

CiscoWorks LAN Management Solution 4.0

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CiscoWorks LAN Management Solution (LMS) is an integrated suite of management functions that simplify the configuration, administration, monitoring, and troubleshooting of Cisco® networks. CiscoWorks LMS allows network operators to manage the network through a browser-based interface that can be accessed anytime from anywhere within the network. CiscoWorks LMS 4.0 is a major new release that improves the overall user experience, providing new workflows built on functional partitioning that aligns the product with the way network operators do their jobs. Once installed, “out-of-the-box” monitoring and troubleshooting dashboards provide actionable information to quickly isolate and fix network problems before they impact services. Configuring and deploying updates to the network has never been easier with the new Template Center, which incorporates Cisco Validated Designs and links to download the latest configuration templates from Cisco.com simplifying platform and technology rollout and reducing the chance for errors. New “Work Centers” provide a single area where guided workflows give step-by-step instructions to help operators quickly provision, monitor, and manage new Cisco value-added technologies and solutions, such as EnergyWise, TrustSec/Identity, Auto Smartports, and Smart Install.

New Features

CiscoWorks LMS 4.0 is a new management paradigm, focused on a new user experience that promotes real-time actionable information with an intuitive set of predefined dashboards. In addition to the portlets and functionality delivered in previous versions of LMS, significant new enhancements and features are being delivered in the LMS 4.0 release. A summary of the new functional areas can be found in Table 1. For detailed information on the features of CiscoWorks LMS 4.0, please refer to the product data sheet and the “Getting Started” section of the LMS 4.0 user documentation, which can be found at <http://www.cisco.com/go/lms>.

Table 1. CiscoWorks LAN Management Solution 4.0 New Functional Areas

Functional Area	Description
Monitoring and Troubleshooting	<p>Quickly and proactively identify and fix network problems before they affect end users or service (question; I'd prefer to use the word impact rather than affect. Impact has a stronger connotation wrt manageability.</p> <ul style="list-style-type: none"> Centralized fault and event (consolidated, syslog, traps, and events and alarms). Quick navigation to and “hover-over” to identify problem areas. Embedded troubleshooting workflow for quick problem isolation and remediation. Simple Network Management Protocol (SNMP)-based polling to identify availability and performance issues. Integration with Cisco Network Analysis Module (NAM) for detailed performance analysis and troubleshooting (packet-level decode, protocol analysis, top talkers, and so on).
Configuration Management	<p>Configuration backup, software image management, compliance, change management required to maintain and update network devices</p> <ul style="list-style-type: none"> Cisco best practices configuration templates - deploy full or partial configurations based on Cisco validated design recommendations. Dynamic guided workflows reduce chance for errors. Extensible configuration library, new updates, and configuration templates can easily be downloaded from Cisco.com. Integration with Cisco Configuration Professional assists with deployment of multidevice Cisco Configuration Professional-generated configuration files, makes use of LMS configuration templates and scheduler.

Functional Area	Description
Inventory	<p>Complete and thorough inventory of all Cisco equipment details - chassis, module, interface.</p> <ul style="list-style-type: none"> Provides a single menu for discovery status, device status, user tracking, and inventory dashboards. Support for more than 560 Cisco device types. Day-one device support allows new device packages to be downloaded the day the platform ships.
Reporting	<p>All reports are centralized in a single menu simplifying navigation and access to detailed reports and information</p> <ul style="list-style-type: none"> Inventory, end-of-sale, Cisco Product Security Incident Response Team (PSIRT), configuration and compliance, user tracking, and all other CiscoWorks reports are represented in a consolidated menu. Reports can be easily scheduled to run immediately or daily, weekly, or monthly and can be viewed online or optionally exported to a file or comma-separated value (CSV) file (CSV).
Work Centers	<p>End-to-end "lifecycle" management of Cisco value-added technologies - deployment, monitoring, and management of EnergyWise, TrustSec/Identity, Auto Smartports, Smart Install.</p> <ul style="list-style-type: none"> Getting started workflows provide simplified configuration and setup of infrastructure for supporting Cisco technologies. Dashboards provide up-to-date status on configuration, inventory, and monitoring for troubleshooting purposes.
Administration	<p>Getting started and improved workflows simplify application setup and administration.</p> <ul style="list-style-type: none"> All administrative functions for setting up and configuring the application are centralized for easier access.

New Product Structure

CiscoWorks LMS 4.0 is now a single integrated application. The traditional applications, Resource Manager Essentials, Campus Manager, Device Fault Manager, Internet Performance Monitor, and Health and Utilization Manager have been integrated into monitoring, configuration, inventory, reporting, work centers, and administration functional areas, aligning the overall user experience with the way network operators manage networks. CiscoWorks LMS uses a size-based licensing model where pricing is based upon the total number of managed devices. Three new part numbers are being introduced to provide better linearity in the size-based licensing model.

These include a new Small Business Edition (CWLMS-4.0-SBE) for 50 or fewer devices, as well as support for 750 or fewer and 2500 or fewer devices. In addition, optional remote monitoring and collector licenses will be available in three sizes for distributing polling and collection functionality to help improve overall application performance and scalability.

Product Upgrades and Data Migration

Upgrades are available for existing 2.x and 3.x LMS customers at a substantial discount to help protect prior investment made in CiscoWorks LMS. Data migration is supported **only** for customers on LMS 2.6 and LMS 3.0 or later releases.

Product Availability and Updates

Cisco Works LMS 4.0 will be available for ordering on September 13th, 2010 and will be shipping (First Customer Ship [FCS]) on September 22nd, 2010. CiscoWorks LMS 4.0 is a major product release and is not covered under existing Software Application and Support (SAS) contracts. Customers who wish to move to the LMS 4.0 release will need to purchase one of the upgrade part numbers listed in Table 2. Upgrades are available for existing CiscoWorks LMS 2.x and 3.x customers.

End of Sale is being announced for the LMS 3.2 product in conjunction with the availability of LMS 4.0. The LMS 3.2 product will continue to be sold for a minimum of six months as per Cisco policy. For more information refer to the CiscoWorks LMS 3.2 end-of-sales announcement.

Ordering Information

CiscoWorks LMS 4.0 is based on a size-based licensing model. Whether you have 50 or 10,000 Cisco devices, ordering CiscoWorks LMS 4.0 to fit your network requirements is easy and simple. Order the appropriate part number from Table 2 based on the number of Cisco devices to be managed. Device licenses are not additive; a set of optional conversion part numbers are available electronically to help move from one size to the next (see Table 3).

CiscoWorks LMS is available as physical media or is electronically downloadable from <http://www.cisco.com/go/nmsevals>. If the product is downloaded, an evaluation license is installed by default entitling the user to 90 days of use for 100 devices until the purchased license (Product Activation Key [PAK]) is applied. Electronic licenses are designated with a prefix of L, and the part numbers are listed in Table 3.

Table 2. CiscoWorks LAN Management Solution 4.0 Ordering Information

Part Number	Description
CWLMS-4.0-SBE-K9	CiscoWorks 4.0 Small Business Edition for networks of 50 or fewer devices.
CWLMS-4.0-100-K9	CiscoWorks LMS 4.0 for 100 or fewer Cisco network devices for Windows only.
CWLMS-4.0-300-K9	CiscoWorks LMS 4.0 for up to 300 Cisco network devices for Windows and Solaris operating systems.
CWLMS-4.0-750-K9	CiscoWorks LMS 4.0 for up to 750 Cisco network devices. Installation DVDs for Windows and Solaris operating systems provided.
CWLMS-4.0-1.5K-K9	CiscoWorks LMS 4.0 for up to 1500 Cisco network devices. Installation DVDs for Windows and Solaris operating systems provided.
CWLMS-4.0-2.5K-K9	CiscoWorks LMS 4.0 for up to 2500 Cisco network devices. Installation DVDs for Windows and Solaris operating systems provided.
CWLMS-4.0-5K-K9	CiscoWorks LMS 4.0 for up to 5000 Cisco network devices. Installation DVDs for Windows and Solaris operating systems provided.
CWLMS-4.0-10K-K9	CiscoWorks LMS 4.0 for up to 10,000 Cisco network devices. Installation DVDs for Windows and Solaris operating systems provided.
CWLMS-4.0-100UPK9	Major upgrade kit from LMS 2.x or 3.x to CiscoWorks LMS 4.0 for up to 100 Cisco network devices. All applications can be installed and run on a single server. Installation DVDs for Windows and Solaris operating systems provided.
CWLMS-4.0-300UPK9	Major upgrade kit from LMS 2.x or 3.x to CiscoWorks LMS 4.0 for up to 300 Cisco network devices. All applications can be installed and run on a single server. Installation DVDs for Windows and Solaris operating systems provided.
CWLMS-4.0-1.5KUPK9	Major upgrade kit from LMS 2.x or 3.x to CiscoWorks LMS 4.0 for up to 1500 Cisco network devices. All applications can be installed and run on a single server. Installation DVDs for Windows and Solaris operating systems provided.
CWLMS-4.0-5KUPK9	Major upgrade kit from LMS 2.x or 3.x to CiscoWorks LMS 4.0 for up to 5000 Cisco network devices. Applications can be installed and run on multiple servers. Installation DVDs for Windows and Solaris operating systems provided.
CWLMS-4.0-10KUPK9	Major upgrade kit from LMS 2.x or 3.x to CiscoWorks LMS 4.0 for up to 10,000 Cisco network devices. Applications can be installed and run on multiple servers. Installation DVDs for Windows and Solaris operating systems provided.

CiscoWorks LMS is available for e-delivery by ordering part numbers that are designated with the prefix L. These only include the software license (Product Activation Key). When ordering electronically, the software images must be downloaded from the evaluation site, or the physical media can be obtained by ordering part number CWLMS-4.0-SW-K9, which is a base kit that includes two DVDs with Solaris and Windows media, and the licenses need to be ordered using the part numbers in Table 3.

Table 3. CiscoWorks LAN Management Solution 4.0 E-Delivery Information

Part Number	Description
L-CWLMS-4.0-SBE	E-delivery license for CiscoWorks LMS 4.0 for 50 or fewer Cisco network devices. The physical media need to be ordered separately, or the evaluation can be downloaded from Cisco Marketplace.
L-CWLMS-4.0-100	E-delivery license for CiscoWorks LMS 4.0 for 100 or fewer Cisco network devices. The physical media need to be ordered separately, or the evaluation can be downloaded from Cisco Marketplace.
L-CWLMS-4.0-300	E-delivery license for CiscoWorks LMS 4.0 for up to 300 Cisco network devices. The physical media need to be ordered separately, or the evaluation can be downloaded from Cisco Marketplace.
L-CWLMS-4.0-750	E-delivery license for CiscoWorks LMS 4.0 for up to 750 Cisco network devices. The physical media need to be ordered separately, or the evaluation can be downloaded from Cisco Marketplace.
L-CWLMS-4.0-1.5K	E-delivery license for CiscoWorks LMS 4.0 for up to 1500 Cisco network devices. The physical media need to be ordered separately, or the evaluation can be downloaded from Cisco Marketplace.
L-CWLMS-4.0-2.5K	E-delivery license for CiscoWorks LMS 4.0 for up to 2500 Cisco network devices. The physical media need to be ordered separately, or the evaluation can be downloaded from Cisco Marketplace.
L-CWLMS-4.0-5K	E-delivery license for CiscoWorks LMS 4.0 for up to 5000 Cisco network devices. The physical media need to be ordered separately, or the evaluation can be downloaded from Cisco Marketplace.
L-CWLMS-4.0-10K	E-delivery license for CiscoWorks LMS 4.0 for up to 10,000 Cisco network devices. The physical media need to be ordered separately, or the evaluation can be downloaded from Cisco Marketplace.
L-CWLMSCONVSBE-100	Device-restricted license conversion for LMS 4.x SBE to 100 Cisco network devices. No application software DVDs provided, only a new PAK. Customer must already have a licensed copy of the SBE device-restricted version of LMS 4.0 installed before installing the new conversion license key.
L-CWLMS4CONV100-300	Device-restricted license conversion for LMS 4.x 100 to 300 Cisco network devices. No application software DVDs provided, only a new PAK. Customer must already have a licensed copy of the 100 device-restricted version of LMS 4.0 installed before installing the new conversion license key.
L-CWLMSCONV300-750	Device-restricted license conversion for LMS 4.x 300 to 750 Cisco network devices. No application software DVDs provided, only a new PAK. Customer must already have a licensed copy of the 300 device-restricted version of LMS 4.0 installed before installing the new conversion license key.
L-CWLMSCONV750-1.5	Device-restricted license conversion for LMS 4.x 750 to 1500 Cisco network devices. No application software DVDs provided, only a new PAK. Customer must already have a licensed copy of the 750 device-restricted version of LMS 4.0 installed before installing the new conversion license key.
L-CWLMS4CONV1.5K-2.5K	Device-restricted license conversion for LMS 4.x 1500 to 2500 Cisco network devices. No application software DVDs provided, only a new PAK. Customer must already have a licensed copy of the 1500 device-restricted version of LMS 4.0 installed before installing the new conversion license key.
L-CWLMSCONV2.5K-5K	Device-restricted license conversion for LMS 4.x 2500 to 5000 Cisco network devices. No application software DVDs provided, only a new PAK. Customer must already have a licensed copy of the 2500 device-restricted version of LMS 4.0 installed before installing the new conversion license key.
L-CWLMS4CONV-5K-10K	Device-restricted license conversion for LMS 3.x 5000 to 10,000 Cisco network devices. No application software DVDs provided, only a new PAK. Customer must already have a licensed copy of the 5000 device-restricted version of LMS 4.0 installed before installing the new conversion license key.
L-CWLMS-4.0-100UP	E-delivery license for major upgrade kit from LMS 2.x to CiscoWorks LMS 4.0 for up to 100 Cisco network devices. All applications can be installed and run on a single server. The physical media need to be ordered separately.
L-CWLMS-4.0-300UP	E-delivery license for major upgrade kit from LMS 2.x to CiscoWorks LMS 4.0 for up to 300 Cisco network devices. All applications can be installed and run on a single server. The physical media need to be ordered separately.
L-CWLMS-4.0-1.5KUP	E-delivery license for major upgrade kit from LMS 2.x to CiscoWorks LMS 4.0 for up to 1500 Cisco network devices. All applications can be installed and run on a single server. The physical media need to be ordered separately.
L-CWLMS-4.0-5KUP	E-delivery license for major upgrade kit from LMS 2.x to CiscoWorks LMS 4.0 for up to 5000 Cisco network devices. Applications can be installed and run on multiple servers. The physical media need to be ordered separately.
L-CWLMS-4.0-10KUP	E-delivery license for major upgrade kit from LMS 2.x to CiscoWorks LMS 4.0 for up to 10,000 Cisco network devices. Applications can be installed and run on multiple servers. The physical media need to be ordered separately.
L-CWLMS-4.0-COL-S	Optional small remote collector for distributed polling additional 750 devices; requires preexisting LMS 4.0.
L-CWLMS-4.0-COL-M	Optional medium remote collector for distributed polling additional 1500 devices; requires preexisting LMS 4.0.
L-CWLMS-4.0-COL-L	Optional large remote collector for distributed polling additional 2000 devices; requires preexisting LMS 4.0.

Note: Interim patches and bundle-level updates are available for the components listed to Cisco LMS customers with current Cisco SAS contracts. Please check the Cisco.com Software Center at <http://www.cisco.com/kobayashi/sw-center/cw2000/lan-planner.xml>.

Service and Support

Cisco provides SAS offerings for the CiscoWorks part numbers listed in Tables 2 and 3. SASs allow customer access to the Technical Assistance Center (TAC) and to minor product releases as well as bug fixes, patches, and device support updates.

Cisco offers a wide range of services programs to accelerate customer success. These innovative services programs are delivered through a unique combination of people, processes, tools, and partners, resulting in high levels of customer satisfaction. Cisco services help you to protect your network investment, optimize network operations, and prepare the network for new applications to extend network intelligence and the power of your business. For more information about Cisco services, see [Cisco Technical Support Services](#) or [Cisco Advanced Services](#).

For More Information

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



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