Cisco Network Magic™ 5.5
Reviewer’s Guide
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For more information, press only:

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Overview

Welcome

As an award-winning software application that helps users manage their home network quickly and easily, Cisco Network Magic automates tasks that many users find frustrating, like staying connected to the Internet. It simplifies file and printer sharing between computers and across operating systems, keeping computers and devices connected to the network, and monitoring the activity occurring on the various computers accessing the network. In addition, Cisco Network Magic includes a 30 day trial of Home Network Defender, powered by Trend Micro™. Home Network Defender is an Internet security feature that protects users against cybercriminals and online predators by stopping threats at the router before they get into a home network.

Cisco Network Magic is available for PCs and for a mixed PC/Mac network. For the PC, there are three versions: Network Magic Basic, Network Magic Pro and Network Magic Essentials. Network Magic Basic is provided at no charge for Linksys by Cisco router customers, Network Magic Pro offers a comprehensive network management solution to protect, connect, and monitor your network, while Network Magic Essentials offers a smaller feature set for basic network management. Network Magic for the Mac Add-on helps users connect PCs and Macs together on the same network so printers and files can be easily shared.

This Reviewer’s Guide is designed to assist you in your assessment of Cisco Network Magic. Whether you’re reviewing Network Magic for the first time or are familiar with previous versions, this guide should help answer many of your questions.

As you review Network Magic, feel free to contact us if you have any comments or questions.
Introducing Cisco Network Magic

Network Magic is the first and only award-winning, all-in-one software solution that helps consumers set up, manage, secure, and monitor their home or small office network. It automates and simplifies tasks that users find frustrating, while providing the configurable network settings and features that advanced users want.

The following Network Magic versions are available:

- Network Magic 5.5 Pro
- Network Magic 5.5 Essentials
- Network Magic Basic for Linksys by Cisco hardware customers
- Network Magic for Mac Add-on v4.0

Network Magic Features

<table>
<thead>
<tr>
<th>Network Magic Features</th>
<th>Pro</th>
<th>Essentials</th>
<th>Basic</th>
<th>Mac Add-on</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easy to Use</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>See everything on a network map</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Use guided wizards to complete tasks</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>View device details</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Access everything from a centralized dashboard</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Connect Devices</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select your wireless network of choice</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Go wireless automatically</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Add new devices</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Share Files and Printers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Print from any computer in your network***</td>
<td>✓</td>
<td>✓</td>
<td>7 day free trial of Network Magic Pro</td>
<td>✓</td>
</tr>
<tr>
<td>Share files</td>
<td>✓</td>
<td>✓</td>
<td>7 day free trial of Network Magic Pro</td>
<td>✓</td>
</tr>
<tr>
<td>Network Attached Storage (NAS) device support</td>
<td>✓</td>
<td></td>
<td>7 day free trial of Network Magic Pro</td>
<td></td>
</tr>
</tbody>
</table>

Overview
<table>
<thead>
<tr>
<th>Network Magic Features</th>
<th>Pro</th>
<th>Essentials</th>
<th>Basic</th>
<th>Mac Add-on</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Control and Monitor Your Network</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Control Internet access on other computers</td>
<td>✓</td>
<td></td>
<td>7 day free trial of Network Magic Pro plus 30 day trial of Home Network Defender</td>
<td></td>
</tr>
<tr>
<td>Take real-time screenshots of other users’ activity</td>
<td>✓</td>
<td></td>
<td>7 day free trial of Network Magic Pro</td>
<td></td>
</tr>
<tr>
<td>Receive daily computer usage reports</td>
<td>✓</td>
<td></td>
<td>7 day free trial of Network Magic Pro plus 30 day trial of Home Network Defender</td>
<td></td>
</tr>
<tr>
<td>Restrict access to inappropriate content and block web threats</td>
<td>Available through Home Network Defender* (30 day free trial)</td>
<td>Available through Home Network Defender* (30 day free trial)</td>
<td>Available through Home Network Defender* (30 day free trial)</td>
<td></td>
</tr>
<tr>
<td>View network activity</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Protect Your Network</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Add Wireless security†</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Detect Intruders†</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Protect shared files while roaming</td>
<td>✓</td>
<td>✓</td>
<td>7 day free trial of Network Magic Pro</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Maintain and Repair Your Network</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Internet connection repair</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Test Internet speed</td>
<td>✓</td>
<td></td>
<td>7 day free trial of Network Magic Pro</td>
<td>✓</td>
</tr>
<tr>
<td>Network health and security alerts</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Hardware support</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supports Linksys by Cisco hardware</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Supports non-Linksys hardware</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Operating system support</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Works on Windows XP, Vista</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Mac file and printer sharing support*** (sold separately)</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
</tbody>
</table>

*Available through a 30-day trial license*
Overview

Network Magic Features | Pro | Essentials | Basic | Mac Add-on
--- | --- | --- | --- | ---
Licensing and Support | ✓ | ✓ | ✓ |
1 Year Free Tech Support | ✓ | ✓ | ✓ |
Priority Tech Support Line | ✓ | ✓ |
Max number of computers | Up to 8 | Up to 3 | Up to 8 | Up to 8

* Home Network Defender, powered by Trend Micro, is sold separately.

*** Network Magic for Mac Add-on is sold separately. Currently Network Magic for the Mac Add-on only enables printer sharing between Macs and PCs for printers supported by the Macintosh operating system. To view a list of supported printers, go to [http://docs.info.apple.com/article.html?artnum=301175](http://docs.info.apple.com/article.html?artnum=301175).

† Wireless Protection/Network Lock works with certain routers. [Check List](http://www.networkmagic.com/product/supported/netlock.php)

### Pricing and Availability

Pricing is determined by the version of Network Magic purchased and installed.

**Standard Pricing (in US dollars)**
- Basic: Free for Linksys by Cisco hardware customers
- Pro: $49.99
- Essentials: $29.99
- Mac: $25.00

**Upgrade Pricing (in US dollars)**
- Upgrade to Network Magic 5.5 Pro: $24.99

All versions of Network Magic 5.5 are available at [http://www.networkmagic.com](http://www.networkmagic.com).
Technical Support

Network Magic users who purchase Essentials or Pro can receive free technical support at http://www.networkmagic.com/support. Users can review a list of frequently asked questions, find answers to common support questions, and post questions on the Technical Support Forum. They can also contact technical support directly by email or by calling (888) 812-9402, Monday through Friday from 9:00 am to 5:00 pm PST and Saturday and Sunday from 11:00 am to 4:00 pm PST.

Network Magic Support Services Feature

Network Magic Support Services is an opt-in feature available during installation that periodically uploads information about a user’s network to Support personnel. When users call Support, the support representative can instantly see information about the devices on their network, including types of computers (PCs or Macs) operating systems, firmware versions, and connectivity information. This data is used only by Support representatives when helping users with a problem and is not personally identifiable. The data is not associated with a specific user until a Support representative is given a unique Support Code from the user.

To access this support feature, in Network Magic, click the Help menu and then click Help Center.
Network Magic Quick Tour

Before you begin this tour, install Network Magic on each computer connected to the network. To download and install Network Magic, visit http://www.networkmagic.com/download/ and follow the instructions. If you have a previous version of Network Magic installed, be sure to uninstall that version first before installing the new version.

Also, to make the most of your Network Magic experience, test the application in a typical home or small office network environment. Typically, this includes two or more computers, a router, a printer, a modem, and a broadband connection to the Internet and other network devices.

**System Requirements**

Recommended minimum system requirements for PC and Macintosh computers:

**Network Magic for PCs**

**Operating system:** Microsoft® Windows® Vista (all editions including 64-bit editions) and Windows XP (all versions with SP1 or later, including x64 edition)

**Processor:** Intel® Pentium® III or equivalent

**Memory:**
- 256 megabytes (MB) RAM for Windows XP
- 512 megabytes (MB) RAM for Windows Vista

**Network adapter:** wired (Ethernet) or wireless, with Internet connection (router, gateway)*

**Disk space:** 100 megabytes (MB)

**Web browser:** Microsoft Internet Explorer version 5.5 or later


**Network Magic for Mac Add-On**

**Operating system:** Mac OS X 10.4.11 (Tiger) or 10.5.5 or later (Leopard)

**Processor:** G4, G5, or Intel-based CPU

**Memory:** 256 megabytes (MB) RAM

**Disk space:** 100 megabytes (MB)

**Compatible network hardware**

- **Printers** Use Network Magic to easily share a printer connected to a computer.
- **Devices** Network Magic uses its own device discovery protocol as well as many industry standards, such as UPnP (Universal Plug ‘n Play), to detect new devices on the network. As a result, Network Magic supports a wide range of compatible devices, including:
  - Routers
  - Powerline adapters
  - Digital media adapters
  - Network video cameras
  - Game consoles such as the Microsoft XBOX 360
  - Desktop and laptop PCs
  - Voice over IP (VoIP) routers
  - Peripherals such as special-use printers, print servers, network drives
The Network Magic User Experience

Network Magic takes the complexity out of networking by giving users a single place to manage all of their networking activities. The product is always running in the background, making sure the network is running reliably.

When users turn on their computer, Network Magic automatically starts and runs in the background. All Network Magic clients communicate to exchange and maintain up-to-date information about computers, devices, and connections on the network. Since Network Magic is always running, users can easily access it by clicking on the Network Magic icon in the system tray.

The Network Magic Pro and Essentials interface has five primary areas:

- **Network Tasks** - Access all the tasks and tools users need to keep their network and connections running optimally and securely.

- **Network Map** - An intuitive, visual way to see what’s on a network and to check the state of network connections, computers, and devices. It's also the place to easily get detailed information about any device on the network.

- **Shared Folders** - Access and share music, digital photos, video, and other files from any computer on the network.

- **Status Center** - A central dashboard that alerts users to vital network information, security issues, and updates.

- **Network Advisor** - Provides helpful links to Network Magic support FAQs, users forums, and general networking news and information.

The Network Magic for the Mac Add-on interface has four primary areas:

- **Network Tasks** - Access the tasks and tools users need to establish and repair a connection, and to share folders and printers.

- **View Connection** - An intuitive, visual way to check the state of network connections and computers.

- **Shared Folders** - Access and share music, digital photos, video, and other files from any computer on the network.

- **Printer Manager** - Access information about printers on the network.

Specific features are available depending on the version of Network Magic. On the following pages, you will explore each Network Magic version and learn how to manage and repair your network; share files, folders, and printers; and track network activity.

The remainder of this guide is divided into two sections: An overview of the Network Magic Pro and Essentials features, and an overview of the Network Magic for the Mac features.
Network Magic 5.5 Essentials and Pro

This section describes the features in Network Magic 5.5 Pro and Essentials. The screen examples are from Network Magic Pro.

Features that are available in Network Magic Pro only are indicated with a Pro icon. Otherwise, all features are available in both Essentials and Pro.

What's New in Network Magic 5.5

Here's a quick look at the new features added to Network Magic 5.5:

**Network Magic Basic**

Linksys by Cisco hardware customers can now get a limited feature set available at no additional charge to help set up their network. Whether chain installed with select hardware or available as a download online at [www.networkmagic.com](http://www.networkmagic.com), this version helps the user with basic home network management and protection. To obtain the features, the user downloads the 7-day free trial of Network Magic Pro. At the end of the trial, the product defaults to the Network Magic Basic version which they can continue to use indefinitely or they can purchase Network Magic Essentials or Pro at any time. For details about the features included in Network Magic Basic, see Network Magic Features on page 2.

**Home Network Defender**

Cisco is partnering with Trend Micro to include Home Network Defender in Network Magic. Home Network Defender is an easy-to-use Internet security for homes with supported Linksys by Cisco routers. Home Network Defender is designed to protect you and your family against cyber criminals and online predators by stopping the threats at the router “gate” before they can get into the home network. It also helps block inappropriate Web site content to young computer users in the home. You can use a free 30 day trial of Home Network Defender when you install it through router setup or Network Magic. After the 30 day trial, you can choose to purchase a yearly subscription or let the trial expire.

**Additional NAS Support**

You can now share a folder located on a Network Attached Storage (NAS) device. Using the Network Map, you can easily access and share folders on any NAS device, making the folders available to other users on the network.

**Cisco User Account**

You can now create a Cisco User Account using Network Magic. This allows you to have one user account that lets you access a variety of Cisco Web sites and benefits. With this single account, you can get personalized information about your registered Cisco and Linksys by Cisco products, have quick access to upgrades, downloads, and drivers.

**Media Player Ranking**

Network Magic now includes a Media Ranking task. When you rank Media Players, you decide which players will be least affected when multiple sources are accessing the network at once. You can rank Media Players in the order you want to use them, providing for best possible performance when streaming audio and video over the network.
Network Tasks: Connect, Protect, Share, and Monitor the Network

Network Magic provides tools that help users optimize their broadband Internet connection, share folders and printers with other computers on their network, and control and monitor computers and users on the network. Network Magic organizes these tools in one convenient place—Network Tasks.
Connecting with Network Magic

Fixing a network connection problem can be a frustrating experience. Determining the source of a problem is challenging enough—however learning how to configure router and network settings, power cycle a modem, or add a device is downright overwhelming for the average consumer. Frustration leads to support calls, customer dissatisfaction, and reluctance on the part of the user to try new network devices and services in the future.

With Network Magic, getting connected—and staying connected—is a simple, pain-free experience. It helps users quickly connect computers, printers, and wireless devices to their network, while optimizing the connections for optimal performance.

Troubleshoot and Repair Connection Problems

Network Magic can fix many common connectivity problems automatically, without the hassles of troubleshooting by trial and error. When it detects a connection problem, the Repair Connection button appears in the Network Status box, located in the upper right corner of the application. Clicking this button launches the Troubleshoot Connection Wizard which analyzes the problem and attempts to fix the connection.

The Wizard performs a series of tests that help find and fix problems with an Internet connection. If successful, the Wizard displays a message stating that the connection was restored. If the problem can’t be automatically fixed, the Wizard provides illustrated step-by-step instructions that help users diagnose and solve the issue, such as a disconnected cable or an unresponsive router.

The Troubleshoot Connection Wizard is also accessible as a Network Task.

Test Internet and Network Speed

A computer’s connection speed can easily be affected by the speed of the broadband connection, the local network speed, or by network activity from other computers and devices on the network. Network Magic’s Internet Speed Test checks the bandwidth of the Internet connection against typical DSL and cable broadband services, as well as the speed of the connection to other computers on the network.

This feature enables users to determine the speeds they are actually getting from their Internet Service Provider.
Connect to a Wireless Network

The Wireless Connection Manager helps users connect and stay connected to the best available wireless network. To open the tool, click Go Wireless in Network Tasks. This easy-to-use feature sorts networks within range by signal strength and availability (such as secured vs. unsecured networks), helping users choose the best connection the first time. And if used with a supported router, the Wireless Connection Manager will automatically detect and enter wireless security settings such as the network name (SSID) and security password. When users are at home or in the office, the Wireless Connection Manager always connects directly to their primary network. Preferred networks, stored in the Favorite Networks tab, automatically connect when users are within range. These can be the Home network, as well as WiFi "hotspots" users visit regularly.

Protection with Network Magic

Network Magic monitors the network in real-time, analyzes problems and keeps the network running smoothly and efficiently. It also includes security enhancements that bring a powerful and effective level of protection to the network, such as:

- **Wireless network protection** - Network Magic helps users secure their wireless networks, detect intruders on the network, and alert users to their presence.

- **PC security** - Network Magic regularly scans every computer on the network to ensure the user's anti-virus, firewall and Windows software are up-to-date and active, helping to keep each computer protected from the most aggressive threats.

- **Hotspot security** - When connected wirelessly to a public hotspot, shared folders are "locked down" to block unauthorized access.

Wireless Protection

Wireless networks are wide open to intruders unless properly secured. Network Magic makes it easy for any user to implement advanced wireless security.

The Change Wireless Protection option is available on the Network Tasks page. It allows users to set the following security features:

- **Network Lock and Intruder Tracking** - Network Lock and Intruder Tracking allows users to see and prevent others from piggybacking on the wireless network with MAC address filtering.

- **Wireless Security** - Common network security encryption standards, such as WEP and WPA2 help protect data transmitted over wireless networks. If WEP/WPA2 encryption is disabled, Network Magic displays a task that reminds users to activate it and provides an easy to use interface to help users enable encryption on their router.
Add a Device to the Network

Network Magic makes it easy to add new devices to a network, even with security features like Network Lock in use. The Add a Device wizard assists users in connecting new devices to the network. It helps users connect the device to the router or access point, and then automatically adds the new device to the Network Map. If Network Lock is enabled, the Add a Device wizard automatically disables the Network Lock, detects the new device, customizes security settings to accept and protect the device, and then restores Network Lock. Adding new computers and devices to a network has never been easier.

Restricting Access and Monitoring Activity

Network Magic gives users simple tools to control and monitor computers and users on the network. Whether it is a parent wanting to monitor what a child is doing on the Internet, or a small business owner overseeing her employees' activities, tools are in place to provide visibility into what is being done online with computers, and when. Reports can be generated that provide recent network history, applications used, and Web usage including sites visited and time online. Users can also set controls for when the Internet is accessible.

Internet Access Control

The Internet Access Control feature allows the user to restrict Internet access for any computer on the network that is running Network Magic. The restrictions are computer-based, not user-based, so they apply to any users on the computer. Each computer on the network can have different Internet access restrictions. Three types of Internet restrictions are available:

- **Allow Internet access**, where users on the computer have open access to the Internet.
- **Prevent Internet access**, where users on the computer have no access to the Internet.
- **Schedule Internet access**, where periods of access to the Internet on a computer are specified in half-hour blocks of time. For example, Internet access can be permitted only from 8:00 A.M. to 10:00 P.M. each day.
To set up Internet access controls, click Control Internet Access, select the computer on which you want to set up Internet access restrictions, then choose the type of access control you want to use for that computer. When a computer's Internet access is restricted, it is indicated in the Network Status Box and the Repair Connection button is not available.

Desktop Screenshots
A desktop screenshot is a picture of what's happening "right now" on a computer in your network. Desktop screenshots allow you to see what a user is currently looking at and doing on a specific computer. Because the screenshot is not interactive, you cannot change it or stop what the user is doing, but you can see exactly what the user is looking at when the screenshot was taken. The Screenshot window also displays a list of software applications currently being used on that computer.

Desktop screenshots can be taken at any time, and can also be scheduled to occur at regular intervals.

To take a desktop screenshot, click Take Desktop Screenshots and select the computer you want to screenshot. In the Desktop Screenshots window, simply click Take Screenshot and the selected computer's desktop shows in the window. This is a great way to monitor what other users are doing at any time without interrupting their work or impacting their computer in any way.

Network Magic Password
Creating a Network Magic Password helps you secure network and computer settings so that other users on the network can't access and accidentally change them. For example, the Network Magic Password can be required to access the wireless protection settings, router settings, and adding new devices to your network. The Network Magic Password also allows you to access the features that monitor other computers on your network so you can see what users are doing on them when you're not around.

You set the Network Magic Password when you install Network Magic. You can also set (or change) the password using the Set Up Network Magic Password and Change Network Magic Password commands on the Tools menu.
Computer Reports

The Computer Reports feature enables tracking and monitoring of online activity for any computer on the network. For example, parents can see what time of day the computer was in use and which Internet sites were accessed. Small business owners can see what software programs are being used and how often, which can help in making future technology purchases.

The Computer Reports feature sends a daily email with a link to that day’s report online. The report shows when the computer was used, what applications were used, and which Web sites were visited for each computer sharing the Internet connection.

To set up Computer Reports, from the Network Tasks screen, click Set Up and View Computer Reports. Use the wizard to specify which computers in the network are reported on, and the email address the report should be sent to. Reports are sent each day and provide details for the previous day.

View Recent Network History

The View Network History feature helps users stay informed about network activity and events. The Network History dialog shows when computers and devices joined and left the network. Network Magic lists a maximum of 200 events and up to 30 days of activity.

The log can help track and monitor unauthorized users in the network. Items in red indicate a computer or device not regularly connected to the network—this can indicate a newly-connected device or an intruder.

Home Network Defender

Home Network Defender is an easy-to-use security service for homes with supported Linksys by Cisco routers. Home Network Defender, powered by Trend Micro, is designed to protect against cyber criminals and online predators by stopping Web threats at the router “gate” before they can get into the home network. It also helps block inappropriate Web site content to young computer users. Home Network Defender is different from the Internet Access Control feature in that it blocks Internet traffic at the router. It provides protection not just for a specific computer, but for all devices on the network that can access the Internet, such as game consoles, Web cameras, personal media players, and Smart Phones. It can also block only certain Web sites, based on content, while keeping the Internet available for other uses.

Users can install a free 30 day trial of Home Network Defender when installing a supported Linksys by Cisco router, or through Network Magic. After the 30 day trial, they can choose to purchase a yearly subscription or let it expire.
The **Configure Home Network Defender** task will be available only if users have a supported router. Simply click the task to get started. It includes three configuration settings for all devices on the network:

**Safe Web Surfing** Prevent you and your family from being directed to malicious content or masquerading Web pages that may steal personal information. These sites include phishing scams, viruses, online fraud, cyber predators, and more. Safe Web Surfing settings apply to all computers and devices on your network.

**Parental Controls** Control what Internet content is being viewed by family members. You can use the same Parental Control settings for all devices on the entire network, or have different settings for each computer or device. For example, you can have no Internet usage restrictions for the entire network, and then configure a child's computer to have strict Internet restrictions, blocking most Web site content. You can also create a custom rule for a specific computer, where you indicate which specific sites and content are not allowed.

**Network Activity Reports** Detailed reports highlighting all Internet traffic through the router. This allows you to know what Web sites users on the network are accessing (or trying to access if they’re blocked). If Network Activity Reports and Computer Reports are both used, the data is combined into one report.

**Cisco User Account**
Creating a Cisco User Account allows users to have one account where they can access a variety of Cisco Web sites and benefits. With this single account, users can:

- Get personalized information about registered Cisco and Linksys by Cisco products
- Have quick access to upgrades, downloads, and drivers
- Access how-to videos and forums based on users interests

To create a Cisco User Account, select **My Account** from the **Tools** menu. Or if you set up Home Network Defender, you will be prompted to create a Cisco User Account.
The Network Map – Always Up-To-Date

Network Magic provides a single place to view computers, devices, and connections on a network, eliminating the need to search for the router’s IP address, tweak files and network properties, or troubleshoot broken connections. It monitors the network in real-time, analyzes problems and keeps the connections running smoothly and efficiently.

View Computers, Devices, and Connections

The Network Map shows all computers and devices connected to the router. It also shows the Internet connection and its current status. Easy-to-see green lines indicate a working connection, while dotted lines indicate a wireless connection. If a connection is lost or broken, the line turns red, showing you exactly where the connection is broken. Use the map to quickly see every device currently on the network and how it’s connected.
Many consumers have trouble locating basic information about computers and devices in their network. Network Magic solves this problem by providing a central location for detailed information. On the Network Map, click the device name and from the dropdown menu, click View Details and Alerts.

The Details and Alerts window shows the available tasks for that device, the current security alerts, and details about the device. For example, clicking a computer on the Network Map and then clicking View Details and Alerts allows users to quickly view the IP address, subnet mask, operating system, processor, and memory (RAM) of the computer at a glance. This information is typically needed when administering network hardware or speaking with a technical support representative, eliminating the need for users to search for information scattered across computers and devices.

**Tasks**

As users manage a network using the Network Map, Network Magic helps them stay on top of standard tasks associated with computers and devices in the network. These steps help make the most of the computers, devices, router, and Internet connection. Click items on the Network Map to view available tasks. Examples include:

- **Computer Tasks** - Rename a computer, activate Network Magic, install updates on other computers, control Internet access, take desktop screenshots, set up Computer Reports, track as an intruder, and view details and security alerts.
- **Device Tasks** - Change the name and the icon used on the Network Map, remove a device from the map, start or stop sharing the device, view details and security alerts.
- **Router Tasks** - Open the administration page, change router access information, change the wireless protection settings, view details and security alerts.
- **Internet Connection Tasks** - View details and security alerts.
- **Network Drive Tasks** - Change the name and icon, set up or manage the device, browse or create shared folders on the network drive.
- **Network Camera Tasks** - Open the camera's streaming video presentation area and view videos.
Administer Routers and Devices

Many routers and devices provide a Web-based administrative utility for setting up and managing settings. These utilities often use a complex URL or IP address that can be difficult to locate and remember. Network Magic solves this problem by enabling users to launch the utility or specific actions.

When adding a supported router or device to the network, Network Magic automatically acquires the Web address for the administrative utility. With just a few clicks, users can quickly check and change router and device settings. On the Network Map, click the router name and then click **Set up or manage device**. The Web browser displays a log-on dialog box. Enter the username and password to access the router's administration Web site.

To view details and available tasks for the router, click the router name and then click **View Details and Alerts**.

Analyze and Repair Network Connections

Identifying network problems can be a challenge for most home network users. Network Magic analyzes the connections on a network, and helps repair any problems that it detects. Users can check the status of connections in several places:

**On the Network Map**: The Network Map displays icons that indicate the current status of each computer, device, and connection:

- Identifies an active connection
- Identifies an active wireless connection
- Identifies a broken connection

**In the Network Status box**: If the network connection is working properly, Network Magic displays a green checkmark and “Connected” on the status line. A red X alerts users to a broken connection. Click **Repair Connection** to launch the Troubleshoot Connection Problems wizard (see **Troubleshoot and Repair Connection Problems**).

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![Network Magic Essentials and Pro](image)

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![Network Magic Reviewer’s Guide](image)

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![Cisco Network Magic™](image)
Notifications

Notifications inform users of new and important changes on their network. When the computer is connected to the primary network, Network Magic displays notifications at the bottom of the screen, on the lower right side of the Windows taskbar. A notification can inform a user that:

- The network connection is lost or restored
- A new folder is shared
- A new device has joined the network
- The Internet has been restricted on the computer
- A known device has returned to the network
- A Network Magic Update is available

Users can choose which notifications to display. From the Tools menu, select Options, and then click the Notifications tab.

Detect and Monitor Intruders

Network Magic's Wireless Intruder Detection feature allows users to identify new devices or visitors as intruders in the network. When a new computer or device joins the network, Network Magic provides an alert notification. If the new computer or device is unauthorized, users can mark the device as an Intruder. To do this, on the Network Map, right-click the device and then select Track as Intruder.

Network Magic adds the Intruder shield to the computer's icon on the Network Map. If the router supports MAC Address Filtering, the intruder's icon will be grayed out, indicating that the intruder has been denied access to the network and shared files.
Monitor Network Security

The **Network Health and Security** feature is a central location to track and manage security on the network. It monitors computers, Internet connection status, and wireless signals, instantly informing users when something requires attention.

Located on the upper right of the Network Magic screen, the Network Health and Security status area displays two key security details:

- **Network Status** - Network Status keeps users informed about activity and events on the network. A green check mark indicates that the Internet connection is working properly. A red X indicates that the computer is not connected to the network. If there is a problem with a connection between the computer and the Internet, Network Magic displays a Repair Connection button in this box, enabling users to launch the Troubleshoot Connection Wizard and repair the connection with a click (see Troubleshoot and Repair Connection Problems for details).

- **Network Alerts** - Network Magic regularly scans networked computers for potential security issues and monitors conditions that can impair network performance. When it finds a problem, a message is displayed in the Network Alerts area.

Alerts are ranked by importance:

- **Critical alerts** (red) - inform of issues that require immediate action to fix security holes that leave the network open to hackers and intruders. If the Windows firewall is disabled, for example, Network Magic can enable the firewall program automatically.

- **Urgent alerts** (yellow) - inform of important actions that can add an extra layer of protection to network security.

To view and respond to an urgent or critical alert, click **Network Alerts** in the Network Status box, or click a device on the Network Map and select **View Details and Alerts**. To see all alerts for all connected devices, open the Status Center and select **View all Alerts**.

![Network Health and Security Alerts](image)
Sharing with Network Magic

Sharing files and resources with other computers is a great convenience and one of the primary reasons people set up a network. Computer users want to share more than just files. They want instant access to documents, digital music, photos and videos from any computer in the network.

When installed on multiple computers, Network Magic makes resource sharing simple and accessible to anyone. It automatically creates an easy-to-use central directory of all shared files on the network (in Shared Folders) and instantly updates it and notifies users when new folders are added.

Find and View Shared Folders

Within the Shared Folders area, users can easily find and manage shared folders on all Network Magic computers connected to the network. This area is dynamically updated any time a new folder is shared on the network.

Click a shared folder and from within the Details tab, view the folder's contents, size, location, and access permissions. When users open a folder, Network Magic opens that folder in Windows Explorer. This allows users to manage the contents of their folders within the familiar Windows Explorer user interface.

Tasks in the Tasks tab allow users to manage the folder. For example, choose to view the contents of the folder, stop sharing the folder, and prevent changes to the folder.
Share a Folder

Shared folders are indicated by easy-to-identify icons for music, photos, videos and other shared files:

Network Magic makes sharing files and folders easy. Sharing a file or folder can be done in several ways:

**From Network Tasks:** Click Share a Folder to browse to a folder to share.

From the Network Magic Folders desktop icon: When users share a folder, Network Magic adds it to Network Magic Folders, located on the desktop. From within this folder, select Add a Network Magic Folder to select a folder to share with other computers on the network.

From an existing or new folder: Select an existing or new folder (for example, on the desktop or in Windows Explorer), right-click on the folder icon, and select Add to Network Magic Folders…

Share a Printer

Network Magic makes printing easier for everyone on the network. Instead of emailing files to the computer connected to the printer or transferring files on a CD or portable drive, users can quickly share printers and use any printer, from any computer.

Network Magic automatically identifies printers connected to computers on the network and adds them to the Network Map. Network Magic also automatically copies the printer driver to computers that use the same version of Microsoft Windows.

To share a printer with other computers, click Share a Printer in Network Tasks. In the dialog box, select the printer and click Share. Network Magic automatically sets up and configures the printer for sharing on the network.

Users can also view printer details and tasks from the Network Map. Simply select the printer name in the Network Map, and then click View Details and Alerts. (If the printer is connected to a computer, click the computer name, and then click the printer's name from the list of tasks.) Details include the printer’s network status, model, and connection location. Tasks include to start or stop sharing the printer, set it as the default printer, view the printer queue, and view the printer’s properties.
Troubleshoot Sharing

Many times users are unable to determine why they cannot access their shared files or shared printers. With the easy-to-follow Troubleshooting wizards, they can easily pinpoint the issue. To troubleshoot a file or printer sharing problem, click Troubleshoot Sharing from the Network Tasks page. The wizard attempts to determine the sharing problem and either solves it, or provides steps for the user to take.
Network Magic displays up-to-the-minute network information, security issues and updates in a central dashboard—the Status Center. From one convenient location, users can view details about the network and Internet connection and respond to alerts with a click.

The Status Center displays the following information:

- Status of **Network and Internet Connections** and **Connection Speed**
- Availability of **Network Magic Updates**
- **News and Information**, including links to articles that help users make the most of their network
- **Health and Security Alerts** (see Monitor Network Security)
- **Wireless Protection** (see Wireless Protection)
- **Network Activity** (see View Recent Network History)
- **Control and Monitor** (see Restricting Access and Monitoring Activity)
The Network Advisor

The Network Advisor offers helpful hints and advice, making it easy for consumers to learn more about networking concepts and trends. It is also where users can find information about new products and services.

Network Advisor provides information about new technologies and network devices, and quick access to forums and support topics. For example, users can quickly see the top ten support questions, giving easy-to-understand answers to common questions from other users.
Network Magic for the Mac Add-on

This section describes the features in Network Magic for the Mac Add-on version 4.0.

Note Network Magic for the Mac Add-on must be used with Network Magic Pro or Network Magic Essentials.

Network Tasks: Connect and Share

Network Magic for the Mac Add-on provides tools that help users optimize their broadband Internet connection and share folders and printers with other computers on their network. Network Magic organizes these tools in one convenient place, Network Tasks.

Connecting with Network Magic

Fixing a network connection problem can be a frustrating experience. Determining the source of a problem is challenging enough—however learning how to configure router and network settings, power cycle a modem, or add a device is downright overwhelming for the average consumer. Frustration leads to support calls, customer dissatisfaction, and reluctance on the part of the user to try new network devices and services in the future.

Network Magic for the Mac makes getting connected—and staying connected—a simple, pain-free experience. It helps users quickly connect computers, printers, and wireless devices to their network, while optimizing the connections for optimal performance.
Troubleshoot and Repair Connection Problems

Network Magic can fix many common connectivity problems automatically, without the hassles of troubleshooting by trial and error. When Network Magic detects a connection problem, it displays a Repair Connection button in the lower-right corner of the Network Magic window. Clicking the button launches the Repair Connection wizard, which analyzes the problem and attempts to fix the connection. The wizard is also accessible in Network Tasks.

The Repair Connection wizard performs a series of tests that help find and fix problems with an Internet connection. If Network Magic can’t automatically fix the problem, it provides illustrated step-by-step instructions that help users diagnose and solve the issue, such as a disconnected cable or an unresponsive router.

Test Internet and Network Speed

The computer’s connection speed can be affected by the speed of the broadband connection, the local network speed, and by network activity from other computers and devices on the network. The Internet Speed Test checks the bandwidth of the Internet connection against typical DSL and cable broadband services, as well as the speed of the computer’s connection to other computers on the network.

This feature gives users a clear picture about why they are getting the speeds they are.

Connect to a Wireless Network

Network Magic makes it easy to connect to a wireless network by accessing the connection manager on your Mac. To connect to a wireless network, on the Network Tasks page, click Connect to a Wireless Network. The wireless connection manager available on your computer opens, and you can select a network to connect to.
Sharing with Network Magic

Sharing files and resources with other computers is a great convenience and one of the primary reasons people set up a network. Computer users want to share more than just files. They want instant access to documents, digital music, photos and videos from any computer in the network.

When installed on multiple computers, Network Magic makes resource sharing simple and accessible to anyone. It automatically creates an easy-to-use central directory of all shared files on the network (in Shared Folders) and instantly updates it and notifies users when new folders are added.

Share a folder

From Network Tasks, click Share a Folder to browse to a folder to share, and then click Share.

Users can also share a folder from the Shared Folders page by clicking Share a Folder.

Find and View Shared Folders

From within the Shared Folders page, users can easily find and manage shared folders on all Network Magic computers connected to the network. This area is dynamically updated any time a new folder is shared on the network.

Click a shared folder and in the window to the right, click Advanced Details to view the folder's size, location, and access permissions. Click Open Share to view and access the folder's contents. To stop sharing the currently-selected folder, click Stop Sharing.

Identifying Shared Folders

Shared folders are indicated by easy-to-identify icons:
Share a Printer

Network Magic makes printing easier for everyone on the network. Instead of emailing files to the computer connected to the printer or transferring files on a CD or portable drive, users can quickly set up printers on the network and print to any printer, from any computer.

Network Magic takes the confusion out of adding a new printer to the network. To share a printer with other computers, in the Network Tasks page, click Share a Printer. The dialog box shows the printer connected to the computer; click Start Sharing to share the printer. Network Magic automatically sets up and configures the printer on the network. Note that only Mac compatible printers can be shared using Network Magic.

View Printer Details

With Network Magic users can easily view printer details from the Printer Manager. The Details area lists the printer’s network status, model, and connection location. From this list, users can also configure a printer.
**Protection with Network Magic**

Network Magic monitors the network in real-time, analyzes problems and keeps the network running smoothly and efficiently. When connected wirelessly to a public hotspot, shared folders can be “locked down” to block unauthorized access.

**Stay Protected When Away**

Network Magic allows users to determine if a network should be "trusted" to display shared folders and files. When connected to other networks, such as a Wi-Fi hotspot at a café, users can “lock down” shared files to prevent them from being accessed by unauthorized users.

To specify whether a network is trusted, click the Network Magic icon (/button) and click **Trust** or **Distrust**, depending on whether you want shared files and folders to be available to someone else on the network. You can also access this feature from the View Connection page.
View Connection – Always Up-To-Date

Network Magic provides a single place to view the local computer and LAN/WAN connections in a network—no more searching for the router’s IP address, tweaking files and network properties or troubleshooting broken connections. Network Magic monitors the network in real-time, analyzes problems and keeps it running smoothly and efficiently.

View the Local Computer and Connection

View Connection provides a central view of the local computer and LAN/WAN connections. If there is a connection problem, it lets users see where the connection is broken: between the ISP and the router, or between the router and the computer.

The map is divided into the following sections:

- **Internet Connection/router** - The connection from the network to the Internet Service Provider (ISP) and the router in the network.

- **This Computer** - The current computer where Network Magic is running.

Analyze and Repair Network Connections

When something goes wrong, identifying the problem can be a challenge. Network Magic analyzes a network’s connections and helps repair any problems that it detects. Users can check the status of connections in several places:

The View Connection map displays icons that indicate the current status of each computer and connection:

- Identifies an active connection.

- Identifies a wireless connection from a computer on the network.

- Identifies a broken connection with a red X at the disconnected computer.

The area at the bottom of the View Connection map shows the connection status as well. If the network connection is working properly, Network Magic displays a green checkmark and displays “Connected” next to Home Network and Internet.
View Computer and Connection Information

Many computer users have trouble locating basic information about computers and devices in the network. Network Magic solves this problem by providing a central location for detailed information. On the View Connection page, click an icon for the Internet, router, or computer. Information about the selected item appears on the right side of the screen.

Here, users can quickly view the router details at a glance—information needed when administering network hardware or speaking with a technical support representative. And if the user has a router with HNAP implemented, additional information is available, such as the router's Network SSID, security settings, manufacturer, firmware version, MAC address, and more.

With network information in one place, users no longer need to search for information scattered on computers and devices around the house.

Administer Routers

Most routers provide a Web-based administrative utility for changing and managing settings. Often, these utilities use a complex URL or IP address that can be difficult to locate and remember. Network Magic solves this problem by enabling users to launch the utility directly.

When adding a supported router to the network, Network Magic automatically acquires the Web address for the administrative utility. With just a few clicks, users can use the View Connection map to quickly check and change router settings.

Click the router icon on the View Connection map, and in the details area, click Set Access to My Router. If the router has a Web-based administrative utility, a log-on dialog box opens. Follow the steps in the router's documentation to specify the user name and password.

Contact Information

We thank you for reviewing Network Magic. We invite you to continue exploring the application to learn about advanced features and functionality not covered in this guide.

If you have any questions or need additional information, please contact Trevor Bratton at Trevor.bratton@cisco.com.