

Cisco Unified Wireless Network Software Release 4.0.197.0

Q. What are the features of the Cisco Unified Wireless Network Software Release 4.0.197.0?

- A.** Remote access points in a Hybrid Remote-Edge Access Point (REAP) architecture expand from three to eight. Hybrid REAP capabilities introduced with Cisco Unified Wireless Network Software Release 4.0 allow remote deployment of the Cisco Aironet 1240 AG Series and Aironet 1130 AG Series Access Points from the WLAN controller, making them ideal for branch-office and small retail locations. Hybrid REAP capabilities help IT managers centrally control Service Set Identifiers (SSIDs), security parameters, and software loads, facilitating unified, enterprisewide WLAN services. With Cisco Unified Wireless Network Software Release 4.0.194.0, Hybrid REAP capabilities have been expanded to support up to eight lightweight access points.
- **Number of location probes per client increased from four to eight**—Increasing the number of location probes per client increases location accuracy.
 - **Transparent authentication server support**—Customer-specific 802.1X architecture (not public) is supported.
 - **Client redirect based on RADIUS response attributes**—An interim redirection step between authentication success and full access is supported to allow, for example, the user to be prompted to change the password or download a specific file after authentication but before full access.
 - **Basic multicast roaming support**—Multicast roaming through Internet Control Message Protocol (ICMP) messages to rejoin multicast groups after handoff is supported. The data path for multicast traffic would thus go directly from source to destination, while unicast traffic follows the Lightweight Access Point Protocol (LWAPP) path through the anchor controller to facilitate in fast handoffs.
 - **Multiple WLANs with the same SSID**—Multiple WLANs can now share the same SSID. This feature is useful in scenarios where different Layer 2 security policies may be used on different WLANs but the same SSID is desired across all. Note that the fundamentals of WLAN security policies remain unchanged—for example, there is only one Layer 2 and Layer 3 security policy, WLANs cannot appear to advertise overlapping security policies (no mixing of static and dynamic Wired Equivalent Privacy [WEP], although Wi-Fi Protected Access [WPA] and WPA2 ciphers and authenticated key management [AKM] can be mixed), and only one VLAN is allowed per WLAN.
 - **Support for disabling RADIUS accounting on a per-WLAN basis**—Prior RADIUS accounting activation and disable options were on a systemwide basis. These options can now be configured on a WLAN basis.

Please see the release notes for more details.

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