

<b>Exam</b>	<b>300-430</b>
<b>Title</b>	<b>Implementing Cisco Enterprise Wireless Networks (300-430 ENWLSI) Exam</b>
<b>Version</b>	<b>14.0</b>
<b>Product Type</b>	<b>216 Q&amp;A with explanations</b>

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**QUESTION 1**

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

Answer: D

Explanation:

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**QUESTION 2**

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

Answer: D

Explanation:

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**QUESTION 3**

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

Explanation:

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**QUESTION 4**

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

Answer: B

Explanation:

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**QUESTION 5**

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

Answer: B

Explanation:

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**QUESTION 6**

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

Answer: D

Explanation:

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**QUESTION 7**

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 engineers 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

Answer: A

Explanation:

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### QUESTION 8

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

Answer: D

Explanation:

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### QUESTION 9

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-accesspoint/117540-configure-splittunneloeap-00.html>

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### QUESTION 10

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

Answer: BC

Explanation:

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**QUESTION 11**

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

Answer: B

Explanation:

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**QUESTION 12**

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

Answer: D

Explanation:

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**QUESTION 13**

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

Explanation:

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**QUESTION 14**

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

Answer: D

Explanation:

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**QUESTION 15**

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.

Answer: D

Explanation:

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**QUESTION 16**

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.

Answer: BD

Explanation:

Reference: [https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes-3/b\\_Cisco\\_OfficeExtend\\_Access\\_Point\\_.pdf](https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes-3/b_Cisco_OfficeExtend_Access_Point_.pdf)

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### QUESTION 17

An enterprise has two WLANs configured on WLC. It is reported that when converting APs to FlexConnect mode, WLAN A works but WLAN B does not. When converting APs to local mode, WLAN B works, but WLAN A does not. Which action is needed to complete this configuration?

- A. Create a Cisco FlexConnect group with WLAN-VLAN mapping.
- B. Disable local switching on the WLANs.
- C. Map the AP group to the WLAN interface.
- D. Join the APs to a Cisco FlexConnect group.

Answer: A

Explanation:

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### QUESTION 18

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

Explanation:

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### QUESTION 19

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

Explanation:

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### QUESTION 20

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

Answer: A

Explanation:

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### QUESTION 21

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

Answer: C

Explanation:

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### QUESTION 22

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