage the rogues on the Cisco WLC. Based on the configuration, which AP is marked as malicious by the controller?

- A. rogue AP with SSID admin seen for 4000 seconds and heard at -70dBm
- B. rogue AP with SSID admin seen for 3000 seconds and heard at -60dBm
- C. rogue AP with SSID admin seen for 4000 seconds and heard at -60dBm
- D. rogue AP with SSID admin seen for 3000 seconds and heard at -70dBm

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 111

Topic #: 1

[\[All 300-430 Questions\]](#)

---

Which devices can be tracked with the Cisco Context Aware Services?

- A. wired and wireless devices
- B. wireless devices
- C. wired devices
- D. Cisco certified wireless devices

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 112

Topic #: 1

[\[All 300-430 Questions\]](#)

---

Which two events are outcomes of a successful RF jamming attack? (Choose two.)

- A. disruption of WLAN services
- B. unauthentication association
- C. deauthentication broadcast
- D. deauthentication multicast
- E. physical damage to AP hardware

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 113

Topic #: 1

[\[All 300-430 Questions\]](#)

---

An engineer must create an account to log in to the CLI of an access point for troubleshooting. Which configuration on the WLC will accomplish this?

- A. Allow New Telnet Sessions
- B. ReadWrite User Access Mode
- C. SNMP V3 User
- D. Global Configuration Enable Password

Show Suggested Answer







Actual exam question from Cisco's 300-430

Question #: 114

Topic #: 1

[\[All 300-430 Questions\]](#)

---

A multitenant building contains known wireless networks in most of the suites. Rogues must be classified in the WLC. How are the competing wireless APs classified?

- A. adhoc
- B. friendly
- C. malicious
- D. unclassified

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-430

Question #: 115

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 116

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 117

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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 it 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.

Show Suggested Answer



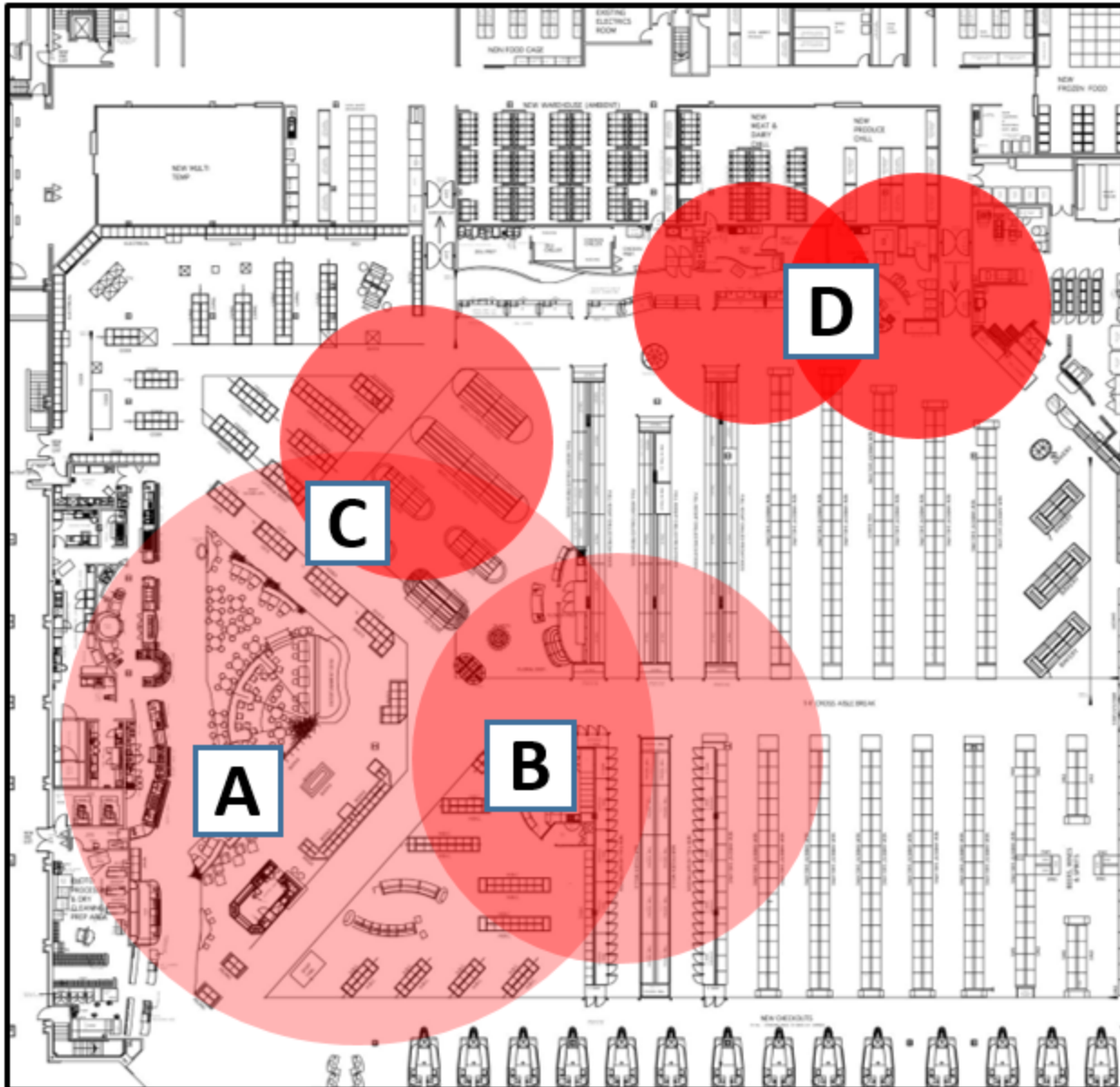
Actual exam question from Cisco's 300-430

Question #: 118

Topic #: 1

[\[All 300-430 Questions\]](#)

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 119

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-430

Question #: 120

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 121

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer







Actual exam question from Cisco's 300-430

Question #: 122

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 123

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 124

Topic #: 1

[\[All 300-430 Questions\]](#)

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

Refer to the exhibit. 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.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 125

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 126

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-430

Question #: 127

Topic #: 1

[\[All 300-430 Questions\]](#)

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?

**Access Control Lists > Rules > New**

Sequence	<input type="text"/>
Source	<input type="text" value="Any"/>
Destination	<input type="text" value="Any"/>
Protocol	<input type="text" value="Any"/>
DSCP	<input type="text" value="Any"/>
Direction	<input type="text" value="Any"/>
Action	<input type="text" value="Any"/> <input type="text" value="Inbound"/> <input type="text" value="Outbound"/>

- 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.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 128

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 130

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)







Actual exam question from Cisco's 300-430

Question #: 131

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 132

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 133

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-430

Question #: 134

Topic #: 1

[\[All 300-430 Questions\]](#)

Refer to the exhibit.

## CPU Access Control Lists

Enable CPU ACL

ACL Name

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 through the web GUI.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 135

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 136

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)



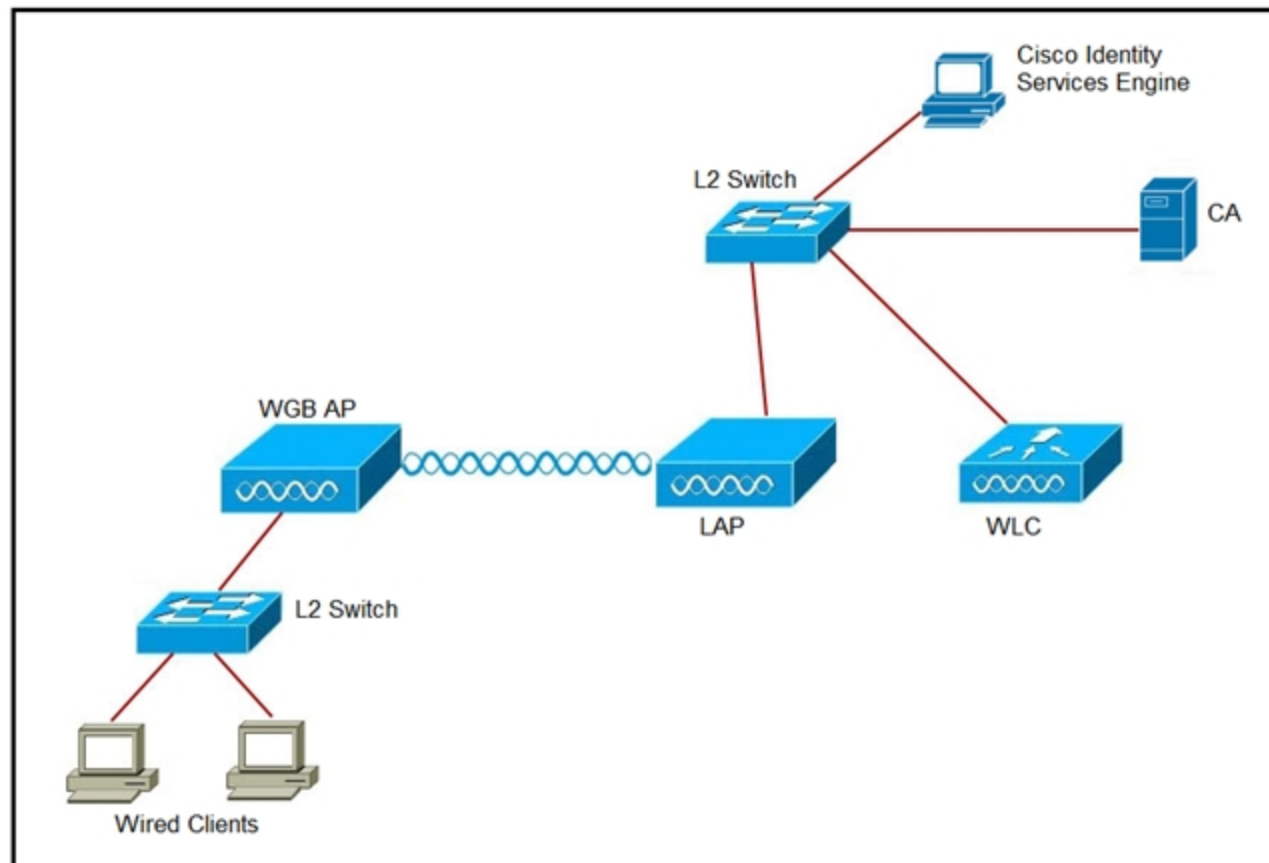
Actual exam question from Cisco's 300-430

Question #: 137

Topic #: 1

[\[All 300-430 Questions\]](#)

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.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 138

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer







Actual exam question from Cisco's 300-430

Question #: 139

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 140

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 141

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 142

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 143

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 144

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 145

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 146

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)





Actual exam question from Cisco's 300-430

Question #: 147

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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
- B. config terminal wireless flexconnect profile [profile name] fallback-radio-shut end
- C. config terminal wireless profile flex [profile name] fallback-radio-shut end
- D. config terminal wireless profile flex [profile name] ethernet-fallback-enable end

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 149

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 150

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

Show Suggested Answer



Actual exam question from Cisco's 300-430

Question #: 151

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 152

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)



Actual exam question from Cisco's 300-430

Question #: 153

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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.

Show Suggested Answer





Actual exam question from Cisco's 300-430

Question #: 154

Topic #: 1

[\[All 300-430 Questions\]](#)

---

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

[Show Suggested Answer](#)

