

# Cisco

## Exam Questions 300-430

Implementing Cisco Enterprise Wireless Networks (ENWLSI)



#### NEW QUESTION 1

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

**Answer: B**

#### NEW QUESTION 2

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

**Answer: D**

#### NEW QUESTION 3

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
```

A. 

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

B. 

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

**Answer: B**

#### NEW QUESTION 4

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) (%)

75

Reserved Roaming Bandwidth (0-25) (%)

6

Expedited bandwidth

☐

SIP CAC Support 3

☐ Enabled

Per-Call SIP Bandwidth 2

SIP Codec

G.711 ▾

SIP Bandwidth (kbps)

64

SIP Voice Sample Interval (msecs)

20 ▾

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

**Answer:** CD

#### NEW QUESTION 5

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

**Answer:** C

#### NEW QUESTION 6

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

**Answer:** A

#### NEW QUESTION 7

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

**Answer:** C

#### NEW QUESTION 8

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

**Answer:** C

#### NEW QUESTION 9

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 connects the issue?

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

**Answer:** B

#### NEW QUESTION 10

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

**Answer:** B

#### NEW QUESTION 10

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

**Answer:** B

#### NEW QUESTION 15

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

**Answer:** A

#### Explanation:

Reference: <https://www.cisco.com/c/en/us/support/docs/wireless/aironet-602-officeextend-access-point/117540-configure-splittunneloeap-00.html>

#### NEW QUESTION 20

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.

**Answer:** B

#### NEW QUESTION 22

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.

**Answer:** CD

**Explanation:**

Reference: [https://www.cisco.com/c/en/us/td/docs/wireless/mse/8-0/CMX\\_Connect\\_Engage\\_Visitor\\_Connect/Guide/Cisco\\_CMX\\_Connect\\_Engage\\_Config\\_Guide\\_VC/CMX\\_Facebook\\_Wi-Fi.html](https://www.cisco.com/c/en/us/td/docs/wireless/mse/8-0/CMX_Connect_Engage_Visitor_Connect/Guide/Cisco_CMX_Connect_Engage_Config_Guide_VC/CMX_Facebook_Wi-Fi.html)

**NEW QUESTION 26**

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

**Answer:** B

**NEW QUESTION 28**

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

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

**Answer:** A

**NEW QUESTION 30**

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

**Answer:** ACD

**NEW QUESTION 34**

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

**Answer:** ABE

**NEW QUESTION 39**

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

**Answer:** AE

**NEW QUESTION 44**

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

**Answer:** D

**NEW QUESTION 45**

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

**Answer:** A

#### NEW QUESTION 47

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

**Answer:** B

#### NEW QUESTION 50

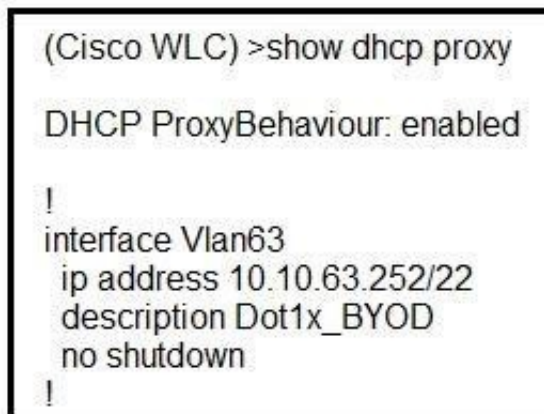
A Cisco WLC has been added to the network and Cisco ISE as a network device, but authentication is failing. Which configuration within the network device configuration should be verified?

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

**Answer:** D

#### NEW QUESTION 51

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
- B. The ISE configuration must be fixed.
- C. Disable DHCP proxy on the Cisco WLC.
- D. 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.
- E. Keep DHCP proxy enabled on the Cisco WLC and define helper-address under the VLAN interface to point to the two ISE servers.

**Answer:** C

#### NEW QUESTION 56

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.

**Answer:** B

#### Explanation:

Reference: [https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/configuration-guide/b\\_cg81/multicast\\_broadcast\\_setup.html](https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/configuration-guide/b_cg81/multicast_broadcast_setup.html)

#### NEW QUESTION 57

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 ProfileCorrect

**Answer:** B

**Explanation:**

Reference: [https://www.cisco.com/c/en/us/td/docs/wireless/controller/9800/config-guide/b\\_wl\\_16\\_10\\_cg/flexconnect.html](https://www.cisco.com/c/en/us/td/docs/wireless/controller/9800/config-guide/b_wl_16_10_cg/flexconnect.html)

**NEW QUESTION 59**

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