



# Supplement and Release Notes for CiscoWorks Security Information Management Solution (SIMS) 3.4.1

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OL-11757-01

Revised October 31, 2006

This document provides Cisco-specific information to supplement the CiscoWorks Security Information Management Solution (SIMS) 3.4.1 documentation, developed by netForensics, Inc. This document contains:

- [Acknowledgements, page 2](#)
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## Acknowledgements

CiscoWorks SIMS is the netForensics, Inc., Security Information Management Solution. This product is offered to Cisco Systems customers in cooperation with netForensics, Inc.

## Important Information About This Update



### Caution

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If you use a CiscoWorks SIMS version earlier than 3.4, you must upgrade to version 3.4 *before* you try to install the CiscoWorks SIMS 3.4.1 update. You must *not* apply this update to any CiscoWorks SIMS version earlier than 3.4. If you do, your server might become unstable or unusable.

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Topics in this section describe how this release differs from earlier releases:

- [Updated Documents](#), page 2
- [Agents in This Update](#), page 3

## Updated Documents

The following netForensics guides are updated for the CiscoWorks SIMS 3.4.1 release. For information about where you can obtain them, see **nFX\_OSP3.4.1ReleaseNotes.Cisco.pdf**:

- *nFX OSP Unix and Windows Installation Guide*
- *nFX OSP Administration and Configuration Guide*
- *nFX OSP User's Guide*

- *nFX OSP Reports Guide*
- *nFX OSP Vulnerability Correlation Administration Guide*

See [Documentation Roadmap, page 6](#) for detailed information.

## Agents in This Update

This update includes new and changed agents. To learn more, see these topics:

- [Changed Terminology, page 3](#)
- [New and Replaced Agents, page 3](#)
- [Updated Agents, page 4](#)
- [Agent Installation Notes, page 5](#)

## Changed Terminology

The *3.3 Consolidated Agent* from CiscoWorks SIMS 3.3 has been renamed. Its new name is *Agent Installation (October 2006)*.

## New and Replaced Agents

Agent Installation (October 2006) includes the following new agents:

- nF Agent for AirDefense Enterprise Agent
- nF Agent for Fortinet FortiGate
- nF Agent for Microsoft ISA Server
- nF Agent for Microsoft SQL Server
- nF Agent for RippleTech Informant
- nF Agent for Unix OS
- nF Agent for Websense Enterprise



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**Note** nF Agent for Unix OS replaces the following two agents:

- nF Agent for HP Unix
  - nF Agent for IBM AIX OS
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## Updated Agents

Agent Installation (October 2006) includes updates to the following agents:

- nF Agent for Sidewinder
- nF Agent for Dragon Sensor
- nF Agent for Sourcefire EStreamer
- nF Agent for Real Secure ISS Site Protector
- nF Agent for Real Secure Desktop Protector
- nF Agent for Arbor Peakflow X
- nF Agent for Cisco Secure IPS
- nF Agent for Symantec AntiVirus
- nF Agent for Foundstone Scanner
- nF Agent for Syslog File Agent (syslog)
- nF Agent for Syslog File Agent (Java)

## Agent Installation Notes

The version of CiscoWorks SIMS that you have determines whether, how, and when you use Agent Installation (October 2006). For detailed information, see **nFASIM-3.3.1-PNTUPD-58404.tar.gz**.

Version	Notes
3.4.1	You already have the software that this update contains.
3.4	<p>You must apply Point Update 58405 from the <i>Agent Installation (October 2006)</i> CD-ROM before you install any of the agents included in this release:</p> <ul style="list-style-type: none"> <li>• <b>nFASIM-3.4-PNTUPD-58405.tar.gz</b> is in the Prerequisite Point Updates/3.4 Prerequisite subdirectory.</li> <li>• For detailed installation instructions, see <i>Point Update 58405 for CiscoWorks SIMS 3.4 Release Notes</i>, in the Documents subdirectory.</li> </ul>
3.3.1	<p>You must apply Point Update 58404 from the <i>Agent Installation (October 2006)</i> CD-ROM before you install any of the agents included in this release:</p> <ul style="list-style-type: none"> <li>• <b>nFASIM-3.3.1-PNTUPD-58404.tar.gz</b> is in the Prerequisite Point Updates/3.3.1 Prerequisite subdirectory.</li> <li>• For detailed installation instructions, see <i>Point Update 58404 for CiscoWorks SIMS 3.3.1 Release Notes</i>, in the Documents subdirectory.</li> </ul>
3.3 or earlier	<p>You must complete this procedure before you install any of the agents included in this release:</p> <ol style="list-style-type: none"> <li>1. Upgrade to CiscoWorks SIMS 3.3.1. For detailed upgrade instructions, see either: <ul style="list-style-type: none"> <li>• <i>nFX OSP Version 3.3.1 Release Notes</i>.</li> <li>or</li> <li>• <i>nFX OSP Version 3.3.1 Migration Update Release Notes</i>.</li> </ul> </li> <li>2. From the <i>Agent Installation (October 2006)</i> CD-ROM, apply Point Update 58404: <ul style="list-style-type: none"> <li>• <b>nFASIM-3.3.1-PNTUPD-58404.tar.gz</b> is in the Prerequisite Point Updates/3.3.1 Prerequisite subdirectory.</li> <li>• For detailed installation instructions, see <i>Point Update 58404 for CiscoWorks SIMS 3.3.1 Release Notes</i>, in the Documents subdirectory.</li> </ul> </li> </ol>

# Product Availability Change Notice

**Note**

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- Although certain earlier releases of CiscoWorks SIMS provided a Starter Kit option, CiscoWorks SIMS 3.4.1 does not. Instead, you can purchase the CiscoWorks SIMS Enterprise Lite software, which provides additional software components. See [Additional License Restrictions, page 20](#).
  - Registered CiscoWorks SIMS Starter Kit customers will receive a Starter Kit upgrade to CiscoWorks SIMS 3.4.1. See [Additional License Restrictions, page 20](#).
  - Registered CiscoWorks SIMS Starter Kit users can follow an upgrade path to either CiscoWorks SIMS Enterprise Pack or CiscoWorks SIMS Enterprise Lite. See [Additional License Restrictions, page 20](#).
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## Documentation Roadmap

To install and use CiscoWorks SIMS effectively, read the core documents described in [Table 1 on page 7](#) in the order listed.

**Note**

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- We might update this document after its original publication. Therefore, you should also review it on Cisco.com for any updates.
  - To view Adobe Portable Document Format (PDF) files, Adobe Acrobat Reader 4.0 or later is required.
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Table 1 Sequence to Read Core CiscoWorks SIMS Documentation

PDF Filename	Document Title; Description and Intended Audience; Part Number	Written By netForensics	Written By Cisco Systems	PDF in the CiscoWorks SIMS ISO Image on Cisco.com	HTML and PDF on Cisco.com
1. nfsupp341.pdf (this document)	<b>Supplement and Release Notes for CiscoWorks Security Information Management Solution 3.4.1</b>  <i>All users; describes Cisco-specific registration, licensing, product, features, known problems, and other information to supplement the documentation written by netForensics, Inc.</i>		X		X
2. nFX_OSP3.4.1ReleaseNotes.Cisco.pdf	<b>CiscoWorks SIMS Version 3.4.1 Release Notes</b>  <i>All users; describes system requirements, supported platforms, product installation, product feature highlights, and known issues.</i>	X		X	
3. nFAgentReleaseNotes (October2006).Cisco.pdf	<b>CiscoWorks SIMS Agent Installation (October 2006) Release Notes</b>  <i>All users; describes required configuration tasks for the Agent Installation (October 2006) release.</i>	X		X	
4. nFX_OSP_HCE_ReleaseNotes.Cisco.pdf	<b>nFX OSP Historical Correlation Engine Release Notes</b>  <i>All users; describes system requirements, supported platforms, product installation, product feature highlights, and known issues.</i>	X		X	

**Table 1** Sequence to Read Core CiscoWorks SIMS Documentation (continued)

PDF Filename	Document Title; Description and Intended Audience; Part Number	Written By netForensics	Written By Cisco Systems	PDF in the CiscoWorks SIMS ISO Image on Cisco.com	HTML and PDF on Cisco.com
5. nFX_OSP_DepIPlanIm plGuide.Cisco.pdf	<p><b>nFX OSP Deployment Planning and Implementation Guide Version 3.4</b></p> <p><i>All users; describes CiscoWorks SIMS (nFX OSP) architecture, components, use cases, options, and requirements, and provides case studies.</i></p> <p>OL-10758-01</p>	X		X	
6. nFX_OSP_InstallGuide .Cisco.pdf	<p><b>nFX OSP Unix and Windows Installation Guide Red Hat Enterprise Linux AS 2.1, AS 3.0 Solaris 8, Solaris 9 (SPARC) Windows 2000 Server and Advanced Server Windows 2003 Version 3.4.1 October 2006</b></p> <p><i>Network and system administrators; provides details about the preparation for and installation of CiscoWorks SIMS (nFX OSP).</i></p> <p>OL-11681-01</p>	X		X	
7. nFX_OSP_Administrati onGuide.Cisco.pdf	<p><b>nFX OSP Administration and Configuration Guide Version 3.4.1</b></p> <p><i>All users; describes the user interface, architecture and concepts, prerequisites, configuration, user settings, component and administrative options, database management and performance, reports, device message formats, diagnostics, maintenance, rollback and fault tolerance.</i></p> <p>OL-11531-01</p>	X		X	

Table 1 Sequence to Read Core CiscoWorks SIMS Documentation (continued)

PDF Filename	Document Title; Description and Intended Audience; Part Number	Written By netForensics	Written By Cisco Systems	PDF in the CiscoWorks SIMS ISO Image on Cisco.com	HTML and PDF on Cisco.com
8. nFX_OSP_UsersGuide.Cisco.pdf	<b>nFX OSP User's Guide Version 3.4.1</b>				
	<i>Network security professionals and general users; describes how to use CiscoWorks SIMS (nFX OSP) to view and analyze security information in a computer network.</i>				
	OL-11532-01	X		X	
9. nFX_OSP_AdvancedUsersGuide.Cisco.pdf	<b>nFX OSP Advanced User's Guide Version 3.4</b>				
	<i>Network security professionals, system and network administrators; describes security monitoring strategy, best practices, the need for—and importance of—computer forensics, and the advantages derived from incident response.</i>				
	OL-10757-01	X		X	
10. nFReportsguide.Cisco.pdf	<b>nFX OSP Reports Guide Version 3.4.1</b>				
	<i>Network security professionals and system administrators; provides details about the reporting tools.</i>				
	OL-11533-01	X		X	
11. nFX_OSP_IRMAdminguide.Cisco.pdf	<b>nFX OSP Incident Resolution Management Administration Guide Version 3.4</b>				
	<i>All users.</i>				
	OL-10760-01	X		X	

Table 1 Sequence to Read Core CiscoWorks SIMS Documentation (continued)

PDF Filename	Document Title; Description and Intended Audience; Part Number	Written By netForensics	Written By Cisco Systems	PDF in the CiscoWorks SIMS ISO Image on Cisco.com	HTML and PDF on Cisco.com
12. nFX_OSP_RBC_AdministrationGuide.Cisco.pdf	<b>nFX OSP Rule Based Correlation Administration Guide Version 3.4</b>				
	<i>All users.</i> OL-10761-01	X		X	
13. nFX_OSP_RBC_LoggingTuningGuide.cisco.pdf	<b>Logging Requirements and RBC Tuning Guide Version 3.4</b>				
	<i>Network security professionals, system and network administrators; provides details about tuning RBC engine rules in CiscoWorks SIMS (nFX OSP).</i> OL-10756-01	X		X	
14. nFX_OSP_VCAAdministrationGuide.Cisco.pdf	<b>nFX OSP Vulnerability Correlation Administration Guide Version 3.4.1</b>				
	<i>All users.</i> OL-11534-01	X		X	
15. nFX_OSP_SecureCertificateManagerGuide.Cisco.pdf	<b>nFX OSP Secure Certificate Manager &amp; SSL Setup and Administration Guide Version 3.4</b>				
	<i>Network security professionals and general users; provides details about using Secure Certificate Manager to generate certificates.</i> OL-10974-01	X		X	

**Table 1** Sequence to Read Core CiscoWorks SIMS Documentation (continued)

PDF Filename	Document Title; Description and Intended Audience; Part Number	Written By netForensics	Written By Cisco Systems	PDF in the CiscoWorks SIMS ISO Image on Cisco.com	HTML and PDF on Cisco.com
16. nFX_OSP_QuickConnect_UserGuide.Cisco.pdf	<b>nFX OSP Quick Connect User Guide Version 3.4</b>				
	<i>Network security professionals and general users; provides information about Quick Connect features, architecture and configuration, describes the user interface, and provides step-by-step procedures for important tasks.</i>				
	OL-10978-01	X		X	
17. nFX_OSP_SecurityPortal.Cisco.pdf	<b>nFX OSP Security Portal Server User's Guide Version 3.4</b>				
	<i>Network administrators; provides details about logging into and out of SPS, describes the SPS interface, tools, and controls, and provides examples of scheduled reports that you can view.</i>				
	OL-10979-01	X		X	

In addition, online help written by netForensics is integrated into the CiscoWorks SIMS (nFX OSP) product to provide all users with context-sensitive, task-oriented assistance.

## Obtaining Documentation

Cisco documentation and additional literature are available on Cisco.com. This section explains the product documentation resources that Cisco offers.



Note

Cisco Systems does not sell documentation that netForensics prepares for users of nFX OSP products, also known collectively as CiscoWorks SIMS. For information on where and how a Cisco customer can obtain netForensics documentation for CiscoWorks SIMS 3.4, see [Table 1 on page 7](#).

## Cisco.com

You can access the most current Cisco documentation at this URL:

<http://www.cisco.com/techsupport>

You can access the Cisco website at this URL:

<http://www.cisco.com>

You can access international Cisco websites at this URL:

[http://www.cisco.com/public/countries\\_languages.shtml](http://www.cisco.com/public/countries_languages.shtml)

## Product Documentation DVD

The Product Documentation DVD is a library of technical product documentation on a portable medium. The DVD enables you to access installation, configuration, and command guides for Cisco hardware and software products. With the DVD, you have access to the HTML documentation and some of the PDF files found on the Cisco website at this URL:

<http://www.cisco.com/univercd/home/home.htm>

The Product Documentation DVD is created and released regularly. DVDs are available singly or by subscription. Registered Cisco.com users can order a Product Documentation DVD (product number DOC-DOCDVD= or DOC-DOCDVD=SUB) from Cisco Marketplace at the Product Documentation Store at this URL:

<http://www.cisco.com/go/marketplace/docstore>

## Ordering Documentation

You must be a registered Cisco.com user to access Cisco Marketplace. Registered users may order Cisco documentation at the Product Documentation Store at this URL:

<http://www.cisco.com/go/marketplace/docstore>

If you do not have a user ID or password, you can register at this URL:

<http://tools.cisco.com/RPF/register/register.do>

## Documentation Feedback

You can provide feedback about Cisco technical documentation on the Cisco Technical Support & Documentation site area by entering your comments in the feedback form available in every online document.

## Cisco Product Security Overview

Cisco provides a free online Security Vulnerability Policy portal at this URL:

[http://www.cisco.com/en/US/products/products\\_security\\_vulnerability\\_policy.html](http://www.cisco.com/en/US/products/products_security_vulnerability_policy.html)

From this site, you will find information about how to do the following:

- Report security vulnerabilities in Cisco products
- Obtain assistance with security incidents that involve Cisco products
- Register to receive security information from Cisco

A current list of security advisories, security notices, and security responses for Cisco products is available at this URL:

<http://www.cisco.com/go/psirt>

To see security advisories, security notices, and security responses as they are updated in real time, you can subscribe to the Product Security Incident Response Team Really Simple Syndication (PSIRT RSS) feed. Information about how to subscribe to the PSIRT RSS feed is found at this URL:

[http://www.cisco.com/en/US/products/products\\_psirt\\_rss\\_feed.html](http://www.cisco.com/en/US/products/products_psirt_rss_feed.html)

## Reporting Security Problems in Cisco Products

Cisco is committed to delivering secure products. We test our products internally before we release them, and we strive to correct all vulnerabilities quickly. If you think that you have identified a vulnerability in a Cisco product, contact PSIRT:

- For emergencies only — [security-alert@cisco.com](mailto:security-alert@cisco.com)

An emergency is either a condition in which a system is under active attack or a condition for which a severe and urgent security vulnerability should be reported. All other conditions are considered nonemergencies.

- For nonemergencies — [psirt@cisco.com](mailto:psirt@cisco.com)

In an emergency, you can also reach PSIRT by telephone:

- 1 877 228-7302
- 1 408 525-6532



### Tip

We encourage you to use Pretty Good Privacy (PGP) or a compatible product (for example, GnuPG) to encrypt any sensitive information that you send to Cisco. PSIRT can work with information that has been encrypted with PGP versions 2.x through 9.x.

Never use a revoked encryption key or an expired encryption key. The correct public key to use in your correspondence with PSIRT is the one linked in the Contact Summary section of the Security Vulnerability Policy page at this URL:

[http://www.cisco.com/en/US/products/products\\_security\\_vulnerability\\_policy.html](http://www.cisco.com/en/US/products/products_security_vulnerability_policy.html)

The link on this page has the current PGP key ID in use.

If you do not have or use PGP, contact PSIRT to find other means of encrypting the data before sending any sensitive material.

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## Product Alerts and Field Notices

Modifications to or updates about Cisco products are announced in Cisco Product Alerts and Cisco Field Notices. You can receive Cisco Product Alerts and Cisco Field Notices by using the Product Alert Tool on Cisco.com. This tool enables you to create a profile and choose those products for which you want to receive information.

To access the Product Alert Tool, you must be a registered Cisco.com user. (To register as a Cisco.com user, go to this URL:

<http://tools.cisco.com/RPF/register/register.do>) Registered users can access the tool at this URL:

<http://tools.cisco.com/Support/PAT/do/ViewMyProfiles.do?local=en>

## Obtaining Technical Assistance

Cisco Technical Support provides 24-hour-a-day award-winning technical assistance. The Cisco Technical Support & Documentation website on Cisco.com features extensive online support resources. In addition, if you have a valid Cisco service contract, Cisco Technical Assistance Center (TAC) engineers provide telephone support. If you do not have a valid Cisco service contract, contact your reseller.

## Cisco Technical Support & Documentation Website

The Cisco Technical Support & Documentation website provides online documents and tools for troubleshooting and resolving technical issues with Cisco products and technologies. The website is available 24 hours a day at this URL:

<http://www.cisco.com/techsupport>

Access to all tools on the Cisco Technical Support & Documentation website requires a Cisco.com user ID and password. If you have a valid service contract but do not have a user ID or password, you can register at this URL:

<http://tools.cisco.com/RPF/register/register.do>



**Note**

Use the **Cisco Product Identification Tool** to locate your product serial number before submitting a request for service online or by phone. You can access this tool from the Cisco Technical Support & Documentation website by clicking the **Tools & Resources** link, clicking the **All Tools (A-Z)** tab, and then choosing **Cisco Product Identification Tool** from the alphabetical list. This tool offers three search options: by product ID or model name; by tree view; or, for certain products, by copying and pasting **show** command output. Search results show an illustration of your product with the serial number label location highlighted. Locate the serial number label on your product and record the information before placing a service call.



**Tip**

Displaying and Searching on Cisco.com

If you suspect that the browser is not refreshing a web page, force the browser to update the web page by holding down the Ctrl key while pressing F5.

To find technical information, narrow your search to look in technical documentation, not the entire Cisco.com website. On the Cisco.com home page, click the **Advanced Search** link under the Search box and then click the **Technical Support & Documentation** radio button.

To provide feedback about the Cisco.com website or a particular technical document, click **Contacts & Feedback** at the top of any Cisco.com web page.

## Submitting a Service Request

Using the online TAC Service Request Tool is the fastest way to open S3 and S4 service requests. (S3 and S4 service requests are those in which your network is minimally impaired or for which you require product information.) After you describe your situation, the TAC Service Request Tool provides recommended

solutions. If your issue is not resolved using the recommended resources, your service request is assigned to a Cisco engineer. The TAC Service Request Tool is located at this URL:

<http://www.cisco.com/techsupport/servicerequest>

For S1 or S2 service requests, or if you do not have Internet access, contact the Cisco TAC by telephone. (S1 or S2 service requests are those in which your production network is down or severely degraded.) Cisco engineers are assigned immediately to S1 and S2 service requests to help keep your business operations running smoothly.

To open a service request by telephone, use one of the following numbers:

Asia-Pacific: +61 2 8446 7411

Australia: 1 800 805 227

EMEA: +32 2 704 55 55

USA: 1 800 553 2447

For a complete list of Cisco TAC contacts, go to this URL:

<http://www.cisco.com/techsupport/contacts>

## Definitions of Service Request Severity

To ensure that all service requests are reported in a standard format, Cisco has established severity definitions.

**Severity 1 (S1)**—An existing network is “down” or there is a critical impact to your business operations. You and Cisco will commit all necessary resources around the clock to resolve the situation.

**Severity 2 (S2)**—Operation of an existing network is severely degraded, or significant aspects of your business operations are negatively affected by inadequate performance of Cisco products. You and Cisco will commit full-time resources during normal business hours to resolve the situation.

**Severity 3 (S3)**—Operational performance of the network is impaired while most business operations remain functional. You and Cisco will commit resources during normal business hours to restore service to satisfactory levels.

**Severity 4 (S4)**—You require information or assistance with Cisco product capabilities, installation, or configuration. There is little or no effect on your business operations.

# Obtaining Additional Publications and Information

Information about Cisco products, technologies, and network solutions is available from various online and printed sources.

- The Cisco Online Subscription Center is the website where you can sign up for a variety of Cisco e-mail newsletters and other communications. Create a profile and then select the subscriptions that you would like to receive. To visit the Cisco Online Subscription Center, go to this URL:

<http://www.cisco.com/offer/subscribe>

- The *Cisco Product Quick Reference Guide* is a handy, compact reference tool that includes brief product overviews, key features, sample part numbers, and abbreviated technical specifications for many Cisco products that are sold through channel partners. It is updated twice a year and includes the latest Cisco channel product offerings. To order and find out more about the *Cisco Product Quick Reference Guide*, go to this URL:

<http://www.cisco.com/go/guide>

- Cisco Marketplace provides a variety of Cisco books, reference guides, documentation, and logo merchandise. Visit Cisco Marketplace, the company store, at this URL:

<http://www.cisco.com/go/marketplace/>

- Cisco Press publishes a wide range of general networking, training, and certification titles. Both new and experienced users will benefit from these publications. For current Cisco Press titles and other information, go to Cisco Press at this URL:

<http://www.ciscopress.com>

- *Internet Protocol Journal* is a quarterly journal published by Cisco Systems for engineering professionals involved in designing, developing, and operating public and private internets and intranets. You can access the *Internet Protocol Journal* at this URL:

<http://www.cisco.com/ipj>

- Networking products offered by Cisco Systems, as well as customer support services, can be obtained at this URL:

<http://www.cisco.com/en/US/products/index.html>

- Networking Professionals Connection is an interactive website where networking professionals share questions, suggestions, and information about networking products and technologies with Cisco experts and other networking professionals. Join a discussion at this URL:  
<http://www.cisco.com/discuss/networking>
- “What’s New in Cisco Documentation” is an online publication that provides information about the latest documentation releases for Cisco products. Updated monthly, this online publication is organized by product category to direct you quickly to the documentation for your products. You can view the latest release of “What’s New in Cisco Documentation” at this URL:  
<http://www.cisco.com/univercd/cc/td/doc/abtunicd/136957.htm>
- World-class networking training is available from Cisco. You can view current offerings at this URL:  
<http://www.cisco.com/en/US/learning/index.html>

## CiscoWorks SIMS Licensing and Registration

This section contains the following:

- [Supplemental End-User License Agreement, page 20](#)
- [Registration and Licensing Notes for All CiscoWorks SIMS Components and Add-On Kits, page 24](#)
- [Getting Help with Licensing, page 24](#)
- [End User License, page 25](#)

# Supplemental End-User License Agreement

## SUPPLEMENTAL LICENSE AGREEMENT FOR CISCO SYSTEMS SECURITY MANAGEMENT SOFTWARE: CiscoWorks Security Information Management Solution Product Line

**IMPORTANT—READ CAREFULLY:** This Supplemental License Agreement (“SLA”) contains additional limitations on the license to the Software provided to Customer under the Software License Agreement between Customer and Cisco. Capitalized terms used in this SLA and not otherwise defined herein shall have the meanings assigned to them in the Software License Agreement. To the extent that there is a conflict among any of these terms and conditions applicable to the Software, the terms and conditions in this SLA shall take precedence.

By installing, downloading, accessing or otherwise using the Software, Customer agrees to be bound by the terms of this SLA. If Customer does not agree to the terms of this SLA, Customer may not install, download, or otherwise use the Software. When used below, the term “server” refers to central processor unit.

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### 1. ADDITIONAL LICENSE RESTRICTIONS.

- **Installation and Use.** The Software and all of its related components are provided to Customer solely to install, update, supplement, or replace existing functionality of the applicable Security Management Software product. Customer may install and use the following Software components subject to the following restrictions:
  - **CiscoWorks Security Information Management Solution (SIM) Starter Kit Software Upgrade:**
    - Master Engine Server: Customer may upgrade on one (1) server, per license certificate, in the Customer’s network management environment.
    - Distributed Engine Server: Customer may upgrade on one (1) server, per license certificate, in the Customer’s network management environment.
    - Database: Customer may upgrade one (1) instance of the Oracle standard database on one (1) server with five (5) Oracle human users and up to four (4) CPUs per license certificate, in the Customer’s network management environment. Additional Oracle human user licenses are purchased separately.

- Device Licenses for Agents: The SIM Starter Kit and its upgrade provide a license certificate to allow agents to monitor a minimum of thirty (30) devices, in the Customer's network environment. Additional device licenses are purchased separately.
- **CiscoWorks Security Information Management Solution (SIM) Enterprise Lite Software:**
  - Master Engine Server: Customer may install on one (1) server, per license certificate, in the Customer's network management environment.
  - Distributed Engine Server: Customer may install on one (1) server, per license certificate, in the Customer's network management environment.
  - Database: Customer may install one (1) instance of the Oracle standard database on one (1) server with five (5) Oracle human users and up to four (4) CPUs per license certificate, in the Customer's network management environment. Additional Oracle standard or enterprise database or human user licenses are purchased separately.
  - Device Licenses for Agents: The SIM Starter Kit and its upgrade provide a license certificate to allow agents to monitor up to five (5) devices, in the Customer's network environment. Additional device licenses are purchased separately.
  - Enterprise Security Portal: Customer may install on one (1) server, per license certificate, in the Customer's network management environment.
  - Quick Connect: Customer may install on one (1) server, per license certificate, in the Customer's network management environment.
- **CiscoWorks Security Information Management Solution (SIM) Enterprise Pack Software:**
  - Master Engine Server: Customer may install on one (1) server, per license certificate, in the Customer's network management environment.
  - Distributed Engine Server: Customer may install on one (1) server, per license certificate, in the Customer's network management environment.
  - Database: Customer may install one (1) instance of the Oracle standard database on one (1) server with five (5) Oracle human users and up to four (4) CPUs per license certificate, in the Customer's network management environment. Additional Oracle standard or enterprise database or human user licenses are purchased separately.

- Device Licenses for Agents: The SIM Starter Kit and its upgrade provide a license certificate to allow agents to monitor up to ten (10) devices, in the Customer's network management environment. Additional device licenses are purchased separately.
- Enterprise Security Portal: Customer may install on one (1) server, per license certificate, in the Customer's network management environment.
- Quick Connect: Customer may install on one (1) server, per license certificate, in the Customer's network management environment.
- Rule Based Correlation Engine: Customer may install on one (1) server, per license certificate, in the Customer's network management environment.
- Vulnerability Correlation Engine: Customer may install on one (1) server, per license certificate, in the Customer's network management environment.
- Incident Resolution Management: Customer may install on one (1) server, per license certificate, in the Customer's network management environment.
- **CiscoWorks Security Information Management Solution (SIM) Enterprise Pack Software Upgrade from the Starter Kit:**
  - Software Upgrade: Customer may upgrade on one (1) server of each SIMS software component, per license certificate, in the Customer's network management environment.
  - Enterprise Security Portal: Customer may upgrade on one (1) server, per license certificate, in the Customer's network management environment.
  - Quick Connect: Customer may upgrade on one (1) server, per license certificate, in the Customer's network management environment.
  - Rule Based Correlation Engine: Customer may upgrade on one (1) server, per license certificate, in the Customer's network management environment.
  - Vulnerability Correlation Engine: Customer may upgrade on one (1) server, per license certificate, in the Customer's network management environment.
  - Incident Resolution Management: Customer may upgrade on one (1) server, per license certificate, in the Customer's network management environment.

- **The following restrictions apply when Customer has exercised an option to purchase additional software components or device licenses for CiscoWorks SIMS:**
  - Enterprise Security Portal: Customer may install on one (1) server, per license certificate, in the Customer’s network management environment.
  - Rule Based Correlation Engine: Customer may install on one (1) server, per license certificate, in the Customer’s network management environment.
  - Vulnerability Correlation Engine: Customer may install on one (1) server, per license certificate, in the Customer’s network management environment.
  - Incident Resolution Management: Customer may install on one (1) server, per license certificate, in the Customer’s network management environment.
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  - Database: Customer may install one (1) additional standard or enterprise Oracle database on one (1) server, per license certificate, in the Customer's network management environment.
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