



## Read Me First—LAN Management Solutions Bundle, October Update

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The LAN Management Solutions (LMS) maintenance kit provides updates to applications.

Depending on which of the LMS applications you have previously installed, you can use different upgrade paths when installing the products in the bundle. If you are planning to install one of the LMS applications for the first time as part of this maintenance bundle, read the requirements for that component system carefully. If you are installing a previously uninstalled application, we recommend that you use the CD-ROM in this kit.



# What the Bundle Contains

The LMS maintenance kit contains:

- CiscoWorks2000 CD One Third Edition (CD One)—CiscoWorks2000 Server, CiscoView 5.2, and the Network Management Integration Module. The Network Management Integration Module provides support for third-party network management solutions.
- Resource Management Essentials 3.2 (Essentials)—Web-enabled administration tool for simplifying the device software and configuration management of Cisco routers and switches.
- Campus Manager 3.0.1 (Voice Update)—A collection of updated packages for voice feature support, new device support, and bug fixes.
- Content Flow Monitor 1.1 (CFM)—Web-based performance monitoring application for managing Cisco server load-balancing devices.
- TrafficDirector 5.8.1—RMON-based reporting tool for network traffic analysis.



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**Note**

In addition to the enclosed paper documents, PDF versions of product documentation are available on the product CDs. Refer to the installation instructions for individual products and print out the relevant documentation before proceeding with the installation.

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## Bundle Changes

This section highlights the major updates available for each of the components of the LMS maintenance kit. See the accompanying Release Notes for more detailed information.

The following applications are now all supported on Windows 2000 Server and Professional, Windows NT 4.0 with Service Pack 5 or 6a, and Solaris 2.6 or 2.7.

## CiscoWorks2000 CD One Third Edition

CiscoView 5.2 provides increased performance and device support for the Catalyst 4908G-L3, Catalyst 4804G-L3, Catalyst 2948G-L3, Cisco VPN Concentrator, Cisco Metro 1500, Cisco 7000, Catalyst 6000, Catalyst 5500, Catalyst 5000, Catalyst 2900 series of devices with user security support for Cisco WAN Manager (release 10.4).

## Resource Manager Essentials 3.2

Resource Manager Essentials 3.2 (Essentials) includes new VPN and Voice Management support. You can select VPN tasks from the desktop to provide configuration, inventory, and syslog analysis functions. Essentials also has added support for Cisco Call Managers, VPN Concentrator 3000 (VPN C3000), and PIX configuration and syslog analysis.

## Campus Manager 3.0.1 Voice Update

The Campus Manager Voice Update allows you to discover or display Cisco CallManagers in Topology Services, track IP phones in User Tracking, and perform voice or data traces among Cisco CallManagers and IP phones.

The Voice Update also contains:

- Additional device support available at the following URL:  
[http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/camp\\_mgr/sup\\_dev/index.htm](http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/camp_mgr/sup_dev/index.htm)
- Bug fixes—Refer to the Release Notes for Campus Manager for a description of bug fixes.

## Content Flow Monitor 1.1

Content Flow Monitor 1.1 (CFM) is now fully integrated with the CiscoWorks2000 desktop to provide enhanced real-time traffic monitoring and traffic distribution reporting of VIPs and Web servers. CFM also features new device support for Catalyst 4840G and Catalyst 6K ISLB.

## TrafficDirector 5.8.1

TrafficDirector now supports the Catalyst 6000 Network Analysis Module and the Catalyst 6509.

# Installation Prerequisites

The following tables summarize the minimum server and client requirements for installing the LMS bundle. The requirements listed are based on managing 500 devices, with all applications are hosted on a single server. For more information, refer to each component's installation guide.

**Table 1** *Server System Requirements*

Requirement	Windows 2000 or Windows NT Server	Solaris Server
Hardware	<ul style="list-style-type: none"> <li>IBM PC-compatible computer with 500 MHz or faster Pentium III processor—dual processor recommended for hosting multiple management solutions</li> <li>CD-ROM drive</li> <li>Color monitor with video card set to 256 colors</li> </ul>	<ul style="list-style-type: none"> <li>Sun UltraSPARC 60 with 400 MHz processor—dual processor recommended for hosting multiple management solutions</li> <li>CD-ROM drive</li> <li>Color monitor with video card set to 256 colors</li> </ul>
Memory (RAM)	512 MB	512 MB
Available disk drive space	<ul style="list-style-type: none"> <li>9 GB minimum</li> <li>1 GB virtual memory</li> </ul>	<ul style="list-style-type: none"> <li>9 GB minimum</li> <li>1 GB swap space</li> </ul>
Software	Windows NT 4.0 Server or Workstation with Service Pack 5 or 6a, or Windows 2000 Server or Professional. <sup>1</sup>	Solaris 2.6 or 2.7

1. Do not install on a FAT file system.

**Table 2** Client System Requirements

Requirement Type	Minimum Requirement
System software and hardware	<p>Any one of these systems:</p> <ul style="list-style-type: none"> <li>• IBM PC-compatible computer with 300 MHz Pentium processor, 128 MB RAM with 256 MB virtual memory, running Windows NT 4.0 Workstation or Server, Windows 95, Windows 98, Windows 2000 Server, or Windows 2000 Professional</li> <li>• Sun UltraSPARC 10 with 333 MHz processor, 256 MB RAM with 512 swap space, running Solaris versions 2.5.1, 2.6 or 2.7</li> <li>• IBM RS/6000 workstation with 256 MB RAM running AIX 4.3.1, 4.3.2, or 4.3.3</li> <li>• HP9000 series with 256 MB RAM running HP-UX 10.20 or 11.0</li> </ul> <p>Color monitor with video card set to 256 colors</p>
Browser	<p>One of these browsers:</p> <ul style="list-style-type: none"> <li>• Microsoft Internet Explorer 5.0 or 5.1 (supported only on Windows 95, Windows 98, Windows NT, and Windows 2000) with Java Virtual Machine (JVM) version 5.0.0.3182 or newer, current shipping version. To verify the JVM version, select <b>View &gt; Java Console</b>.</li> <li>• Netscape Navigator 4.6.1 or 4.7 (supported on all platforms)</li> </ul>

## Installing the Bundle



### Note

You *must* install CD One before installing any other application. While it is strongly recommended that you follow the order of installation described in this section, you can install the applications in any order.

Table 3 shows the recommended order in which you should install the software in this bundle.

**Table 3**    *Order of Installation*

Task	For Detailed and Custom Installation Refer To
1. Install CiscoWorks2000 CD One Third Edition. This typically takes about 40 minutes.	<i>Installing and Setting Up CiscoWorks2000 CD One Third Edition.</i>  Release Notes for CiscoWorks2000 CD One Third Edition for any last-minute updates to the installation instructions.
2. Install Resource Manager Essentials 3.2 on the server. This typically takes about 30 minutes.	<i>Installing and Setting Up Resource Manager Essentials.</i>  Release Notes for Resource Manager Essentials 3.2 for any last-minute updates to the installation instructions.
3. Install Campus Manager 3.0.1 (Voice Update) on the server. <sup>1</sup>	Release Notes for Campus Manager.
4. Install Content Flow Monitor 1.1 on the server. This typically takes about 10 minutes.	<i>Installing and Setting Up Content Flow Monitor.</i>  Release Notes for Content Flow Monitor for any last-minute updates to the installation instructions.
5. Install TrafficDirector 5.8.1 on the server. This typically takes about 15 minutes.	<i>TrafficDirector Release 5.8.1 Installation Guide for Windows 2000, Windows NT, and Solaris.</i>  Release Notes for TrafficDirector Release 5.8.1 on Windows 2000, Windows NT, and Solaris for any last-minute updates to the installation instructions.

1. Installing Campus Manager 3.0.1 (Voice Update) is *optional*. Refer to the Release Notes for more information about the Voice Update and for installation instructions.

## Getting Started

You must complete the following tasks before starting up LMS.

**Table 4**    *Getting Started*

Task	Refer To
1. Set up the CiscoWorks2000 Server	<i>Getting Started with the CiscoWorks2000 Server</i>
2. Prepare to use CD One	<i>Installing and Setting Up CiscoWorks2000 CD One Third Edition</i>

**Table 4**    *Getting Started*

Task	Refer To
3. Prepare to use Resource Manager Essentials Applications	<i>Installing and Setting Up Resource Manager Essentials</i>
4. Prepare to use Content Flow Monitor	<i>Installing and Setting Up Content Flow Monitor</i>
5. Prepare to use TrafficDirector	<i>TrafficDirector Release 5.8.1 Installation Guide for Windows 2000, Windows NT, and Solaris</i>

## Related Documentation

The following paper documentation ships with LMS:

- *Installing and Setting Up CiscoWorks2000 CD One Third Edition*
- *Installing and Setting Up Resource Manager Essentials*
- *Installing and Setting Up Content Flow Monitor*
- *TrafficDirector Release 5.8.1 Installation Guide for Windows 2000, Windows NT, and Solaris*

The following related documentation is also available as PDF files on the product CD-ROMs and on CCO:

- *Getting Started with the CiscoWorks2000 Server*
- *Using CiscoView 5.2*
- *Using Resource Manager Essential.*
- *Using Campus Manager*
- *Using Content Flow Monitor*
- *Using the TrafficDirector Application*



**Note**    Adobe Acrobat Reader 4.0 is required to view PDF files.

Online help is available from within the products.

# Ordering Additional Documentation

A complete set of hardcopy user guides for the products contained in the LAN Management Solutions Bundle can be ordered using the part number CWDOC-RWAN-LMS.

Orders for documentation can be placed through an authorized Cisco reseller or a Cisco sales representative.

Individual installation and user guides can be purchased using the Cisco MarketPlace ordering system. Cisco sales representatives, resellers, and users with direct ordering privileges can locate documentation part numbers and other ordering information by selecting the Documentation product family within MarketPlace and navigating to the CiscoWorks2000 section.