



Release Notes for Cisco AsyncOS 8.0.0 for Web

Published: February 14, 2014

Contents

This document contains release information for running Cisco AsyncOS 8.0 for the Web Security appliance, and includes the following sections:

- [What's New in Cisco AsyncOS 8.0 for Web, page 2](#)
- [Upgrade Paths, page 4](#)
- [Preupgrade Requirements, page 5](#)
- [Installation and Upgrade Notes, page 6](#)
- [Upgrading AsyncOS for Web, page 8](#)
- [Current Information about Known and Resolved Issues, page 9](#)
- [Related Documentation, page 10](#)
- [Support, page 10](#)



What's New in Cisco AsyncOS 8.0 for Web

Feature	Description
New Features	
Cloud Web Security Connector	<p>The 8.0 release introduces a new configuration mode, which allows you to connect to and direct traffic to Cisco Cloud Web Security for policy enforcement and threat defense.</p> <p>Cloud Web Security Connector mode is available through the Cisco Web Security Virtual Appliance as well as the physical Web Security appliance.</p> <p>Documentation for the Cloud Connector is in Chapter 3 of the User Guide, "Connect the Appliance to a Cloud Web Security Tower." To put the Web Security appliance in Cloud Connector mode, begin with "Configuring the Cloud Connector."</p> <p>Note Kerberos authentication and IPv6 addresses are not supported in Cloud Connector mode.</p> <p>Note After upgrading to AsyncOS 8.0, if you plan to use the appliance in Cloud Connector mode, do not put the appliance into Standard mode using the System Setup Wizard. Put the appliance directly into Cloud Connector mode.</p>
Kerberos Authentication	<p>Kerberos is a "pass through" authentication protocol for Windows, Mac OS X, and other operating systems. Due to many operating systems today that no longer support NTLM or NTLM SSO, Kerberos has become a very popular authentication protocol. This feature supports Kerberos Version 5 (MS KRB5 and KRB5), and AD servers such as 2003, 2008, 2008R2, and 2012. We also support the following Internet browsers : IE, Chrome, Firefox and Safari.</p> <p>Note Active Directory realms created prior to 8.0 will not have the Kerberos scheme available.</p>

Feature	Description
Cisco Web Security Virtual Appliance	<p>Cisco offers the Cisco Web Security appliance as a virtual machine that you can host on your own network.</p> <p>The virtual appliance requires a separate license for the virtual appliance purchased from Cisco and a Cisco UCS Server (Blade or Rack-Mounted) hardware platform running VMware ESXi version 4.x, 5.0, or 5.1.</p> <p>The Cisco Security Virtual Appliance Installation Guide includes more information on the requirements for the virtual appliance.</p> <p>The new Web Security virtual appliance models and configurations are:</p> <ul style="list-style-type: none"> • S000V (250 GB disk space, 50 GB cache space, 1 core, 4 GB memory) • S100V (250 GB disk space, 50 GB cache space, 2 cores, 6 GB memory) • S300V (1024 GB disk space, 200 GB cache space, 4 cores, 8 GB memory) <p>This feature includes the following changes to AsyncOS for Web:</p> <ul style="list-style-type: none"> • The Web Security virtual appliance license allows you to clone and run multiple virtual appliances on your network. • The loadlicense CLI command for installing the virtual appliance license. • You can use the same license for multiple virtual appliances. <p>Feature keys are included as part of the virtual appliance license. The feature keys will expire at the same time as the license. Purchasing new feature keys will require downloading and installing a new virtual appliance license.</p> <p>Due to feature keys being included in the virtual appliance license, there are no 30-day evaluations for AsyncOS features.</p> <p>You cannot open a Technical Support tunnel before installing the virtual appliance license.</p> <p>The version and supportrequest CLI commands have also been updated to include virtual appliance information.</p> <p>There are new alerts and logs for mis-configured virtual appliances.</p> <p>For more information, see Deploying a Virtual Appliance, page 7.</p>
IPv6 Support	<p>IPv6 is supported in both explicit and transparent deployment modes. The IPv6 feature is designed to have the same familiar configuration interface as IPv4. Existing features such as HTTP/HTTPS/FTP, L4TM, Proxy bypass, URL categorization, AVC, among many others all are IPv6 ready. Logs and reports are largely unchanged but offer additional visibility into IPv6 traffic.</p> <p>See Functional Support for IPv6 Addresses for additional information.</p>

Feature	Description
Enhancements	
User Interface	<p>AsyncOS 8.0.0 introduces an easier-to-use interface that allows "drag and drop" capabilities. The "view reports" page, favorites page, and other interfaces allow user to drag and drop to rearrange items on the screen, such as ordering a list or moving components of the reports dashboard to a different location.</p> <p>The following pages support drag and drop:</p> <ul style="list-style-type: none"> • Identities • Access Policies • Decryption Policies • Routing Policies • Cisco Data Security • Outbound Malware Scanning • External Data Loss Prevention <p>Also:</p> <ul style="list-style-type: none"> • Users can now create their own favorites list and customize and schedule My Reports. These features are available from the My Favorites menu. • Users can now adjust web reputation and categorization settings separately using either the web or command line interface. • Users now have the option preserve network settings when resetting the configuration.

Upgrade Paths

You can upgrade to release 8.0.0-405 from the following versions:

- 7.5.0-703
- 7.5.0-727
- 7.5.0-810
- 7.5.0-825
- 7.5.0-833
- 7.5.0-834
- 7.5.0-836
- 7.5.0-838
- 7.5.0-840
- 7.5.0-850
- 7.5.0-860
- 7.5.0-861
- 7.5.1-074
- 7.5.1-079

- 7.5.1-085
- 7.5.1-201
- 7.5.1-223
- 7.5.1-230
- 7.5.1-245
- 7.5.2-118
- 7.5.2-202
- 7.5.2-303
- 7.5.2-322
- 7.5.7-048
- 7.7.0-500
- 7.7.0-608
- 7.7.0-710
- 7.7.5-190
- 7.7.5-194
- 7.7.5-302

Before you start the upgrade process, see [Installation and Upgrade Notes, page 6](#).

Preupgrade Requirements

Update RAID Controller Firmware

Before upgrading the AsyncOS software, update the RAID controller firmware as described in *Cisco Update for RAID Controller Firmware (For S360/S370/S660/S670 only, reboot required) Release Notes*.

Login to the Administrator Account

You must be logged in as the admin to upgrade.

Preserve Pre-Upgrade Data from the System Capacity Report

Pre-upgrade data for CPU usage for Web Reputation and Web Categorization (as shown in the CPU Usage by Function chart on the System Capacity report page) will not be available after upgrade. If you need to preserve this historic data, export or save the data for the CPU Usage by Function chart as CSV or PDF before you upgrade.

In this release, Web Reputation and Web Categorization data have been combined into a single collation called “Acceptable Use and Reputation.”

Known Issues

Before you upgrade AsyncOS for Web, see “[Current Information about Known and Resolved Issues](#)” section on page 9.

Installation and Upgrade Notes

- [Compatibility Details](#)
- [Deploying a Virtual Appliance](#)
- [Configuration Files](#)
- [Compatibility with Cisco AsyncOS for Security Management](#)
- [Post-Upgrade Reboot](#)

Compatibility Details

- [Compatibility with Cisco AsyncOS for Security Management](#)
- [IPv6 and Kerberos Not Available in Cloud Connector Mode](#)
- [Functional Support for IPv6 Addresses](#)

Compatibility with Cisco AsyncOS for Security Management

Features on AsyncOS 8.0 for Web are supported by AsyncOS for Security Management version 8.2. For more information about compatibility between the Web Security appliance and Security Management appliance, see the compatibility matrix in the release notes for the Security Management appliance posted on the Cisco products web site:

http://www.cisco.com/en/US/products/ps10155/prod_release_notes_list.html

IPv6 and Kerberos Not Available in Cloud Connector Mode

When the appliance is configured in Cloud Connector mode, unavailable options for IPv6 addresses and Kerberos authentication appear on pages of the web interface. Although the options appear to be available, they are not supported in Cloud Connector mode. Do not attempt to configure the appliance to use IPv6 addresses or Kerberos authentication when in Cloud Connector mode.

Functional Support for IPv6 Addresses

Features and functionality that support IPv6 addresses:

- Command line and web interfaces. You can access WSA using `http://[2001:2:2::8]:8080` or `https://[2001:2:2::8]:8443`
- Performing Proxy actions on IPv6 data traffic (HTTP/HTTPS/SOCKS/FTP)
- IPv6 DNS Servers
- WCCP 2.01 (Cat6K Switch) and Layer 4 transparent redirection
- Upstream Proxies

- Authentication Services
 - Active Directory (NTLMSSP, Basic, and Kerberos)
 - LDAP
 - SaaS SSO
 - Transparent User Identification through CDA (communication between WSA and CDA is IPv4 only)
 - Credential Encryption
- Web Reporting and Web Tracking
- External DLP Servers (communication between WSA and DLP Server is IPv4 only)
- PAC File Hosting

Features and functionality that require IPv4 addresses:

- Internal SMTP relay
- External Authentication
- Log subscriptions push method: FTP, SCP, and syslog
- NTP servers
- Local update servers, including Proxy Servers for updates
- Authentication services
- AnyConnect Security Mobility
- Novell eDirectory authentication servers
- Custom logo for end-user notification pages
- Communication between the Web Security appliance and the Security Management appliance
- WCCP versions prior to 2.01
- SNMP

Availability of Kerberos Authentication for Operating Systems and Browsers

You can use Kerberos authentication with these operating systems and browsers:

- Windows servers 2003, 2008, 2008R2 and 2012
- Latest releases of Safari and Firefox browsers on Mac (OSX Version 10.5+)
- IE (Version 7+) and latest releases of Firefox and Chrome browsers on Windows 7 and XP.

Kerberos authentication is not available with these operating systems and browsers:

- Windows operating systems not mentioned above
- Browsers not mentioned above
- iOS and Android

Deploying a Virtual Appliance

To deploy a virtual appliance, see the *Cisco Content Security Virtual Appliance Installation Guide*, available from http://www.cisco.com/en/US/products/ps10164/prod_installation_guides_list.html.

To migrate your configuration from physical hardware, use one of the following procedures:

Upgrade Option 1

- Step 1** Upgrade your physical appliance to AsyncOS 8.0.
 - Step 2** Save the configuration file.
 - Step 3** Set up your virtual appliance with AsyncOS 8.0.
 - Step 4** Import the 8.0 configuration file into the virtual appliance.
-

Upgrade Option 2

- Step 1** If you are running a release earlier than AsyncOS 7.7.0, upgrade to AsyncOS 7.7.0.
 - Step 2** Save the configuration file from AsyncOS 7.7.0.
 - Step 3** Set up your virtual appliance with AsyncOS 7.7.5.
 - Step 4** Import the 7.7.0 configuration file into the virtual appliance.
 - Step 5** Upgrade the virtual appliance to AsyncOS 8.0.
-

Configuration Files

When you upgrade AsyncOS for Web from the web interface or Command Line Interface (CLI), the configuration is saved to file in the /configuration/upgrade directory. You can access the upgrade directory using an FTP client. Each configuration file name is appended with the version number, and passwords in the configuration file are masked so they are not human readable.

Cisco does not generally support the backward compatibility of configuration files with previous major releases. Minor release support is provided. Configuration files from previous versions may work with later releases; however, they may require modification to load. Check with Cisco Customer Support if you have any questions about configuration file support.

Post-Upgrade Reboot

You must reboot the Web Security appliance after you upgrade AsyncOS for Web.

Upgrading AsyncOS for Web

Before You Begin

- Perform preupgrade requirements, including updating the RAID controller firmware. [Preupgrade Requirements, page 5](#).

-
- Step 1** On the System Administration > Configuration File page, save the XML configuration file off the Web Security appliance.

- Step 2** On the System Administration > System Upgrade page, click **Available Upgrades**.
The page refreshes with a list of available AsyncOS for Web upgrade versions.
- Step 3** Click **Begin Upgrade** to start the upgrade process. Answer the questions as they appear.
- Step 4** When the upgrade is complete, click **Reboot Now** to reboot the Web Security appliance.

**Note**

To verify the browser loads the new online help content in the upgraded version of AsyncOS, you must exit the browser and then open it before viewing the online help. This clears the browser cache of any outdated content.

Current Information about Known and Resolved Issues

Use the Cisco Software Bug Toolkit to find current information about known and fixed defects.

Before You Begin

Register for a Cisco account if you do not have one: <https://tools.cisco.com/RPF/register/register.do>.

Procedure

- Step 1** Go to <http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs>.
- Step 2** Log in with your Cisco account credentials.
- Step 3** (Optional) Query the database for Web Security appliance bugs:

For	Enter This
Product Category	Security
Product(s)	Cisco Web Security Appliance

- Step 4** (Optional) Enter a Bug ID number in the "Search for Bug ID" field. Example: CSCzv79153



Note The 5-digit bug numbers used in previous AsyncOS releases cannot be used with this tool.

- Step 5** (Optional) Click the Help link on the Bug Toolkit page or visit <http://www.cisco.com/web/applicat/cbsshel/help.html#personalize> for information about performing these tasks:
- Save searches
 - Create bug groups
 - Sign up for notifications

Related Documentation

The documentation for the Cisco Web Security appliance includes the following books:

- *Cisco AsyncOS for Web User Guide*

Support

Knowledge Base

You can access the Cisco Knowledge Base on the Cisco Customer Support site at the following URL:

<http://www.cisco.com/web/ironport/knowledgebase.html>

**Note**

You need a Cisco.com User ID to access the site. If you do not have a Cisco.com User ID, you can register for one here: <https://tools.cisco.com/RPF/register/register.do>

The Knowledge Base contains a wealth of information on topics related to Cisco products.

Articles generally fall into one of the following categories:

- **How-To.** These articles explain how to do something with a Cisco product. For example, a how-to article might explain the procedures for backing up and restoring a database for an appliance.
- **Problem-and-Solution.** A problem-and-solution article addresses a particular error or issue that you might encounter when using a Cisco product. For example, a problem-and-solution article might explain what to do if a specific error message is displayed when you upgrade to a new version of the product.
- **Reference.** Reference articles typically provide lists of information, such as the error codes associated with a particular piece of hardware.
- **Troubleshooting.** Troubleshooting articles explain how to analyze and resolve common issues related to Cisco products. For example, a troubleshooting article might provide steps to follow if you are having problems with DNS.

Cisco Support Community

Cisco Support Community is an online forum for Cisco customers, partners, and employees. It provides a place to discuss general web security issues as well as technical information about specific Cisco products. You can post topics to the forum to ask questions and share information with other Cisco users.

Access the Cisco Support Community at the following URL:

- For web security and associated management:
<https://supportforums.cisco.com/community/netpro/security/web>

Customer Support

Use the following methods to obtain support:

U.S.: 1 (408) 526-7209 or Toll-free 1 (800) 553-2447

International: http://www.cisco.com/en/US/support/tsd_cisco_worldwide_contacts.html

Support Site: http://www.cisco.com/en/US/products/ps11169/serv_group_home.html

If you purchased support through a reseller or another supplier, please contact that supplier directly with your product support issues.

This document is to be used in conjunction with the documents listed in the “[Related Documentation](#)” section.

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. 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.

© 2014 Cisco Systems, Inc. All rights reserved.

