

# CiscoWorks Network Compliance Manager 1.5

PB573743

## Product Overview

CiscoWorks Network Compliance Manager (NCM) tracks and regulates configuration and software changes throughout a multivendor network infrastructure. It provides superior visibility into network changes and can track compliance with a broad variety of regulatory, IT, corporate governance, and technology requirements. NCM helps IT staff identify and correct trends that could lead to problems such as network instability and service interruption.

## New Features

NCM 1.5 includes the following new features:

- **Virtual device and virtual context support:** NCM now provides support for virtual devices, including VMware's Virtual Switch (vSwitch) technology available through VMware's Infrastructure (ESX) and the Cisco Nexus 1000v Series switches. These new virtual devices can be managed alongside legacy devices, providing centralized support. Virtual devices, as well as devices that support virtual contexts, now benefit from device relationship enhancements that provide management of non-IP addressed contexts, as well as views of the underlying relationships between the actual hardware and virtual contexts.
- **Enhanced relationship modeling:** Devices may have relationships with other devices or contained modules that run an independent operating system—complete with a full configuration and interfaces. NCM 1.5 distinguishes relationship types including both user-defined and system-defined relationships.
- **Enhanced task scheduling:** Two key task management features, task prioritization and round-robin execution of group tasks, have been implemented to improve the execution order of tasks.
- **Enhanced Device Selector and Device Group Explorer:** With the enhanced Device Selector and Device Group Explorer you can easily navigate group trees to select devices and device groups for a variety of use cases.
- **Enhanced VLAN support:** NCM now provides functionalities necessary to view fully and to provision VLANs on network switches from different vendors.
- **Link aggregation support:** Using link aggregation support, NCM can list all of the links (or connections) associated with a specific port on a device. This information is gleaned from enhanced diagnostics or from new device context information. Link aggregation lets you manage a device with virtual contexts that assign multiple connections to a physical port.
- **Provisioning and scripting API enhancements:** You can now list device templates, show device template configurations, modify device template configurations, and provision devices using the Device Relationships API.
- **Solaris 64-bit support:** When installing NCM on a Solaris platform, NCM uses the 64-bit Java Virtual Machine (JVM). As a result, NCM can utilize more memory and achieve enhanced scalability and performance.
- **Caching improvements:** Caching improvements increase performance of many functions across the NCM product. Minimizing redundant data lookups such as driver lookup and device lookup while using memory more efficiently on both 32-bit and 64-bit systems have been implemented.

- **Driver-defined diagnostics:** Driver-defined diagnostics allow drivers to specify the set of diagnostics that are “standard” for that driver and define new basic diagnostics that the system will treat as “built in.” The ability to define “standard” diagnostics for a device will allow more up-to-date diagnostic implementations for any given device.

## Availability

NCM 1.5 is orderable beginning December 15, 2009, and begins shipping on December 18, 2009. NCM 1.5 can be ordered through regular sales channels. NCM 1.5 is also available for evaluation at <http://www.cisco.com/go/nmsevals>.

The latest NCM service packs and incremental device driver updates can be downloaded from <http://tools.cisco.com/support/downloads/go/Redirect.x?mdfid=280594420>.

## Licensing

CiscoWorks NCM 1.5 is licensed on the number of nodes under management. Customers must purchase the NCM core software and incremental license bundles as needed to achieve the total number of required node licenses.

The high availability (HA) or horizontal scalability (HS) deployment option available for NCM requires additional licensing. Customers wishing to use this option must purchase the NCM HA/HS Software Media kit and HA/HS license bundles to achieve the total number of required node licenses. This total should match the number of standard node licenses purchased.

NCM satellites are optional and require the purchase of an NCM Satellite Media Kit and license for each deployed satellite.

CiscoWorks NCM Alert Center is an optional subscription service that requires purchase of the Alert Center core software and the incremental Alert Center license bundles to achieve the total number of required node licenses. Alert Center subscriptions are valid for one year and need to be repurchased each year to maintain access to the service.

## Ordering Information

Table 1 lists ordering information. CiscoWorks NCM 1.5 is available for purchase through regular Cisco sales and distribution channels worldwide. To place an order, visit the Cisco Ordering Homepage. Table 2 lists upgrade options for NCM.

**Table 1.** Ordering Information for CiscoWorks NCM 1.5

Part Number*	Product Description
<b>Base Part Numbers</b>	
<b>CWNCM-1.5-CORE-K9*</b>	CWNCM 1.5 Core Software Media Kit
<b>CWNCM-1.5-HA-K9*</b>	CWNCM 1.5 HA/HS Software Media Kit
<b>CWNCM-1.5-SAT-K9=</b>	CWNCM 1.5 Satellite Software Media Kit and License
<b>Incremental Core Licenses</b>	
<b>CWNCM-1X-INC50*</b>	CWNCM incremental core license for 100 managed nodes
<b>CWNCM-1X-INC100*</b>	CWNCM incremental core license for 100 managed nodes
<b>CWNCM-1X-INC500*</b>	CWNCM incremental core license for 500 managed nodes
<b>CWNCM-1X-INC1K*</b>	CWNCM incremental core license for 1000 managed nodes
<b>CWNCM-1X-INC2.5K*</b>	CWNCM incremental core license for 2500 managed nodes
<b>CWNCM-1X-INC5K*</b>	CWNCM incremental core license for 5000 managed nodes

<b>CWNCM-1X-INC10K*</b>	CWNCM incremental core license for 10,000 managed nodes
<b>CWNCM-1X-INC25K*</b>	CWNCM incremental core license for 25,000 managed nodes
<b>Incremental High Availability Licenses</b>	
<b>CWNCM-1X-HAINC50*</b>	CWNCM incremental high availability license for 50 nodes
<b>CWNCM-1X-HAINC100*</b>	CWNCM incremental high availability license for 100 nodes
<b>CWNCM-1X-HAINC500*</b>	CWNCM incremental high availability license for 500 nodes
<b>CWNCM-1X-HAINC1K*</b>	CWNCM incremental high availability license for 1000 nodes
<b>CWNCM-1X-HAINC2.5K*</b>	CWNCM incremental high availability license for 2500 nodes
<b>CWNCM-1X-HAINC5K*</b>	CWNCM incremental high availability license for 5000 nodes
<b>CWNCM-1X-HAINC10K*</b>	CWNCM incremental high availability license for 10,000 nodes
<b>CWNCM-1X-HAINC25K*</b>	CWNCM incremental high availability license for 25,000 nodes
<b>Incremental Alert Center One-Year Subscription Licenses</b>	
<b>CWNCMACS-1X-50=</b>	CWNCM Alert Center 1-Yr Subscription for 50 managed nodes
<b>CWNCMACS-1X-100=</b>	CWNCM Alert Center 1-Yr Subscription for 100 managed nodes
<b>CWNCMACS-1X-500=</b>	CWNCM Alert Center 1-Yr Subscription for 500 managed nodes
<b>CWNCMACS-1X-1K=</b>	CWNCM Alert Center 1-Yr Subscription for 1000 managed nodes
<b>CWNCMACS-1X-2.5K=</b>	CWNCM Alert Center 1-Yr Subscription for 2500 managed nodes
<b>CWNCMACS-1X-5K=</b>	CWNCM Alert Center 1-Yr Subscription for 5000 managed nodes
<b>CWNCMACS-1X-10K=</b>	CWNCM Alert Center 1-Yr Subscription for 10,000 managed nodes
<b>CWNCMACS-1X-25K=</b>	CWNCM Alert Center 1-Yr Subscription for 25,000 managed nodes

\* Nonconfigurable variants are also available for the noted part numbers. The nonconfigurable variant part numbers are formed by appending an equal sign (=) to the part number in the table (for example, CWNCM-1.5-CORE-K9=).

**Note:** For high availability or horizontal scalability deployments of NCM, please contact Cisco Advanced Services for installation and configuration services.

**Note:** NCM Alert Center is an optional subscription component that requires renewal on an annual basis.

**Table 2.** NCM Upgrade Options

User's Current Release	Has a current NCM service contract?	What to order for NCM 1.5
Any NCM 1.x release	Yes	Customers can request the appropriate NCM 1.5 media kits at no charge from the Cisco Product Upgrade Tool at <a href="http://www.cisco.com/upgrade">http://www.cisco.com/upgrade</a> . See Table 1 for the media kit part numbers.
Any NCM 1.x release	No	Customers can order the NCM 1.5 media kits using normal Cisco sales channels. See Table 1 for the media kit part numbers.

## Service and Support

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

## NCM Collaboration Portal

A new collaboration portal is available for the NCM user community at <https://networkautomation.itorigin.net>. This portal provides a wealth of information about NCM such as detailed training material, archived Video on Demands (VODs), discussion forums, NCM virtual machines, and other useful information.

## For More Information

For more information about NCM, visit <http://www.cisco.com/go/cwncm>, contact your local account representative, or send an email to [ask-ncm-pm@cisco.com](mailto:ask-ncm-pm@cisco.com).



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