



Release Notes for Catalyst 6500 Series Switch and Cisco 7600 Series Wireless LAN Services Module Software Release 2.5.0

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This publication describes the features, modifications, and caveats for the Catalyst 6500 series and Cisco 7600 series Wireless LAN Services Module (WLSM) software release 2.5.0.

This maintenance release does not introduce new features and does not resolve WLSM-related caveats. However, caveats were resolved in WDS, which affects the WLSM. Therefore, the purpose of this release is to maintain compatibility between WLSM software and access point WDS software.



Note

For installation and configuration procedures for the WLSM, refer to the Catalyst 6500 series and Cisco 7600 series Wireless LAN Services Module documentation at this URL:

http://cisco.com/en/US/products/ps5865/tsd_products_support_model_home.html

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System Requirements

This section describes the system requirements for the Catalyst 6500 series and Cisco 7600 series WLSM software release 2.5.0:

- [Hardware Requirements, page 2](#)
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Hardware Requirements

The wireless LAN software requires the following hardware:

- Catalyst 6500 series switch or Cisco 7600 series router
- Supervisor Engine 720
- Catalyst 6500 series and Cisco 7600 series WLSM

Software Requirements

[Table 1](#) lists the wireless LAN software versions supported by Cisco IOS software.

Table 1 *Wireless LAN Software Compatibility*

Product Number	Minimum WLAN Software Version		Recommended WLAN Software Version		Minimum Cisco IOS Software
	Application Image	Maintenance Image	Application Image	Maintenance Image	
WS-SVC-WLAN-1-K9 with Supervisor Engine 720	1.1.1	3.1(1)	2.1.1	3.1(1)	12.2(18)SXF2

Solution Requirements

In addition to the hardware and software requirements, the WLSM also requires the following:

- Cisco Aironet 1100, 1130AG, 1200, 1230AG, and 1240AG Series Access Points and Cisco Aironet 1300 Series Outdoor Access Point/Bridge using Cisco IOS Release 12.2(15)XR or Release 12.3(2)JA or later, Cisco Aironet 1130 Series Access Point using Cisco IOS Release 12.3(2)JA or later, or Cisco Aironet 1310 Outdoor Access Point/Bridge (configured in access point mode) using Cisco IOS Release 12.3(2)JA or later
- CiscoWorks Wireless LAN Solution Engine (WLSE) release 2.7(1) or later

WLSM Software Version to Cisco IOS Software Version Mapping

Table 2 shows the mapping between WLSM software versions and Cisco IOS Software versions.

Table 2 WLSM Software Version to Cisco IOS Software Version Mapping

WLSM Image Version	Cisco IOS Software Version
2.5.0	12.3(8)JEC1
2.4.1	12.3(8)JEB1
2.4.0	12.3(8)JEB
2.3.1	12.3(8)JEA1
2.2.1	12.3(8)JEA
2.1.1	12.3(8)JA
1.4.3 (deferred)	12.3(7)JA2
1.4.2 (deferred)	12.3(7)JA1
1.4.1 (deferred)	12.3(7)JA
1.3.2 (deferred)	12.3(4)JA1
1.3.1 (deferred)	12.3(4)J
1.2.3 (deferred)	12.3(2)JA5
1.2.2 (deferred)	12.3(2)JA2
1.2.1 (deferred)	12.3(2)JA
1.1.2 (deferred)	12.2(15)XR2
1.1.1 (deferred)	12.2(15)XR1

Limitations and Restrictions

This section describes general limitations and restrictions:

- In software release 1.1.1 through 1.4.1, you can install one WLSM in a chassis.
- In software release 2.1.1, you can install two WLSMs, which requires Cisco IOS Release 12.2(18)SXF2.
- You cannot configure wireless clients in the same subnet as wired clients.
- You cannot map multiple SSIDs to a single network ID.
- You cannot configure QoS on tunnel interfaces in systems with a PFC3A. There is full QoS support in systems with a PFC3B or PFC3BXL.
- If you upgrade your Supervisor 720 to Cisco IOS Release 12.2(18)SFX2, you must be running Cisco Wireless LAN Services Module software version 1.4.3 or greater on your WLSM.

Documentation Updates

- The *Cisco Catalyst 6500 Series Wireless LAN Services Module: Detailed Design and Implementation Guide* contains an incorrect entry pertaining to default gateway IP addresses
The WLSM Failover—The “DHCP Configuration” section on page 56 states that the DHCP server must be configured to return both IP address to the client. This is not correct because the specific default gateway that a client uses is ignored by the access point and all traffic is sent to the upstream tunnel address. The tunnel address changes after the access point registers with the backup WDS and new tunnels are created by its corresponding Supervisor 720 module. Only one gateway is needed.
This discrepancy is documented in open caveat CSCej53619.

Open and Resolved Caveats in Software Release 2.5.0

These sections describe open and resolved caveats in Wireless LAN software release 2.5.0:

- [Open Caveats in Software Release 2.5.0, page 4](#)
- [Resolved Caveats in Software Release 2.5.0, page 4](#)

Open Caveats in Software Release 2.5.0

- CSCsm71956—When you use the local radius server on a WDS master access point for infrastructure access point authentication and use other radius servers for client authentications, client and infrastructure access point authentications fail to pass through the WDS master access point if the primary radius server for client authentication is down and the WDS master access point is rebooted. In addition, the WLCCP WDS process may start to hold onto memory.
Workaround: Remove the Radius server that is no longer responding from the configuration. This workaround causes issues if you are using Radius server failover but it allows client and infrastructure authentications to pass.
- CSCsm94076—The output of the **show wlccp wnm status** command on an 1130 series access point running Cisco IOS Software release 12.4(10b)JA shows that the access point and the WLSE are not authenticated.
Workaround: Enable all radio interfaces so that they are listed as up in the output of the show ip interfaces brief command. Leave them up until the WLCCP link displays SECURITY_KEYS_SETUP; then you can shut down any radio interfaces. After a reboot the SECURITY_KEYS_SETUP remains.

Resolved Caveats in Software Release 2.5.0

- CSCs195464—Access points serving as WDS units no longer crash on the WLCCP WDS process.

Related Documentation

For additional information about Catalyst 6500 series switches and command-line interface (CLI) commands, refer to the following:

- *Regulatory Compliance and Safety Information for the Catalyst 6500 Series Switches*
- *Catalyst 6500 Series Switch Installation Guide*
- *Catalyst 6500 Series Switch Module Installation Guide*
- *Catalyst 6500 Series Switch Software Configuration Guide*
- *Catalyst 6500 Series Switch Command Reference*
- *Catalyst 6500 Series System Message Guide*
- *Catalyst 6500 Series Switch Cisco IOS Software Configuration Guide*
- *Catalyst 6500 Series Switch Cisco IOS Command Reference*
- *Release Notes for Cisco IOS Release 12.2SX on the Catalyst 6500 and Cisco 7600 Supervisor Engine 720*
- For information about MIBs, refer to this URL:
<http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml>

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New* in Cisco Product Documentation, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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