



Release Notes for Advanced Web Security Reporting (Release 5.0)

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Contents

- [What's New in Release 5.0, page 1](#)
- [System Requirements, page 2](#)
- [Sizing & Scaling Recommendations, page 2](#)
- [Install and Upgrade Instructions, page 4](#)
- [Open Issues, page 4](#)
- [Related Documentation, page 4](#)
- [Support, page 5](#)

What's New in Release 5.0

Feature	Description
Seamless upgrade from earlier versions	
AMP reports for CWS	
Schedule email delivery for entire report	
Custom dashboard support	Add/delete existing panels Choose graph format Create your own dashboards
Updated interface	Updated “look and feel” for the application.



System Requirements

AsyncOS Version Compatibility

Advanced Web Security Reporting Application	AsyncOS for Web Security
5.0	8.5.3, 8.7.0, 8.8.0, 9.0.0, and 9.1.0

Requirements for Advanced Web Security Reporting

Operating System Requirements

- Red Hat Linux (64-bit)
- Windows (64-bit)

Platform Requirements. Reference hardware can be commodity-grade, and must have the following minimum specifications to be eligible for Cisco support:

- Intel x86 64-bit chip architecture with two CPUs, six cores per CPU, 2.5-3 Ghz per core (minimum)
- 16 GB RAM
- Four 300-GB SAS hard disks at 10,000 rpm each, in RAID1+0 (800 IOPS or better)
- Standard 1-Gb Ethernet NIC, optional second NIC for a management network



Note

Advanced Web Security Reporting is often constrained by disk I/O first, so always consider disk infrastructure first when selecting the storage hardware.

The file system will be assumed to be running on local disk volumes formatted as NTFS or EXT2/3. A separate OS volume should be created per industry best practices. The Enterprise installation should reside on its own logical volume whenever possible.

Sizing & Scaling Recommendations

- The base configuration is a single-tier architecture with one server offering all three parts of the core functionality of a typical Advanced Web Security Reporting deployment:
 - a search instance
 - an indexer
 - a monitor for data sources
- If the estimated requirements for indexed data volume exceed 100 K/Users (estimate: 100 GB/day,) the server infrastructure should be adjusted.
- By adding another Advanced Web Security Reporting instance and adjusting the configuration, the new infrastructure would offer an increase in aggregate indexing and search performance (once the data is load-balanced), and an increase in storage and retention capacity.
- A dedicated forwarder server would also be added to the infrastructure and configured to monitor the WSA log files and forward the log data across multiple indexers using load balancing.
- To facilitate the implementation and configuration of an environment that exceeds 100K users, it is recommended that you engage Professional Services.

Based upon log volume estimates against a Web Security Appliance with 10K users, the amount of data collected is 10 GB/day uncompressed. Once indexed, the data compresses to an estimated 2.5 GB/day indexed storage used. The Advanced Web Security Reporting instance would retain approximately 200 days of indexed data based upon a volume size of 500 GB.

Web Security Appliance Users	Estimated Log Volume (2,500 transactions/user/day)	Estimated Indexed Volume	Estimated retention (500 GB volume)
10 K	10 GB/day	2.5 GB	200 days
50 K	50 GB/day	13 GB	40 days
100 K	100 GB/day	25 GB	20 days

**Note**

Guidelines based upon estimated log volumes and mid-capacity drives in an array.

Daily Volume	77 GB/day	140 GB/day	180 GB/day
Total Transactions	172 Million	325 Million	417 Million
Predefined Report Load time	< 5 seconds	< 10 seconds	< 15 seconds

Total Volume	2.3 TB
Business days retention @70 GB/day	33
Predefined Report Loading time	< 20 seconds

Total Users	Daily Indexing Volume						
	< 2 GB/day	2 to 250 GB/day	250 to 500 GB/day	500 to 750 GB/day	750GB to 1 TB/day	1 to 2 TB/day	2 to 3 TB/Day
< 4	1 combined instance	1 Search instance 1 Indexer	1 Search instance 2 Indexers	1 Search instance 3 Indexers	1 Search instance 4 Indexers	1 Search instance 8 Indexers	1 Search instance 12 Indexers
up to eight	1 combined instance	1 Search instance 1 Indexer	1 Search instance 2 Indexers	1 Search instance 4 Indexers	1 Search instance 5 Indexers	1 Search instance 10 Indexers	1 Search instance 15 Indexers
up to 16	1 Search instance 1 Indexer	1 Search instance 1 Indexer	1 Search instance 3 Indexers	1 Search instance 4 Indexers	2 Search instance 6 Indexers	2 Search instance 12 Indexers	2 Search instance 18 Indexers

Total Users	Daily Indexing Volume						
up to 24	1 Search instance	1 Search instance	1 Search instance	1 Search instance	2 Search instance	2 Search instance	2 Search instance
	1 Indexer	2 Indexers	3 Indexers	4 Indexers	6 Indexers	12 Indexers	18 Indexers
up to 48		1 Search instance	1 Search instance	1 Search instance	3 Search instance	3 Search instance	3 Search instance
		2 Indexers	3 Indexers	4 Indexers	8 Indexers	16 Indexers	24 Indexers

Install and Upgrade Instructions

For essential instructions, including scripts to be run, see the *Advanced Web Security Reporting Installation, Setup, and User Guide*, available from the location shown in [Related Documentation](#), page 4.

Licensing

This release provides “hybrid reporting”; that is, support for both WSA and CWS log reports. To use hybrid reporting, you must upgrade your licenses; however, you can continue to use WSA-only reporting with your existing license. Refer to the “[Licensing and Migration](#)” section of the *Cisco Advanced Web Security Reporting Installation, Setup, and User Guide* for more information.



Note

To migrate from WSA-only to hybrid reporting, you must open a Cisco Technical Assistance Center (TAC) case to remove your existing license and install a new hybrid-reporting license that contains the complete list of reporting source types (that is, the `ciscocws` source type is included). This is not necessary if you are a new user of Advanced Web Security Reporting version 4.0 or later.

Open Issues

- CWS support for Advanced Malware Protection report added, but not for File Analysis report.

Related Documentation

The following documentation is available from <http://www.cisco.com/c/en/us/support/security/web-security-appliance/products-user-guide-list.html>.

- *Advanced Web Security Reporting Installation, Setup, and User Guide*
- User Guide for your supported release of AsyncOS for Web Security Appliances

Support

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 for web security and associated management at the following URL:

<https://supportforums.cisco.com/community/netpro/security/web>

Customer Support

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

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

This document is to be used in conjunction with the documents listed in the “Related Documentation” section.

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