



QUICK START



Quick Start Guide for Cisco netManager 1.1

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1 SUPPLEMENTAL LICENSE AGREEMENT

SUPPLEMENTAL LICENSE AGREEMENT FOR CISCO SYSTEMS NETWORK MANAGEMENT SOFTWARE: CISCO NETMANAGER 1.1.

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For each Software license granted, customers may install and run the software on a single server to manage the number of devices specified in the license file provided with the software, or as specified in the Software License Claim Certificate. Customers whose requirements exceed the device limit must purchase upgrade licenses or additional copies of the software. The device limit is enforced by license registration.

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DESCRIPTION OF OTHER RIGHTS AND LIMITATIONS.

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2 Cisco netManager 1.1 Overview

Cisco netManager 1.1 is a network monitoring solution that allows you to visualize, diagnose and report on the status of your data and Unified Communications deployment. It monitors all components of the network to provide real-time operational status so you can identify network failures before they become catastrophic. Cisco netManager is available in two product configurations: Cisco netManager IP Infrastructure and Cisco netManager Unified Communications. Cisco netManager IP Infrastructure provides standards-based monitoring of network devices, services, or applications on TCP/IP and Windows. Cisco netManager Unified Communications includes all features of Cisco netManager IP Infrastructure along with the additional capability to provide visibility into, and monitoring of, Cisco Unified Communications devices. For licensing options, see [Licensing, page 4](#).

New Features in Cisco netManager 1.1

Cisco netManager 1.1 also adds the following:

- New device support:
 - Cisco Unified Communications Manager 6.1, 7.0(1)
 - Cisco Unified Communications Manager Business Edition 6.1, 7.0(1)
 - Cisco Unity Connection 7.0
 - Cisco Unity Express 3.0, 3.1
 - Cisco IP Communicator 2.1, 3.0
 - Cisco Unified Contact Center Express 7.0
 - SIP capability on Cisco Unified Communications Manager Express
 - Cisco Unified Personal Communicator 1.2
 - Cisco Unified Presence Server 7.0
 - Cisco 1861 Integrated Services Router
 - Cisco ASR 1000 Series Aggregation Services Routers (1002, 1004, and 1006)
 - Cisco MCS Unified Communications Manager Appliance families H2, H3, I2, and I3
 - Cisco Unified Communications Manager Express with SIP capability
 - SIP capability on gateways



Note

For a detailed list of supported devices, see the *Device Support Table for Cisco netManager 1.1* at the following URL:

http://www.cisco.com/en/US/products/ps7243/products_device_support_tables_list.html

- Notification filtering capability. Multiple rules can be defined to filter events before forwarding them as e-mails to user-specified e-mail addresses. You can create notification criteria based on devices, device groups, event types, or event severity.
- Enhancements to the Physical View Connectivity topology, including:
 - UI update. Added a device search field and summary panel that resembles the options available in the Service Level View topology.
 - Ability to acknowledge all device events. Right-click a device and select **Acknowledge All Events**.
 - Ability to remember each user's last scroll and zoom positions.
 - Ability to view device by hostname, IP address, or both. Select **GO > Physical Connectivity View Settings**.

- Option to configure the number of data records displayed to allow for quicker display of reports for Cisco Faults, Fault History, SNMP Trap Log, Syslog, and Windows Events Log. Select **GO > Configure > Report Preferences**.
- Option to easily view Lwaps registered to a Wireless LAN Controller. From the Device tab, right-click the Wireless LAN Controller and select **Reports > Lwap Summary....**
- New Dynamic Group Builder to help users create and validate SQL queries for new Dynamic Groups.
- New Group State Summary Report. The report provides device status summary information on the individual device states and group states.
- New Quarterly Availability Summary Report. This group report provides rolled-up availability statistics on groups of devices and services that are monitored.
- Improved list-control and tree-control behavior for improved usability. Controls respond more quickly; key handling, scrolling, and paging have been improved.
- Ability to clear maintenance schedules using Bulk Field Change.
- Resolution of a number of issues from Cisco netManager 1.0. See the *Release Notes for Cisco netManager 1.1* for more information.

Licensing

Cisco netManager features software-based product registration and license-key technologies. Licensing ensures that you possess a licensed copy of Cisco netManager 1.1.



Note Licensing uses node-locking technology. The license file can only be used with the MAC address that you supply.

You can upgrade and purchase any of the following license options:

Cisco netManager - IP Infrastructure

1. 50 devices, 50 wireless access points—Permanent license
2. 100 devices, 100 wireless access points—Permanent license
3. 50 devices, 50 wireless access points—1-year license
4. 100 devices, 100 wireless access points—1-year license
5. 50 devices, 50 wireless access points as an upgrade from license 1 to license 2
6. 250 IP phones as an upgrade from license 1 or license 2 (to include voice features)
7. 500 IP phones as an upgrade from license 1 or license 2 (to include voice features)

Cisco netManager - Unified Communications

1. 50 devices, 50 wireless access points, 250 IP phones—Permanent license
2. 100 devices, 100 wireless access points, 500 IP phones—Permanent license
3. 50 devices, 50 wireless access points, 250 IP phones—1-year license
4. 100 devices, 100 wireless access points, 500 IP phones—1-year license
5. 50 devices, 50 wireless access points, 250 IP phones as an upgrade from license 1 to license 2



Note Depending on the number and type of licenses purchased, Cisco netManager can support up to a maximum of 100 data devices and 100 wireless access points. You can also upgrade in increments of 250 phones, up to a maximum of 1000 phones.

Understanding Licensing Terms

Table 1 describes the Product Authorization Key (PAK), the license file, and the usage of these terms.

Table 1 Understanding the PAK and the License File

Licensing Terms	Description
PAK	The PAK is printed on the software claim certificate. Use the PAK and the MAC address of the server where Cisco netManager is installed to get your license file from Cisco.com. You may obtain and install your license file at any time while you are working on Cisco netManager, not only at the time you install the product. The Cisco netManager license file includes support for up to 100 data devices, 100 wireless access points, and 500 phones (when upgrading to include voice features). You can purchase incremental licenses for additional device support. For each incremental license that you purchase, you will receive a PAK, and you must use that PAK to obtain a license file. Cisco netManager can support up to a maximum of 100 data devices, 100 wireless access points, and 1,000 phones, depending on the number and type of licenses purchased.
license file	To register your PAK and get your license file, go to the product licensing area of Cisco.com: http://www.cisco.com/go/license Logging in allows your Cisco user profile information to autopopulate many of the product registration fields. Login is case sensitive.

Additional Licensing Information

- The Cisco netManager - IP Infrastructure evaluation license that comes with the software allows for 50 devices and 50 wireless access points, and expires in 90 days.
- The Cisco netManager - Unified Communications evaluation license that comes with the software allows for 50 devices, 50 wireless access points, and 250 IP phones, and expires in 90 days.
- If you have installed multiple 1-year licenses, the license with the latest expiration date supercedes all other 1-year licenses.
- If you have installed multiple permanent licenses, the device count supported is the sum of all licenses. However, note that Cisco netManager can support up to a maximum of 100 devices, 100 wireless access points, and 1,000 IP phones.
- If you have installed multiple licenses (evaluation, 1 year, and permanent):
 - A permanent license supercedes an evaluation and a 1 year license.
 - A 1 year license supercedes an evaluation license.

Licensing Your Product During Installation

Step 1 Register Cisco netManager with Cisco.com using the MAC address of the server where you will install Cisco netManager 1.1 and the PAK.

The PAK is printed on the software claim certificate. Get your license file from <http://www.cisco.com/go/license>.



Note You will be asked to log in. You must be a registered user of Cisco.com to log in.

Step 2 Install Cisco netManager 1.1; during installation, when prompted for licensing information:

- a. Click **Next** when asked to choose a license file. The File Browser window appears.
- b. Navigate to the license file location and select the file.
- c. Click **Open**. The license file is checked for validity, and the resource count and expiry date summary are shown.
- d. Click **Yes** and proceed with the installation.

You can add any license files for incremental device support after you install Cisco netManager. (See [Adding Licenses to an Installed Cisco netManager, page 7.](#))

Adding Licenses to an Installed Cisco netManager

After you install Cisco netManager, add any incremental licenses that you have purchased to support additional devices. When you purchase an incremental license, you receive a PAK. You must use the PAK to obtain a license file and install the license.

If you installed Cisco netManager with a Cisco netManager - IP Infrastructure evaluation license, you can upgrade to any purchased license. However, if you installed a Cisco netManager - Unified Communications evaluation license, and want to purchase a Cisco netManager - IP Infrastructure license, you must uninstall Cisco netManager, then reinstall using the purchased license.

When you purchase Cisco netManager, you receive a PAK. Use the PAK to obtain a license file and install it.

To add device support to Cisco netManager and to upgrade from an evaluation license to a purchased license, do the following:

Step 1 Obtain the license file using the MAC address of the server where Cisco netManager 1.1 is installed, and the PAK that you received when you purchased the license. Get your license file from <http://www.cisco.com/go/license>.



Note You will be asked to log in. You must be a registered user of Cisco.com to do so.

Step 2 Copy the new license file to the Cisco netManager server, into <installation folder>/etc/license.

Step 3 Select **Start > Programs > Cisco netManager > Upgrade License**. A window displays the licenses currently installed on the system.

Step 4 Click **OK**. A confirmation window displays the upgrade licenses you are about to install.

Step 5 Click **Yes** to upgrade licenses.

Step 6 When the installation is finished, a window appears, stating that the license upgrade completed successfully. Click **OK**.

Step 7 Restart services:

- a. Select **Start > Run Programs > Cisco netManager > Daemons > Stop** to stop services.
 - b. Select **Start > Run Programs > Cisco netManager > Daemons > Start** to restart services.
-

Cisco netManager Package Contents

Table 2 lists the contents of the Cisco netManager 1.1 package. The originally published printed and electronic documentation is included with your product. Any changes after original publication are reflected on Cisco.com, where you will find the most up-to-date documentation.

Table 2 Cisco netManager 1.1 Package Contents

Product	Consisting of
Cisco netManager 1.1	<ul style="list-style-type: none">• Cisco netManager 1.1 product installation CD• PDF versions of¹:<ul style="list-style-type: none">– <i>Quick Start Guide for Cisco netManager 1.1</i>– <i>Release Notes for Cisco netManager 1.1</i>– <i>User Guide for Cisco netManager 1.1</i>

1. PDF versions of support documentation are located on the product CD in the Documentation folder.

3 Server and Client System Requirements

Cisco netManager 1.1 is intended for installation on Windows 2003 and Windows XP systems. Table 3 describes the server system requirements. Table 4 describes the client system requirements. Table 5 lists the ports used by Cisco netManager.

Installation Notes

- Cisco netManager requires a dedicated system; do not install it on a system with:
 - Third-party management software (such as HP OpenView or NetView).
 - Cisco Secure Access Control Server (ACS).
 - Any other Cisco applications.
- Install the latest hot fixes from Microsoft.
- The system where Cisco netManager is to be installed must be configured for DNS.
- Do not use Remote Desktop (a feature in Windows 2000 (and later) Server) to install Cisco netManager. Microsoft Desktop Engine (MSDE) has known compatibility issues with Remote Desktop. Do not use any remote control software that uses sessions to install Cisco netManager.
- If you want to use a third-party SNMP management tool to make SNMP queries against the server where Cisco netManager is installed, Windows SNMP service must be installed. See [Upgrading to Cisco netManager 1.1, page 15](#).
- Do not install Cisco netManager on:

- A Primary Domain Controller (PDC) or Backup Domain Controller (BDC).
 - A FAT file system.
 - A Windows Advanced Server with Terminal Services enabled in application server mode.
 - A system with Internet Information Services (IIS) enabled.
 - A system that does not have name lookup.
- Do not select an encrypted directory. Cisco netManager does not support directory encryption.
 - Do not install on any of your voice application servers or on a Cisco Unified CallManager server.
 - Verify that the system date and time are set properly.
 - To speed up installation, disable all virus-scan software while installing.



Note


Problems may occur if your antivirus software scans outgoing e-mail and you enable Cisco netManager to send alerts via e-mail. To avoid these issues, disable the antivirus outgoing scans completely or for specific ports that you wish to use. See *Configuring Virus-Detection Software to Enable Alerts*, page 18.

- Your system's IP address and hostname should be set before installation.

Table 3 ***Minimum Server Hardware and Software Requirements Summary***

Requirement Type	Minimum Requirements
System Hardware	<ul style="list-style-type: none"> • Any PC or server platform with an Intel Pentium single/dual core, Pentium 4, Xeon, or AMD processor equal to or greater than 1.66 GHz. • Color monitor. • CD-ROM drive.
Memory (RAM)	<ul style="list-style-type: none"> • 1 GB for 50 devices and up to 500 phones. • 2 GB for 100 devices and up to 1000 phones.
Swap File Space	1.5 GB.

Table 3 **Minimum Server Hardware and Software Requirements Summary (continued)**

Requirement Type	Minimum Requirements
Available Drive Space ¹	<ul style="list-style-type: none"> • 30 GB hard disk space. • NTFS file system (required for secure operation). • At least 16 MB in Windows temporary directory (%TEMP%).
System Software ^{2, 3}	<p>The server can run any of the following:</p> <ul style="list-style-type: none"> • ODBC Driver Manager⁴ 3.5.10 or later. • Windows Server 2003 with Service Pack 1, Service Pack 2 Standard, or Enterprise Editions. <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">  <p>Note Install the latest hot fixes from Microsoft.</p> </div> <ul style="list-style-type: none"> • Windows XP with Service Pack 2 and Service Pack 3.

1. Do not install Cisco netManager on a FAT file system.
2. You must install Cisco netManager on a dedicated system. Do not install Cisco netManager on a PDC or BDC. Do not install Cisco netManager in an encrypted directory. Cisco netManager does not support directory encryption.
3. The default locale for your Windows operating system must be set to either US-English or Japanese.
4. To verify the version of ODBC Driver Manager, from the Windows desktop, select **Start > Settings > Control Panel > Administrative Tools > Data Sources (ODBC)**. Select the **About** tab. If necessary, install Microsoft Data Access Component (MDAC) 2.5 or later.

Table 4 Minimum Client Hardware and Software Requirements Summary


Requirement Type	Minimum Requirements
System Hardware	<ul style="list-style-type: none"> Any PC or server platform with an Intel or AMD processor greater than 1.0 GHz. Color monitor with video card set to 24 bits color depth. Screen resolution of 1024 x 768 dpi.  <p>Note Not every LCD projector or monitor provides a clear display at the minimum resolution. On LCD projectors and monitors, dot pitch impacts the readability of the screen.</p>
System Software	<p>Clients can run any of the following:</p> <ul style="list-style-type: none"> Windows XP with Service Pack 1 or Service Pack 2. Windows Server 2003 Standard or Enterprise Edition without Windows Terminal Services. Internet Explorer 6.0.
Memory (RAM)	1 GB.
Swap File Space	1 GB.
Environment	<p>Clients must be able to access Cisco netManager:</p> <ul style="list-style-type: none"> From outside a firewall—Refer to the documentation for your firewall for information on configuring client access. Across a Virtual Private Network (VPN)—The VPN tunnel should connect the client and a VPN router or similar device.

Table 5 Ports Used by Cisco netManager

Process	Port Numbers
WMI Event Listener	135, 445
WUP Event Listener Port	9393
IPIU	43451, 2349, 14004
SSL	443
SQL Server	1433

Table 5 *Ports Used by Cisco netManager*

Process	Port Numbers
SNMP	162
Syslog	514
HTTP	80

4 Installing Cisco netManager

This section contains the following:

- [Before You Install Cisco netManager](#), page 12
- [Performing the Installation](#), page 13
- [Uninstalling Cisco netManager](#), page 14

Before You Install Cisco netManager

- Review [Installation Notes](#), page 8 before you begin installation.
- See Server and Client System Requirements, page 8, and make sure your system meets these prerequisites:
 - Required operating system upgrades have been performed.
 - Required service packs are installed.
- The installation program checks dependencies and system requirements. The System Requirements window displays the results of the requirements check and advises whether the installation can continue. One of the following might occur:
 - If there is not enough disk space for the installation, or memory requirements are not met, the installation program displays an error message and stops. (See [Server and Client System Requirements](#), page 8.)
 - If the minimum requirements are not met, the installation program displays an error message.
- Be prepared to supply the following information while you are installing Cisco netManager:
 - User Admin password.
 - System Identity Account password.
 - License information—Location of the license file. If you have already obtained a license file, you can provide the path. If you have not already obtained a license file, be sure to do so, either before or after you install Cisco netManager. For more information; see [Adding Licenses to an Installed Cisco netManager](#), page 7

**Note**

The Cisco netManager 1.1 CD-ROM comes with an evaluation license file.

Performing the Installation

**Note**

During installation, a window may appear, asking you to restart the machine. If this happens, restart the machine before using Cisco netManager.

Step 1 Close all open or active programs. Do not run other programs during the installation process.

Step 2 As the local administrator, log in to the machine on which you will install the Cisco netManager software and insert the Cisco netManager 1.1 CD-ROM into the CD-ROM drive. The Cisco netManager 1.1 Setup Program window opens.

**Note**

If you have previously installed Cisco netManager 1.1, installation will prompt you whether you are attempting to repair or uninstall Cisco netManager.

Step 3 Click **Next**. The Software License Agreement window appears.

Step 4 Select the option to accept the licensing terms and click **Next**. The Customer Information window appears.

Step 5 Enter username and company name in the given fields.

Step 6 Click **Next**. The default directory where Cisco netManager installs files appears. Click **Change** to change the directory or click **Next** to accept the default location.

Step 7 Select one of the following:

- IP Infrastructure 1.1 Evaluation License
- Unified Communications 1.1 Evaluation License
- Cisco netManager 1.1 Perpetual License—Choose this option if you purchased a license (1-year or permanent license). Navigate and select the license file that you purchased from Cisco. A confirmation box displays the number of devices supported before installation. For information on licensing options, see [Licensing, page 4](#).

Step 8 Click **Next**. Enter the port number. The default is 80.

Step 9 Click **Next**. A window appears, asking if you want to restore from backup.

Step 10 Do one of the following:

- Click **No** if this is a first-time installation or you do not want to restore data from backup.

- Click **Yes** if you have an existing Cisco netManager 1.1 database that you want to restore. If you click **Yes**, a window prompts you to navigate to the folder where the database file is located. Click **Next** to begin installation.

Step 11 Select **Install**.

Step 12 Click **Next**.

Step 13 Click **Finish** when setup is complete.

Step 14 After the installation completes, start Cisco netManager to verify that it was installed correctly. From the Windows desktop, select **Start > Programs > Cisco netManager**.



Note If Enhanced Security is enabled on the Windows 2003 system, you must add the Cisco netManager home page to Internet Explorer's Trusted Sites Zone. You will not be able to access the Cisco netManager 1.1 home page until it is added to the trusted sites.

If any errors occurred during installation, check the installation log in the root directory on the drive. The Cisco Technical Assistance Center (TAC) might ask you to send them the installation log.

Uninstalling Cisco netManager

To remove Cisco netManager or repair the application by reinstalling all feature components:

Step 1 From the Windows desktop, select **Start > Programs > Cisco netManager > Uninstall**. The Setup window appears.

Step 2 Do one of the following, and then click **Next**:

- Select the first option to repair Cisco netManager by reinstalling all feature components.
 - Click **Next** and navigate to the folder where the database file is located.
 - Click **Next**. Cisco netManager begins to reinstall all feature components.
 - Click **Finish** when setup is complete.
- Select the second option to remove Cisco netManager.

Step 3 Click **Yes** to confirm uninstallation. A window appears, asking if you want to save a backup of your database.

Step 4 Do one of the following, and then click **Next**.

- Click **Yes** to create a backup and navigate to where you want to save the backup.
- Click **No** if you do not want to back up the database.

Step 5 Select whether you want to restart the server now or later and select **Finish**.

5 Upgrading to Cisco netManager 1.1

Cisco netManager uses the same licenses that were on the system before the upgrade. You can install additional licenses that you have purchased after the upgrade, using the procedure described in [Adding Licenses to an Installed Cisco netManager, page 7](#).

Cisco netManager supports the following upgrade paths:

- Upgrade from an evaluation or licensed copy of Cisco netManager - IP Infrastructure 1.0.
- Upgrade from an evaluation or licensed copy of Cisco netManager - Unified Communications 1.0.

Before You Begin

- Confirm that your system meets the minimum software and hardware requirements listed in [Server and Client System Requirements, page 8](#).
- Review [Installation Notes, page 8](#).

Step 1 As the local administrator, log in to the machine on which you will install the Cisco netManager software and insert the Cisco netManager 1.1 CD-ROM into the CD-ROM drive. The Cisco netManager 1.1 Setup Program window opens.

Step 2 The installation wizard detects and displays the Cisco netManager version currently installed on the system. A confirmation window prompts you to confirm the upgrade to Cisco netManager 1.1.

Step 3 Click **Yes** to confirm the upgrade. The Welcome window appears.

Step 4 Click **Next**. The Choose Backup Location window appears.

Step 5 Do one of the following:

- Click **Next** to accept the default installation directory.
- Click **Browse...** to navigate to the folder where you want a backup of the existing database stored. Click **Next**.

The Ready to Install window appears.

Step 6 Click **Install** to begin the upgrade.

Step 7 Click **Finish** when the installation is complete.

6 Additional Configuration Notes

This section includes additional configuration steps that you may want to perform on your system. It contains the following topics:

- [Configuring Your System for SNMP Queries, page 16](#)
- [Configuring Virus-Detection Software to Enable Alerts, page 18](#)
- [Configuring CDP, page 18](#)
- [Backing Up and Restoring the Cisco netManager Database, page 18](#)

Configuring Your System for SNMP Queries

Cisco netManager implements the system application MIB. If you want to use a third-party SNMP management tool to make SNMP queries against the server where Cisco netManager is installed, Windows SNMP service must be installed.



Note To improve security, the SNMP set operation is not allowed on any object ID (OID) in the system application MIB. After installing Cisco netManager, you should modify the credentials for Windows SNMP service to not use a default or well-known community string.

It is recommended that you install Windows SNMP service before you install Cisco netManager. Use this procedure to determine whether Windows SNMP service is installed.

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- Step 1** Verify that Windows SNMP service is installed on the server where you will install Cisco netManager. To do so:
- a. Open the Windows administrative tool Services window.
 - b. Verify the following:
 - SNMP Service is displayed on the Windows administrative tool Services window; if so, Windows SNMP service is installed.
 - SNMP service status is Started; if so, SNMP service is running.
- Step 2** If Windows SNMP service is not installed, install it.

**Note**

Windows online help provides instructions for adding and removing Windows components, such as Windows SNMP service. To locate the instructions, try selecting the Index tab in Windows online help and entering a keyword or phrase, such as *install SNMP service*.

Configuring Virus-Detection Software to Enable Alerts

Problems may occur if your antivirus software scans outgoing e-mail and you enable Cisco netManager to send alerts via e-mail. To avoid these problems, disable the antivirus outgoing scans completely or for specific ports that you wish to use. For example, if you are using the Cisco netManager notification filtering feature and have McAfee virus-detection software installed on your system, follow the procedure described below to enable e-mail alerts.

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- Step 1** Launch the McAfee console.
 - Step 2** Select **Task > Properties**.
 - Step 3** Select the **Port Blocking** tab.
 - Step 4** Under Rules, uncheck **Prevent mass mailing worms from sending mail**.
-

Configuring CDP

Cisco Discovery Protocol (CDP) must be enabled on a device in order for its network connections to display in the Physical Connectivity topology view. CDP is a media- and protocol-independent device-discovery protocol that runs on all Cisco-manufactured equipment including routers, access servers, bridges, and switches. Using CDP, a device can advertise its existence to other devices and receive information about other devices on the same LAN or on the remote side of a WAN. CDP is enabled by default on Cisco routers. For more information, see

http://www.cisco.com/en/US/tech/tk962/technologies_tech_note09186a00801aa000.shtml.

Backing Up and Restoring the Cisco netManager Database

Database backup and restore are available through the Cisco netManager console (**Tools > Database Utilities**). The console is only available from the server where Cisco netManager is installed (**Start > All Programs > Cisco netManager 1.1 > Cisco netManager 1.1 Discovery**).

7 Where to Go Next

To quickly start using Cisco netManager 1.1, you should do the following:

1. [Launch the Web Interface](#), page 19
2. [Discover Devices](#), page 20
3. [View Network Data](#), page 20
4. [Set Up Actions](#), page 21

Launch the Web Interface

You can connect to the Cisco netManager 1.1 web interface from any browser by entering its web address. This web address consists of the hostname of the Cisco netManager 1.1 host and the web server port number. The default port number is 80.

For example, if your Cisco netManager 1.1 host is named monitor1.cisco.com, then the web address is `http://monitor1.cisco.com:80`.



Note When you use the default port number (80), you do not have to include the port number in the address.

There are two default users on the web server:

- Administrator (username: admin; password: admin)
- Guest (username: guest; password: <password box left blank>)

For more information about user privileges, see Chapter 1, “Managing Users” in the *User Guide for Cisco netManager*.

To change the default administrator password:

Step 1 From the web interface, click **GO > Configure > Preferences...**

Step 2 Click **Change your password**.

Discover Devices

There are several ways to add devices to Cisco netManager 1.1:

- Manually add devices using their IP addresses or hostnames.
- Automatically detect network devices (workstations, servers, routers, hubs, and so on), scan those devices for services, and select the devices that you want to manage, using the Device Discovery Wizard.
- Imports multiple devices using a seed file.



Note SNMPv1 must be enabled on a device in order for CnM to discover the devices correctly.

For more information, see Chapter 2, “Managing Devices” in the *User Guide for Cisco netManager*.

View Network Data

Begin viewing your network using the following tools:

- Topology Views
 - Service Level View — displays a logical topology view of your Cisco Unified Communications network.



Note The Service Level View is available only if you have purchased a license that monitors Unified Communications devices.

- Physical Connectivity View — gives you a visual representation of all physical devices and connections in your network. This view gives a quick snapshot of your entire network including its overall health.

For more information on topology views, see Chapter 4, “Using Topology Views” in the *User Guide for Cisco netManager*.

- Workspaces—Contain multiple *views* that let you organize workspace content by the type of information they display. For more information on workspaces, see Chapter 3, “Understanding Workspaces and Workspace Content” in the *User Guide for Cisco netManager*.
- Reports—Used to troubleshoot and monitor performance and historical data that has been collected during the operation of the application. These reports can help you troubleshoot problem areas on your network and give you easy access to important network information. For more information on topology views, see Chapter 11, “Using Reports” in the *User Guide for Cisco netManager*.

Set Up Actions

After selecting devices, configure actions that will notify you when changes occur on the monitored devices. For more information, see Chapter 6, “Using Actions” in the *User Guide for Cisco netManager*.

After you have completed discovery and set up some basic monitoring of devices and services, you can investigate the other features of Cisco netManager 1.1. For more information, see *User Guide for Cisco_netManager 1.1*. You can access this document:

- In PDF format, in the Documentation directory on the respective product CD-ROM.
- From the online help integrated into the product.
- In HTML and PDF on Cisco.com:
 - a. Log into Cisco.com at <http://www.cisco.com>.
 - b. Select the link for the appropriate product.
 - c. Select the link for the user guide for the product.

8 Related Documentation



Note

Although every effort has been made to validate the accuracy of the information in the printed and electronic documentation, you should also review the documentation on Cisco.com for any updates.

The Cisco netManager 1.1 documentation set applies to both Cisco netManager IP Infrastructure and Cisco netManager Unified Communications. Within each document are notes about whether a feature applies only to Cisco netManager Unified Communications.

The following table lists the Cisco netManager Unified Communications 1.1 locations on Cisco.com.

**Note**

To view documents in Adobe Portable Document Format (PDF), Adobe Acrobat 4.0 or later is required.

Table 6 **Related Documentation**

To learn more about...	See this document	On the product CD?	On Cisco.com?	In the online help?
Supported devices	<i>Supported Devices Table for Cisco netManager 1.1:</i> http://www.cisco.com/en/US/products/ps7243/products_device_support_tables_list.html	No	Yes	No
Known product bugs	<i>Release Notes for Cisco netManager 1.1:</i> http://www.cisco.com/en/US/products/ps7243/prod_release_notes_list.html	Yes	Yes	No
Performing a typical installation	<i>Quick Start Guide for Cisco netManager 1.1:</i> http://www.cisco.com/en/US/products/ps7243/prod_installation_guides_list.html	Yes	Yes	No
Features and tasks	<i>User Guide for Cisco netManager 1.1:</i> http://www.cisco.com/en/US/products/ps7243/products_user_guide_list.html	Yes	Yes	Yes

9 Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, submitting a service request, and gathering additional information, 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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