



# Cisco Active Network Abstraction 3.7.3 Documentation Guide

---

OL-24482-01

The Cisco Active Network Abstraction (Cisco ANA) 3.7.3 documentation set is divided into two portions. One portion is the user documentation, which can be accessed at:

[http://www.cisco.com/en/US/products/ps6776/tsd\\_products\\_support\\_series\\_home.html](http://www.cisco.com/en/US/products/ps6776/tsd_products_support_series_home.html)

The other portion is the integration developer documentation, which is available from the Cisco Developer Community website. It can be accessed at:

<http://developer.cisco.com/web/ana/home>

## Product Documentation Set

The Cisco ANA 3.7.3 documentation set contains the following guides:

- *Cisco Active Network Abstraction 3.7.3 User Guide*
- *Cisco Active Network Abstraction 3.7.3 Configuration and Image Management User Guide*
- *Cisco Active Network Abstraction Network Service Activation 1.3 User Guide*
- *Cisco Active Network Abstraction 3.7.3 Quick Start Guide*
- *Cisco Active Network Abstraction 3.7.3 Installation Guide*
- *Cisco Active Network Abstraction 3.7.3 VNE Device Package Installation Guide*
- *Cisco Active Network Abstraction 3.7.3 Third-Party VNE Device Package Installation Guide*
- *Cisco Active Network Abstraction 3.7.3 Device Package Third-Party VNE Reference Guide*
- *Cisco Active Network Abstraction 3.7.3 Reference Guide—VNE Addendum*
- *Cisco Active Network Abstraction 3.7.3 Release Notes*
- *Cisco Active Network Abstraction 3.7.3 Administrator Guide*
- *Cisco Active Network Abstraction Network Service Activation 1.3 Customization Guide*
- *Open Source Used in Cisco Active Network Abstraction 3.7.3*



---

**Americas Headquarters:**  
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

Although the following documents were not updated for this release, their content applies to Cisco ANA 3.7.3.

- [Cisco Active Network Abstraction 3.7.2 Reference Guide](#) (reference information is instead provided in the [Cisco Active Network Abstraction 3.7.3 Release Notes](#))
- [Cisco Active Network Abstraction 3.7.2 Theory of Operations](#)
- [Cisco Active Network Abstraction 3.7.2 Customization User Guide](#)
- [Cisco Active Network Abstraction Integration Developer Guide](#)

## Getting Started with Cisco ANA

To get started with Cisco ANA, read through:

- [Cisco Active Network Abstraction 3.7.2 Theory of Operations Guide](#)—Provides a broad introduction to Cisco ANA including its architecture, operations, and client applications, as well as its incorporation and presentation of networking technologies. This book is intended as a “read-me-first” for users who want to understand Cisco ANA theory and operations. (Although this guide was not updated for the Cisco ANA 3.7.3 release, its content is relevant.)

To install Cisco ANA and learn about the specifics of this release, read through:

- [Cisco Active Network Abstraction 3.7.3 Quick Start Guide](#)—Designed for a small-to-medium Cisco ANA deployments, this guide provides steps that lead users through the planning, installation, and postinstallation of Cisco ANA 3.7.3, to the point where users can view maps to visualize their network. This guide is relevant for a small network setup (up to 100 devices), new installation (no upgrade), and no high availability.
- [Cisco Active Network Abstraction 3.7.3 Installation Guide](#)—Designed for all Cisco ANA deployments, this guide provides procedures for installing and upgrading to Cisco ANA 3.7.3 including installation of gateways, gateway high availability, units, and clients, as well as installation of Cisco ANA Configuration and Image Management and Network Service Activation.
- [Cisco Active Network Abstraction 3.7.3 VNE Device Package Installation Guide](#)—Describes how to install Cisco VNE Device Packages (DPs) using the **ivne** script and verify the installation. (DPs can include device support for new software versions, topologies, modules, technologies, service events, traps, syslogs, Configuration and Image Management, and reduced polling.)
- [Cisco Active Network Abstraction 3.7.3 Third-Party VNE Device Package Installation Guide](#)—Describes how to install third-party VNE DPs using the **ivne** script and verify the installation.
- [Cisco Active Network Abstraction 3.7.3 Release Notes](#)—Describes the contents of Cisco ANA 3.7.3, including new features, fixed caveats, and known caveats or other restrictions.

To learn how to use the Cisco ANA GUI clients for element management, network monitoring, and service monitoring, read through:

- [Cisco Active Network Abstraction 3.7.3 User Guide](#)—Describes how to use the Cisco ANA NetworkVision and EventVision GUI applications to view network element physical and logical inventories, network topologies, and network and service maps. It also describes the reporting, fault management operations, and path-tracing capabilities of Cisco ANA so users can view, track, and resolve faults trends, and identify and isolate network problems. Finally, it describes technology-specific properties and how to view them in Cisco ANA NetworkVision.

- [Cisco Active Network Abstraction 3.7.3 Configuration and Image Management User Guide](#)—Describes how to use Cisco ANA Configuration and Image Management, which provides tools that allow users to manage the software and device configuration changes that are made to devices in your network. The Configuration and Image Management features are provided as an optional installable package from the product DVD.
- [Cisco Active Network Abstraction Network Service Activation 1.3 User Guide](#)—Describes how to create and customize Cisco ANA Network Service Activation (NSA) activation scripts, wizards, and workflows. The guide explains about the NSA customization concepts, wizard metadata files, and metadata schema. It also includes a complete list of predefined service activation scripts and utilities provided with Cisco ANA.
- [Cisco Active Network Abstraction 3.7.2 Reference Guide](#)—Provides a central location for Cisco ANA reference material:




---

**Note** This guide was not updated for the Cisco ANA 3.7.3 release, but you can find complete information on new support for devices, alarms and events, and so forth, in the [Cisco Active Network Abstraction 3.7.3 Release Notes](#).

---

- VNE Reference, which lists the devices, software versions, topologies, modules, and technologies supported by Cisco ANA.
- Technology Support and Information Model Reference, which describes the level of functionality that Cisco ANA provides for each supported technology.
- Alarms, events, traps, and syslogs supported by Cisco ANA.
- Command scripts packaged with Cisco ANA.
- [Cisco Active Network Abstraction 3.7.3 Reference Guide—VNE Addendum](#)—Lists new VNE support provided in DPs that can be downloaded from Cisco.com and installed on Cisco ANA 3.7.3. DPs can include device support for new software versions, topologies, modules, technologies, service events, traps, syslogs, Change and Configuration Management, and reduced polling.
- [Cisco Active Network Abstraction 3.7.3 Device Package Third-Party VNE Reference Guide](#)—Lists the third-party devices, software versions, topologies, modules, and technologies supported by Cisco ANA. Also provides information about using the VNE Customization Builder (VCB) to extend third-party VNE support. Includes information about new third-party device support can be added by downloading and installing third-party DPs

To administer and maintain Cisco ANA, read through:

- [Cisco Active Network Abstraction 3.7.3 Administrator Guide](#)—Describes the structure and features of the Cisco ANA system, including how to manage and customize the server, units, AVMs, and VNEs. The guide includes both basic and advanced administration tasks. It also describes how to use Cisco ANA Manage, the GUI client application designed to simplify and facilitate Cisco ANA administration.

To learn how to customize Cisco ANA features to meet the needs of your network, read through:

- [Cisco Active Network Abstraction 3.7.2 Customization User Guide](#)—Describes the suite of Cisco ANA customization features, including:
  - Soft Properties, which can extend the network element property information displayed by the GUIs and manage threshold crossing alarms.
  - Command Builder command scripts, which enable you to execute a programmable sequence of SNMP or Telnet command lines.

- Workflow Editor, which manages workflows.
- VNE Customization Builder (VCB), a command-line tool for adding NEs, modules, and events to an installed Cisco ANA system, thereby extending the installed Cisco ANA software.

This guide also lists the registry parameters you can use to customize event and alarm reporting, how to launch external applications from Cisco ANA NetworkVision, and Drools rules management. (Although this guide was not updated for the Cisco ANA 3.7.3 release, its content is relevant.)

- [Cisco Active Network Abstraction Network Service Activation 1.3 Customization Guide](#)—Describes how to create and customize Cisco ANA NSA activation scripts and workflows.

For licensing information on third party and open source used in Cisco ANA 3.7.3, read through:

- [Open Source Used in Cisco Active Network Abstraction 3.7.3](#)—Lists the licenses and notices for open source software used in Cisco ANA 3.7.3.

To learn how to integrate Cisco ANA with other OSSs using the Cisco ANA integration tools and northbound APIs, read through:

- [Cisco Active Network Abstraction Integration Developer Guide](#)—Describes the Broadband Query Language (BQL) and Information Model Objects (IMOs), and their functions. It also explains how to run BQL over web services (WSDL) connections and over HTTP interfaces, and how to manage SNMP notifications. (This guide was not updated for the Cisco ANA 3.7.3 release.)

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: <http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>.

Subscribe to *What's New in Cisco Product Documentation*, which lists all new and revised Cisco technical documentation, as an RSS feed and deliver content directly to your desktop using a reader application. The RSS feeds are a free service.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: [www.cisco.com/go/trademarks](http://www.cisco.com/go/trademarks). Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

© 1999-2011 Cisco Systems, Inc. All rights reserved.