

Cisco Unified Wireless Network Software Release 4.0.206.0

New Features for Cisco Unified Wireless Network Software

Cisco® announces the availability of Cisco Unified Wireless Network Software Release 4.0.206.0. Table 1 lists new features supported in this release for the platforms noted. The new hardware platform the Cisco 2106 WLAN Controller is also introduced with this software release. The Cisco 2106 is a replacement for the Cisco 2006 Wireless LAN Controller.

Table 1. New Features for Cisco Unified Wireless Network Software Release 4.0

New Features	Cisco 2106 Wireless LAN Controller	Cisco Aironet® 1500 Series Wireless Mesh Access Points	Cisco Aironet Access Points Running Lightweight Access Point Protocol (LWAPP) ¹	Cisco 3201 Wireless Mobile Interface Card (WMIC) AP Running LWAPP	Cisco 4400 Series Wireless LAN Controllers	Cisco Catalyst® 3750G Integrated Wireless LAN Controller	Cisco Catalyst 6500 Series Wireless Services Module (WiSM)	Cisco Wireless LAN Controller Module (WLCM)	Cisco Wireless Location Appliance	Management Interfaces: Cisco Wireless Control System (WCS), Wireless LAN Controller Web User Interface, and Command Line Interface (CLI)
Multiple wireless LANs (WLANs) with the same Service Set Identifier (SSID)	X	X	X	X	X	X	X	X	X	X
Conditional Web redirect with 802.1X authentication	X	–	–		X	X	X	X	X	X
Ability to disable accounting servers per WLAN	X	–	–		X	X	X	X	–	X
Hybrid Remote Edge Access Point (REAP) support for 8 access points	X	–	X	X	X	X	X	X	–	–
Dynamic Frequency Selection added to access points in N regulatory domain	–	–	X		–	–	–	–	–	–

¹ Cisco Aironet 1000, Aironet 1100, Aironet 1130, Aironet 1230, Aironet 1240, Aironet 1300, and Aironet 1500 Series Lightweight Access Points

Cisco 2106 WLAN Controller

The Cisco® 2106 Wireless LAN Controller works in conjunction with Cisco lightweight access points and the Cisco Wireless Control System (WCS) to provide systemwide wireless LAN functions. As a component of the Cisco Unified Wireless Network, the Cisco 2106 Wireless LAN Controller presents network administrators with the visibility and control necessary to effectively and securely manage business-class WLANs and mobility services, such as enhanced security, voice, guest access, and location services.

The Cisco 2106 Wireless LAN Controller supports up to six lightweight access points, making it a cost-effective solution for multi-controller architectures typical of enterprise branch deployments. It may also be used for single controller deployments for small and medium-sized business environments. The Cisco 2106 Wireless LAN Controller provides eight Ethernet ports, two of which can provide power directly to Cisco lightweight access points.

For more information, visit: <http://www.cisco.com/en/US/products/ps6366/index.html>

LWAPP AP Support for The Cisco 3201 Wireless Mobile Interface Card (WMIC)

The Cisco 3200 Series is extending LWAPP/WCS support for The Cisco 3201 Wireless Mobile Interface Card (WMIC) configured as an access point only.

With Cisco Unified Wireless Network Software Release 4.0.206.0, customers can utilize their LWAPP controllers and WCS infrastructure to manage a 2.4GHz WMIC when deployed as a stationary access point. In addition to the new features listed in Table 1, The Cisco 3201 WMIC supports the same feature set as the Cisco Aironet 1300 Access Point running LWAPP.

With this release customers can purchase a new Cisco 3201 LWAPP WMIC for the North American and European markets. The SKUs can be ordered as a stand-alone WMIC or with select 3200 bundles. Below are the product names and part numbers for the LWAPP WMICs.

Table 2. Cisco 3200 802.11g LWAPP WMIC Product Numbers

Product Name	Part Number
Cisco 3200 802.11g LWAPP WMIC AP for Most of Europe AG 3200	C3201LAP-E-K9
Cisco 3200 802.11g LWAPP WMIC AP w/Thermal Plates for Europe	C3201LAP-TPE-K9
Cisco 3200 802.11g LWAPP WMIC AP for N America	C3201LAP-A-K9
Cisco 3200 802.11g LWAPP WMIC AP w/Thermal plates for N America	C3201LAP-TPA-K9

Multiple WLANs with the Same SSID

This feature enables users to configure multiple WLANs with the same SSID for the purpose of assigning different Layer 2 security policies within the same WLAN. To distinguish among WLANs with the same SSID, the user needs to create a unique profile name for each WLAN.

Conditional Web Redirect with 802.1X Authentication

This feature conditionally redirects users to a Webpage after successful completion of 802.1X authentication. Network administrators can specify the redirect page and the conditions under which the redirect occurs through the RADIUS server or the controller GUI or CLI. Such conditions might include password expiration or an unpaid bill. This feature is available only for WLANs that are configured for 802.1X Layer 2 security.

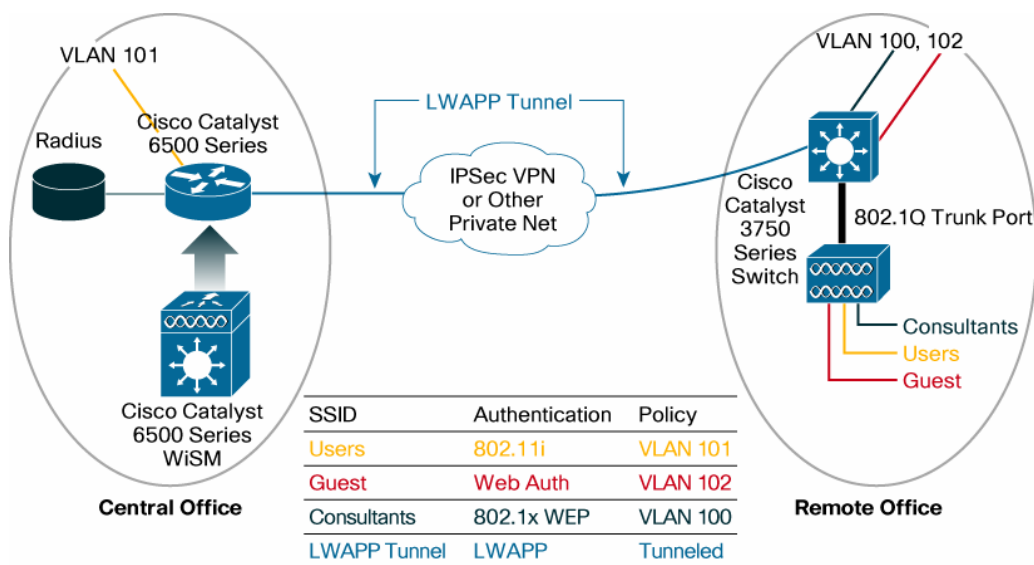
Ability to Disable Accounting Servers per WLAN

A new check box has been added for "Accounting Servers Enabled". By selecting this check box, users can disable all accounting servers for a WLAN and prevent the controller from falling back to the default RADIUS server for the WLAN.

Hybrid Remote Edge Access Point Support for 8 Access Points

Remote edge access point (REAP) capabilities introduced with Cisco Unified Wireless Network Software Release 4.0 allow remote deployment of the Cisco Aironet 1240 AG and Aironet 1130 AG Series Access Points from the WLAN controller, making them ideal for branch-office and small retail locations. Hybrid REAP capabilities (Figure 1) help IT managers centrally control SSIDs, security parameters, and software loads, facilitating unified, enterprisewide WLAN services. With Cisco Unified Wireless Network Software Release 4.0.206.0, Hybrid REAP capabilities have been expanded to support up to 8 lightweight access points.

Figure 1. REAP Capabilities Allow Users to Deploy Access Points in Remote Offices, and Choose Whether They Want to Have Traffic Bridged Locally or Tunneled over the WAN over LWAPP on a Per-SSID Basis



Dynamic Frequency Selection Added to Access Points in N Regulatory Domain

Dynamic frequency selection (DFS) is enabled automatically on Cisco lightweight access points that are configured for use in the -N regulatory domain (Mexico, Australia, Hong Kong, India, and New Zealand). The access points use DFS to detect radar signals such as military and weather sources and then switch channels to avoid interfering with them.

Download the New Software for This Release

Download Cisco Unified Wireless Network Software Release 4.0.206.0 from the Cisco Wireless Software Display Tables at

http://www.cisco.com/cgi-bin/tablebuild.pl/2100_series_Wireless_LAN_controller

Related Information

- For more information about Cisco WLAN products, visit: <http://www.cisco.com/go/wireless>

- For more information about the Cisco Unified Wireless Network, visit:
<http://www.cisco.com/go/unifiedwireless>



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