

## [Q122-Q145] Try 300-430 Free Now! Real Exam Question Answers Updated [Apr 23, 2023]



### **Try 300-430 Free Now! Real Exam Question Answers Updated [Apr 23, 2023] Get Ready to Pass the 300-430 exam with Cisco Latest Practice Exam**

#### **How to Prepare for Cisco 300-430: Implementing Cisco Enterprise Wireless Networks Exam Preparation Guide for Cisco 300-430: Implementing Cisco Enterprise Wireless Networks Exam Introduction**

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This exam guide is intended to help you determine if you can complete the Cisco 300-430: Implementing Cisco Enterprise Wireless Networks exam successfully. This guide includes information on the certification test target audience, recommended preparation and documentation, and a full list of exam targets, all to help you obtain a passing grade. To increase your chances of passing the test, different types of **300-430 practice exams** and **300-430 exam dumps** are the best option.

**NO.122** A customer is implementing a massively scaled guest wireless network to support approximately 32,000 clients. For ease of administration, they have required implementing multiple interfaces defined on the WLC and mapped to a single interface group. Which configuration meets this need?

- \* 264 interfaces of /25 sized networks
- \* 132 interfaces of /24 sized networks
- \* 66 interfaces of /23 sized networks
- \* 33 interfaces of /22 sized networks

Explanation/Reference:

References: <http://www.cisco.com/c/en/us/support/docs/wireless/8500-series-wireless-controllers/113695-8500-dg-00.html>

**NO.123** 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?

- \* NetFlow Monitor
- \* AVC Profile
- \* QoS Profile
- \* Application Visibility

**NO.124** Refer to the exhibit. Which are indicates the greatest impact on the wireless network when viewing the Cisco CleanAir Zone of Impact map of interferers?

- \* B
- \* C
- \* D
- \* A

**NO.125** 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?

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

**NO.126** 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?

- \* switchport encapsulation dot1q

switchport mode trunk

mls qos trust device cisco-phone

- \* switchport mode access

mls qos trust device cisco-phone

- \* switchport mode access mls qos trust cos
- \* switchport mode access mls qos trust dscp

**NO.127** 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?

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

[https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Security/TrustSec\\_199/Dot1X\\_Deployment/Dot1x\\_Dep\\_Guide.html](https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Security/TrustSec_199/Dot1X_Deployment/Dot1x_Dep_Guide.html)

**NO.128** Refer to the exhibit. Which COS to DSCP map must be modified to ensure that voice traffic is tagged correctly as it traverses the network?

- \* COS of 7 to DSCP 48
- \* COS of 6 to DSCP 46
- \* COS of 3 to DSCP 26
- \* COS of 5 to DSCP 46

**NO.129** Which component must be integrated with Cisco DNA Center to display the location of a client that is experiencing connectivity issues?

- \* Cisco Hyperlocation Module
- \* Wireless Intrusion Prevention System
- \* Cisco Connected Mobile Experiences
- \* Cisco Mobility Services Engine

The **Cisco Hyperlocation** solution substantially increases the **location accuracy** of the clients connected to **Cisco DNA Spaces**.

**NO.130** A network engineer is implementing a wireless network and is considering deploying a single SSID for device onboarding.

Which option is a benefit of using dual SSIDs with a captive portal on the onboard SSID compared to a single SSID solution?

- \* limit of a single device per user
- \* restrict allowed devices types
- \* allow multiple devices per user
- \* minimize client configuration errors

**NO.131** 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 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?

- \* Enable CAC
- \* Trust DSCP
- \* Set QoS to Platinum
- \* Allow WMM

Explanation

Text Description automatically generated with medium confidence

WMM allows wireless stations (clients and APs) to prioritize and classify each packet they send into one of four access classes:

- Voice (AC\_VO)
- Video (AC\_VI)
- Best Effort (AC\_BE)
- Background (AC\_BK)

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**NO.132** 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.)

- \* DHCP timeout
- \* DNS server
- \* multicast address
- \* DSCP value
- \* IPv6 ACL

**NO.133** 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?

- \* Allow connectivity from the wireless controller to the IP of the RADIUS server.
- \* Provide a valid client username that has been configured on the RADIUS server.
- \* Configure the shared-secret keys on the controller and the RADIUS server.
- \* Authenticate the client using the same EAP type that has been set up on the RADIUS server.

**NO.134** Refer to the exhibit.

### 802.11a(5 GHz) > Media

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

#### Call Admission Control (CAC)

Admission Control (ACM)  Enabled

CAC Method 4 Load Based

Max RF Bandwidth (5-85) (%)

Reserved Roaming Bandwidth (0-25) (%)

Expedited bandwidth

SIP CAC Support 3  Enabled

#### Per-Call SIP Bandwidth 2

SIP Codec

SIP Bandwidth (kbps)

SIP Voice Sample Interval (msecs)

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

- \* TSPEC
- \* SIFS
- \* 802.11e
- \* WMM
- \* APSD

Cisco Unified Wireless products support WMM, a QoS system based on IEEE 802.11e that has been published by the Wi-Fi Alliance, and WMM Power Save, as well as Admission Control.

**NO.135** 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?

- \* Do not set any master APs. 9 0
- \* Allocate the master APs to different groups
- \* Reboot all APs before the upgrade.
- \* Remove the APs from the group

**NO.136** An engineer must track guest traffic flow using the WLAN infrastructure. Which Cisco CMX feature must be configured and used to accomplish this tracking?

- \* analytics
- \* connect and engage
- \* presence
- \* detect and locate.

• **PRESENCE ANALYTICS:** Cisco Presence Analytics service is a new analytics engine that detects the presence of visitors via their mobile devices interactions even a single network access point. The probe requests which are transmitted from the wireless devices provide information, which is used to identify the ge

**NO.137** 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**

- \* Option A
- \* Option B
- \* Option C
- \* Option D

**NO.138** 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?



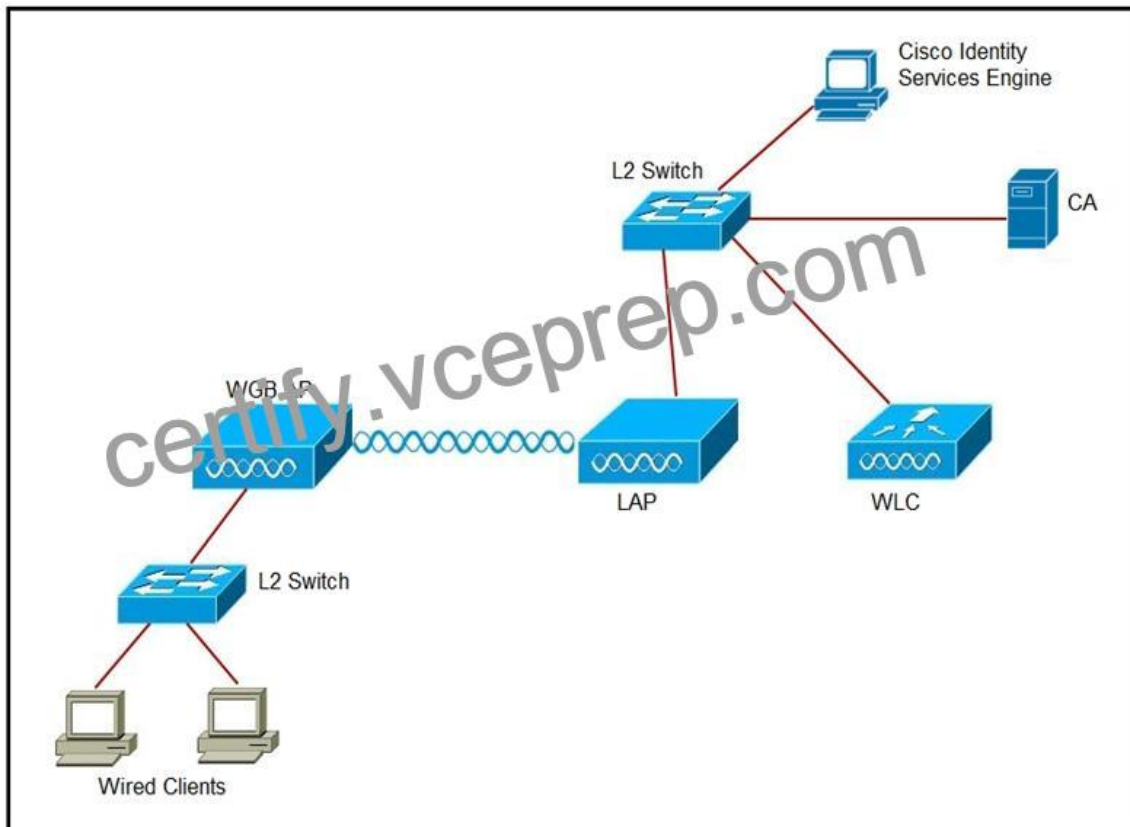
**Access Control Lists > Rules > New**

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

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

**NO.139** 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.)

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

**NO.141** Which two restrictions are in place with regards to configuring mDNS? (Choose two.)

- \* mDNS uses only UDP port 5436 as a destination port.
- \* mDNS cannot use UDP port 5353 as the destination port.
- \* mDNS is not supported on FlexConnect APs with a locally switched WLAN.
- \* Controller software must be newer than 7.0.6+.
- \* mDNS is not supported over IPv6.

### Restrictions for Configuring Multicast DNS

- mDNS over IPv6 is not supported.
- mDNS snooping is not supported on access points in FlexConnect mode in a locally switched WLAN and mesh access points. multicast traffic including mDNS is simply bridged between the local VLAN and the SSID.
- mDNS is not supported on remote LANs.



**NO.142** 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?

- \* fast roaming
- \* static IP
- \* mDNS
- \* multicast

[https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-7/config-guide/b\\_cg87/flexconnect.html](https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-7/config-guide/b_cg87/flexconnect.html)

**NO.143** 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.)

- \* Permit 0.0.0.0 0.0.0.0 UDP any any
- \* Permit 0.0.0.0 0.0.0.0 any DNS any
- \* Permit 0.0.0.0 0.0.0.0 UDP DNS any
- \* Permit 0.0.0.0 0.0.0.0 UDP any DNS
- \* Permit any any any

Explanation

Seq	Action	Source IP/Mask	Destination IP/Mask	Protocol	Source Port	Dest Port
1	Permit	0.0.0.0 / 0.0.0.0	0.0.0.0 0.0.0.0	UDP	DNS	Any
2	Permit	0.0.0.0 / 0.0.0.0	0.0.0.0 / 0.0.0.0	UDP	Any	DNS

<https://www.cisco.com/c/en/us/support/docs/security/identity-services-engine/115732-central-web-auth-00.html>

**NO.144** An engineer must run a Client Traffic Stream Metrics report in Cisco Prime Infrastructure. Which task must be run before the report?

- \* scheduled report
- \* radio performance
- \* client status
- \* software

**NO.145** Which configured 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?

- \* Enable IGMPv3 on the central Layer 3 switch.
- \* Enable IGMP snooping on the WLC
- \* Enable multicast mode on the WLC
- \* Create multicast groups on the central Layer 3 switch.

Explanation

<https://www.cisco.com/c/en/us/support/docs/wireless-mobility/wireless-lan-wlan/81671-multicast-wlc-lap.html>

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