



Product Bulletin No. 3202

CiscoWorks LAN Management Solution 2.5.1

Product Overview

Cisco Systems® announces the availability of the CiscoWorks LAN Management Solution (LMS) 2.5.1 for Windows and Solaris. Minor update kits for existing CiscoWorks LMS 2.x customers are also being released. (Updates will also be available for download from Cisco.com.) A 25 percent price increase will be effective on new orders of the CiscoWorks LMS 2.5.1 Large Enterprise product offering with unrestricted device support beginning January 1, 2006. Please see Table 4 under the “Pricing and Availability” section for details.

The CiscoWorks LMS 2.5.1 release includes significant improvements in reliability, usability, installation, and upgrades. It also includes a rollup of all previously released incremental device updates and service packs. Customers who have already upgraded to CiscoWorks LMS 2.5 are strongly encouraged to update their existing product to the CiscoWorks LMS 2.5.1 release. A bundle-level update will also be posted to Cisco.com for customers with Software Center access. Customers can download and apply these updates to their existing CiscoWorks LMS 2.5 systems or choose to request the physical CD-ROMs that come in the minor update kit.

The CiscoWorks LMS 2.5.1 release is an important milestone in providing network-management tools for simplifying the configuration, performance monitoring, and troubleshooting of Cisco® devices in today’s enterprises. It introduces a centralized system for sharing device information across all applications, improving manageability and allowing the management system to more dynamically adjust to changes. CiscoWorks LMS 2.5.1 also offers a new lightweight desktop interface that facilitates rapid navigation between tools and can be modified to individual workflow needs. CiscoWorks LMS 2.5.1 uses security information maintained in Cisco Secure Access Control Server (ACS) to simplify the management of user privileges. Cisco Secure ACS integration provides flexibility in defining user roles, and supports secured user views of specific devices, groups of devices, or by geographic or logical network segments. Significant improvements in performance, such as multithreading background tasks, have reduced the time needed to deliver updates to the network and to generate reports. Efficient task processing and its shared database of managed devices allow CiscoWorks LMS to be deployed into larger networks.

With the CiscoWorks LMS 2.5.1 release, Cisco is offering two purchasing options: the CiscoWorks LMS Large Enterprise package, designed to manage a large number of Cisco network devices, supports the deployment of individual components on separate servers. The 300-device limited version is appropriate for smaller enterprises or when multiple copies of CiscoWorks LMS are deployed to branch or regional locations. Both feature a new user-registration process that results in a license being sent during installation. The complete collection of applications in the CiscoWorks LMS 2.5.1 suite provides the foundation for managing the critical infrastructure of the network.

CiscoWorks LMS 2.5.1 includes:

- CiscoWorks Device Fault Manager (DFM) 2.0.3
- CiscoWorks Campus Manager 4.0.3
- CiscoWorks Resource Manager Essentials (RME) 4.0.3
- CiscoWorks Internetwork Performance Monitor (IPM) 2.6
- CiscoWorks CiscoView 6.1.2
- CiscoWorks Common Services 3.0.3

Table 1 lists the features of CiscoWorks LMS 2.5.1.

Table 1. CiscoWorks LAN Management Solution 2.5.1 Features

Feature	Description
Device fault management	CiscoWorks DFM provides real-time fault detection, analysis, and reporting using device knowledge and fault rules based on Cisco best practices for each device.
Campus management	CiscoWorks Campus Manager includes a robust set of Layer 2 tools for device and connectivity discovery, detailed topology views, virtual LAN/LAN Emulation (VLAN/LANE) and ATM configuration, end-station tracking, Layer 2 and 3 path analysis, and IP phone user and path information.
Resource management	CiscoWorks RME provides tools for managing Cisco devices using inventory and device change management, network-configuration and software-image management, and network-availability and syslog analysis.
Graphical device management	CiscoWorks CiscoView provides back- and front-panel displays of devices in a dynamic, color-coded graphical display. Simplifies device-status monitoring, device-specific component diagnostics, and application launching.
WAN performance	CiscoWorks IPM is a network response-time and availability troubleshooting application. This tool empowers network engineers to proactively troubleshoot network performance using real-time and historical reports.
Common services	CiscoWorks Server provides for a common management desktop experience and services for securing access to all CiscoWorks applications. Facilities include a foundation for integrating with other Cisco and third-party applications.

New Features

The new features of CiscoWorks LMS 2.5.1 broaden the solution choices for small or large enterprise and service provider customers. Its enhancements focus on the important areas of network security, performance, scalability, and improved navigation and usability. Additionally, CiscoWorks LMS 2.5.1 offers new packaging and licensing options and support for newer versions of operating systems and browsers.

New features in CiscoWorks LMS 2.5.1 include:

- **Improved security management** – Integration with Cisco Secure ACS allows a user’s network login credentials to secure access to CiscoWorks LMS tools, devices, and views of the network. Implementation of Simple Network Management Protocol Version 3 (SNMPv3) and Secure Copy Protocol (SCP) enhances the security of management instructions sent to devices, and configuration and software update files sent over the network.
- **Performance management** – CiscoWorks Internetwork Performance Monitor (IPM) is now included. CiscoWorks IPM samples data packets between user-defined points in the network or over a WAN to determine data paths, hops, and traffic performance. The new lightweight design of CiscoWorks CiscoView 6.1 provides port and device traffic statistics and provides mini-Remote Monitoring (RMON) statistics monitoring. (Mini-RMON support is a downloadable plug-in.)
- **Device-level data integration** – CiscoWorks LMS uses a new centralized Device Credential Repository (DCR), allowing CiscoWorks LMS applications to share common device and inventory knowledge. Data is shared between applications on a single server and also between individual applications that are distributed to other servers.
- **Improved usability** – A user-customizable desktop interface allows frequently used functions to be “bookmarked.” New options simplify setting up and centrally managing users’ access privileges to devices and tools. Applications launch faster and users can quickly jump between applications and generate reports.
- **System support** – CiscoWorks LMS 2.5.1 supports Windows 2003 Server (Standard and Enterprise Editions) and Solaris 8 and 9.

Upgrade Options

CiscoWorks LMS 2.5.1 offers two upgrade programs. Tables 2 and 3 provide information on upgrade paths available to customers currently owning specific older versions of CiscoWorks LMS or related products such as CiscoWorks Routed WAN Management Solution (RWAN) or CiscoWorks Small Network Management Solution (SNMS). CiscoWorks LMS 2.5.1 introduces user registration and electronic licensing. The prerequisites listed in the following update and upgrade options are enforced through CiscoWorks LMS licensing, and customers may be asked to provide evidence of the prerequisite product to successfully complete the CiscoWorks LMS 2.5.1 installation.

Table 2. CiscoWorks LMS 2.x to CiscoWorks LMS 2.5.1 Minor Update Options

User's Current Release	CiscoWorks LMS Service Contract	What to Order for CiscoWorks LMS 2.5.1
CiscoWorks LMS 2.0, 2.1, 2.2, or 2.5	Yes	Customers can request minor update kits from the Cisco Product Upgrade Tool at: www.cisco.com/upgrade Customers with CiscoWorks LMS 2.5 Enterprise (300-device restricted license) can request the CWLMS-DEC05RSR-K9 Service Release kit. All other CiscoWorks LMS 2.x customers should request CWLMS-DEC05URSR-K9 (Service Release kit of CiscoWorks LMS 2.5.1 Large Enterprise with unrestricted device support; for Windows and Solaris server systems). Requires Software Application Support (SAS) service contract
CiscoWorks LMS 2.0, 2.1, 2.2, or 2.5	No	Customers with CiscoWorks LMS 2.5 Enterprise (300-device restricted license) can order the CWLMS-DEC05RMR-K9 Minor Release kit. All other CiscoWorks LMS 2.x customers should order CWLMS-DEC05URMR-K9 (Minor Release kit of CiscoWorks LMS 2.5.1 Large Enterprise with unrestricted device support; for Windows and Solaris server systems).

Table 3. CiscoWorks LMS 1.x, RWAN 1.x, and SNMS 1.x Upgrade Options

User's Current Release	User Wants	What to Order for CiscoWorks LMS 2.5.1
CiscoWorks LMS 1.x, RWAN 1.x, or SNMS 1.x	CiscoWorks LMS 2.5.1 Enterprise (300-device restricted)	CWLMS-2.5-RUP-K9 (Major Upgrade to CiscoWorks LMS 2.5.1 Enterprise, 300-device restricted license; for Windows and Solaris server systems)
CiscoWorks LMS 1.x, RWAN 1.x	CiscoWorks LMS 2.5.1 Large Enterprise (unrestricted device license)	CWLMS-2.5-URUP-K9 (Major Upgrade to CiscoWorks LMS 2.5.1 Large Enterprise, unrestricted device license; for Windows and Solaris server systems)
CiscoWorks LMS 2.5.1 Enterprise (300-device restricted license)	CiscoWorks LMS 2.5.1 Large Enterprise (unrestricted device license)	CWLMS-2.5-RCONV-K9 (Conversion Upgrade from CiscoWorks LMS 2.5.1 Enterprise to CiscoWorks LMS 2.5.1 Large Enterprise, unrestricted device license; for Windows and Solaris server systems)

Pricing and Availability

A 25 percent increase in pricing will go into effect on January 1, 2006 for the CiscoWorks LMS 2.5.1 (unrestricted device license) new and upgrade products only (Table 4). The new pricing will not impact orders placed prior to this date. CiscoWorks LMS 2.5.1 and associated minor release update kits will begin shipping on December 19, 2005. Customers can order these new products through normal Cisco sales channels as of December 12, 2005.

Table 4. New Pricing for CiscoWorks LMS 2.5.1 Large Enterprise

Product Part Number	Description	Price Increase
CWLMS-2.5-UR-K9	CiscoWorks LMS 2.5.1 Large Enterprise with unrestricted device license; for Windows and Solaris server systems	25%
CWLMS-2.5-URUP-K9	Major upgrade to CiscoWorks LMS 2.5.1 Large Enterprise with unrestricted device license; for Windows and Solaris server systems	25%
CWLMS-2.5-RCONV-K9	Conversion upgrade from CiscoWorks LMS 2.5.1 Enterprise to LMS 2.5.1 Large Enterprise with unrestricted device license; for Windows and Solaris server systems	25%

This price increase will apply to all orders placed for any of the above products after January 1, 2006. Current pricing will be honored for all orders received prior to January 1, 2006.

The pricing of the CiscoWorks LMS 2.5.1 Enterprise (300-device restricted usage license) and related upgrade, product ordering numbers CWLMS-2.5-R-K9 and CWLMS-2.5-RUP-K9, will remain unchanged.

Ordering Information

Table 5 lists ordering information for CiscoWorks LMS 2.5.1.

Table 5. Ordering Information

Part Number	Description
CWLMS-2.5-UR-K9	CiscoWorks LMS 2.5.1 Large Enterprise for Windows and Solaris, with unrestricted device license and one server-installation license.
CWLMS-2.5-R-K9	CiscoWorks LMS 2.5.1 Enterprise for Windows and Solaris, with 300-device restricted license and one server-installation license.
CWLMS-2.5-URUP-K9	Upgrade from CiscoWorks LMS 1.x or RWAN 1.x to CiscoWorks LMS 2.5.1 Large Enterprise for Windows and Solaris server systems with unrestricted device license and one server-installation license. (Note: CiscoWorks SNMS 1.x customers must upgrade to CiscoWorks LMS 2.5.1 Enterprise through part number CWLMS-2.5-RUP-K9 before purchasing the conversion upgrade to CiscoWorks LMS 2.5.1 Large Enterprise through part number CWLMS-2.5-RCONV-K9.)
CWLMS-2.5-RUP-K9	Upgrade from CiscoWorks LMS 1.x, RWAN 1.x, and SNMS 1.x to CiscoWorks LMS 2.5.1 Enterprise for Windows and Solaris server systems with 300-device restricted license and one server-installation license.
CWLMS-2.5-RCONV-K9	Upgrade from CiscoWorks LMS 2.5.1 Enterprise to CiscoWorks LMS 2.5.1 Large Enterprise for Windows and Solaris server systems with unrestricted device license and one server-installation license.
CWLMS-DEC05RMR-K9	Minor update kit for existing CiscoWorks LMS 2.5 to CiscoWorks LMS 2.5.1 Enterprise for Windows and Solaris server systems with 300-device restricted license and one server-installation license.
CWLMS-DEC05URMR-K9	Minor update kit for existing CiscoWorks LMS 2.0, 2.1, 2.2, and 2.5 to CiscoWorks LMS 2.5.1 Large Enterprise for Windows and Solaris server systems with unrestricted device license and one server-installation license.
CON-SAS-CWLMS25U	Software Application Support (SAS) for CiscoWorks LMS 2.5.1 Large Enterprise for Windows and Solaris server systems with unrestricted device license. Provides Cisco Technical Assistance Center (TAC) support, Cisco.com Software Center access, and minor updates.
CON-SAS-CWLMS25R	SAS for CiscoWorks LMS 2.5.1 Enterprise for Windows and Solaris server systems with 300-device restricted license. Provides Cisco TAC support, Cisco.com Software Center access, and minor updates.

Note: Interim patches and bundle-level updates are available for the components listed. Please check the Cisco.com Software Center at: <http://www.cisco.com/kobayashi/sw-center/cw2000/lan-planner.shtml>. (Cisco.com login is required to view this content)

Existing Products Affected

With the availability of CiscoWorks LMS 2.5.1 Large Enterprise, Cisco is announcing the end of sale for the following products. Please see Table 6 for details. Customers who require copies of the older CiscoWorks LMS 2.2, May 2003 minor release update should refer to the CiscoWorks LMS 2.2 end-of-sale and end-of-life product bulletin #2747 for details on placing orders before the end-of-sale date. Information on timelines regarding technical support for past versions is provided in CiscoWorks LMS end-of-sale documentation. For more information, please visit:

http://www.cisco.com/en/US/products/sw/cscowork/ps2425/prod_eol_notices_list.html

Table 6. End-of-Sale Products

Part Number	Description
CWLMS-2.5-MR-K9	Minor Release update for CiscoWorks LMS 2.0, 2.1, and 2.2 to CiscoWorks LMS 2.5 Large Enterprise with unrestricted device license; for Windows and Solaris server systems.
CWLMS-2.5-SR-K9	Service Release update for CiscoWorks LMS 2.0, 2.1, and 2.2 to CiscoWorks LMS 2.5 Large Enterprise with unrestricted device license; for Windows and Solaris server systems.

The nGenius Real-Time Monitor application offered in previous releases of CiscoWorks LMS is no longer included in the solution. The CiscoWorks Internetwork Performance Monitor (IPM), previously offered in the CiscoWorks Routed WAN Management Solution (RWAN), has now been added to this release.

The nGenius Real-Time Monitor end-of-sale and end-of-life announcement is available at:

http://www.cisco.com/en/US/products/sw/cscowork/ps2803/prod_eol_notices_list.html

The CiscoWorks RWAN end-of-sale and end-of-life announcement is available at:

http://www.cisco.com/en/US/products/sw/cscowork/ps2426/prod_eol_notices_list.html

For More Information

For more information about the CiscoWorks LAN Management Solution, visit <http://www.cisco.com/go/lms>, contact your local Cisco sales representative, or send an e-mail to the Product Marketing group at <mailto:lms-pm@cisco.com>.

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