

# Astaro Web Gateway Overview



## Web Security Made Easy

In many companies, Web 2.0 typically means security level 0.2. Employees routinely access their regular web applications from their work stations and exchange data packets over Instant Messaging programs, therefore creating new scenarios of abuse. Popular web applications do not only reduce the productivity of daily work processes, but can also potentially lead to serious legal consequences. Astaro Web Gateway serves to effectively protect from web-based attacks, provides maximum functionality through minimal effort and accommodates a spectacular price-performance ratio. With this "All-in-One" appliance, IT administrators are easily able to:

- ▶ **Filter web access:** Grant web access based on 96 easy-to-navigate categories with user- and time-based policies.
- ▶ **Detect malicious code:** Perform fast, accurate scanning for viruses, spyware and active content, providing unmatched detection rates via two scan engines.
- ▶ **Control IM/P2P applications:** Steer and manage access and use of all IM and P2P applications including Skype.
- ▶ **Manage bandwidth:** Orchestrate and prioritize bandwidth for important business applications.

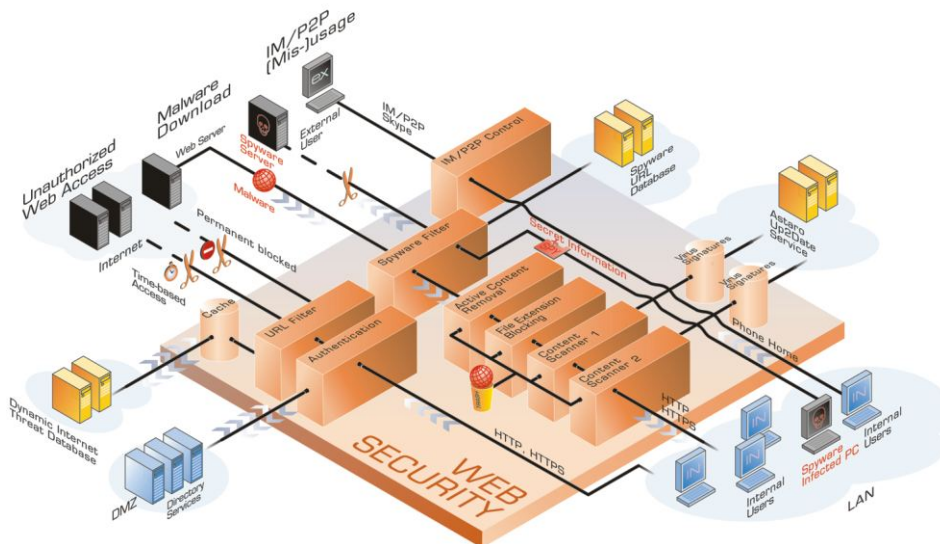
## Benefits

### Comprehensive Security

- ▶ Reliably blocks malicious content within HTTP, HTTPS and FTP traffic
- ▶ Dual Antivirus protection prevents infection from web surfing, downloads and web-based emails
- ▶ Extensive virus signature database with over 800,000 patterns
- ▶ Granular IM/P2P control per application
- ▶ Spyware communication is blocked from already-infected PCs

### Easy to Manage

- ▶ Browser-based graphical user interface
- ▶ Real-time automatic update of firmware and attack patterns
- ▶ Extensive web security reports with PDF & CSV support
- ▶ Single Sign-On support of eDirectory and Active Directory for transparent authentication
- ▶ Deploys anywhere in the network

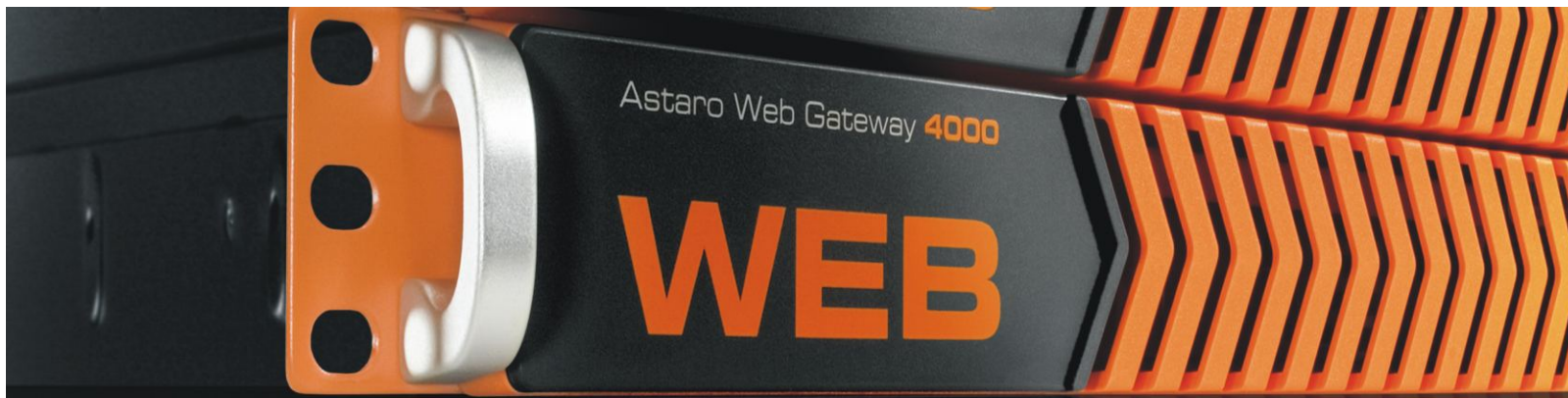


A powerful suite of integrated tools

## The Astaro Difference

- ▶ Only Astaro appliances are available in three different types: as hardware, software, and virtual appliances. Integration into existing infrastructures has never been easier.
- ▶ Nobody's faster: With Astaro's "10-Minute Setup" every installation is completed rapidly.
- ▶ Nobody's more flexible: Astaro's "One-Click Clustering" technology enables scalable performance and system stability with up to ten cluster nodes.
- ▶ Over 47,000 customers are already protecting their networks with an Astaro appliance.





Astaro Web Gateway **1000**



Small networks

Astaro Web Gateway **2000**



Medium networks

Astaro Web Gateway **3000**





Medium networks

<b>Recommended Users</b>	100	250	750
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<b>Functionality</b>			
URL Filtering	yes	yes	yes
Malicious Code Detection	yes	yes	yes
Application Control	yes	yes	yes
Bandwidth Management	yes	yes	yes

<b>System</b>			
Log/Reporting Storage	70 GB	70 GB	70 GB
10/100/1000 Mbps Ethernet Ports	2	2	4
Form Factor	1U rack mountable	1U rack mountable	1U rack mountable
Active/Passive HA (Hot Standby)	yes	yes	yes
Active/Active HA (Clustering)	no	no	yes

<b>Performance</b>			
In-line Throughput	50 Mbit/s	80 Mbit/s	150 Mbit/s
Antivirus/Web Filter Throughput	20 Mbit/s	40 Mbit/s	80 Mbit/s
User Requests	100 req./s	375 req./s	1,200 req./s


**Finally, a unified approach brought successfully to Web Security!**


Stuart Reay, Managing Director  
Arc Technology Distribution Ltd.



# Astaro Web Gateway Overview

## Astaro Web Gateway 4000

## AWG Software & Virtual Appliance



Large networks

Small to large networks

2,000 \*\*

yes yes

yes yes

yes yes

yes yes

140 GB\* \*\*

4 \*\*

1U rack mountable \*\*

yes \*\*

yes \*\*

250 Mbit/s \*\*

130 Mbit/s \*\*

3,000 req./s \*\*

\*RAID hard disk system \*\*Depending on hardware platform used

## Web Security Reporting

Astaro Web Gateways are equipped with one of the most extensive logging and reporting systems available on any security product today. Every website visit, download and IM/P2P usage is fully stored in a self-archiving system, allowing Astaro to then extrapolate data into useful reports directly on the gateway:

- **In-line reports** offer up-to-date statistical information through more than thirty detailed reports, updated every fifteen minutes. These help identify top web, application and bandwidth usages per user or domain. These reports offer fully detailed breakdown of surfing activities by IP address or user name as well as complete listings of blocked domains, URL categories, viruses and file extensions.

Top	Category	Users	%	Domains	%	Requests	%
1	Newsgroups / Bulletin Boards / General Discussion Sites	2 8.00		817 19.64		3 304 29.07	
2	IT Security / IT Information	2 8.00		1 209 29.07		2 643 23.25	
3	Communication Services	2 8.00		493 11.85		1 423 12.52	
4	Search Engines / Web Catalogs / Portals	2 8.00		627 15.08		1 338 11.77	
5	Software / Hardware / Distributors	2 8.00		374 8.99		1 069 9.40	
6	General News / Newspapers / Magazines	2 8.00		381 9.16		997 8.77	
7	Chat	2 8.00		161 3.87		347 3.05	
8	Web Mail	1 4.00		34 0.82		72 0.63	
9	Anonymous Proxies	1 4.00		38 0.91		61 0.54	
10	Job Search	1 4.00		2 0.05		47 0.41	
11	Uncategorized	1 4.00		3 0.07		22 0.19	
12	Spyware	1 4.00		8 0.19		17 0.15	
13	Non-Governmental Organizations	1 4.00		6 0.14		16 0.14	
14	Education	1 4.00		2 0.05		7 0.06	
15	Governmental Organizations	1 4.00		1 0.02		1 0.01	
16	Political Extreme / Hate / Discrimination	1 4.00		1 0.02		1 0.01	
17	Online Shopping	1 4.00		1 0.02		1 0.01	
18	Auctions / Classified Ads	1 4.00		1 0.02		1 0.01	
<b>Totals</b>						<b>11 367</b>	

**In-Line reports offer a detailed breakdown of surfing activities**

- **Reporting graphs** provide daily, weekly, monthly and yearly overview statistics about the utilization of hardware components such as CPU, RAM, hard disk, and network interface usage.

- **Executive report** includes summary information taken from both the In-line reports and the reporting graphs. They can be generated on demand and also emailed out to a list of users on a daily, weekly or monthly basis.

## Security Features - Details

- ▶ Dual antivirus engines operate with two independent databases with over 800,000 patterns
- ▶ Blocks incoming and outgoing spyware traffic, preventing infection and hidden communication
- ▶ Blocks file formats defined within blacklists
- ▶ Blocks the hidden installation of active content like Java, Active X, Flash, Cookies, VBScript, JavaScript within the user's desktop
- ▶ Content scanning capability for files over 40 MB
- ▶ Automatic real-time update of firmware and virus patterns and signatures, through real-time check with Astaro's Up2Date server
- ▶ Time-, user- and user-group-based access policies
- ▶ HTTP, HTTPS and FTP proxy with full transparent mode support
- ▶ Transparent web proxy cache enables faster response times, even with low speed Internet uplinks
- ▶ URL filtering technology controls employee web access, with over 35 million websites across 96 categories
- ▶ Uses comprehensive URL database with international content in more than 65 languages
- ▶ Daily update of newly-discovered websites maximise coverage
- ▶ Integrated user database, Active Directory, eDirectoryRadius, Tacacs+ and LDAP authentication
- ▶ Windows Server 2008 Native Mode support
- ▶ Active Directory and eDirectory integrated with single sign-on
- ▶ Instant Messaging and Peer-to-Peer control: AOL IM, ICQ, MSN Messenger, Yahoo! Messenger, IRC, Google Talk/Jabber, Skype, Bittorrent, Edonkey, Gnutella, WinMX, Winny, Manolito, Ares and Direct Connect
- ▶ Granular IM/P2P Control with exceptions-based on User/IP addresses, QoS for IM/P2P protocols
- ▶ Skype blocking, alerting and bandwidth shaping
- ▶ Support for UTF-8
- ▶ Server load balancing
- ▶ Customizable end-user messages
- ▶ Active/Passive (Hot Standby) and Active/Active (Clustering) HA, without the need of load balancers
- ▶ Integrated graphical reports offering comprehensive information about web-usage by user and domain, blocked web categories, detected/ blocked viruses
- ▶ Reporting with built-in PDF & CSV Export options
- ▶ Daily executive reports (HTML or PDF) delivered by email
- ▶ Archiving of executive reports
- ▶ Anonymization of reporting data to enforce privacy policy
- ▶ Simple management in web browser
- ▶ Setup wizard and online help

## 24x7 Service Offerings

### Support

Award-winning customer support offerings include 24x7 technical assistance and expedited appliance replacement.

### Security Response

Subscription to Astaro's 24x7 Up2Date Security Response Service keeps networks protected and secure at all times.

### Training

To maximize administrator productivity, free, self-paced training is available on the web along with regularly-scheduled live seminars.

### Online Resources

Access a wealth of information about Astaro products, offerings, research and support tools through our collection of online resources.

## Contact Astaro

Download an evaluation copy of the Astaro Web Gateway virtual appliance at <http://www.astaro.com/download/awg> or contact Astaro at:

### The Americas

Astaro Corporation  
260 Fordham Road  
Wilmington, MA 01887  
USA  
T: +1 978 974 2600  
F: +1 978 974 2626  
[americas@astaro.com](mailto:americas@astaro.com)

### Europe, Middle East, Africa

Astaro AG  
Amalienbadstrasse 36  
76227 Karlsruhe  
Germany  
T: +49 721 255 16 0  
F: +49 721 255 16 200  
[emea@astaro.com](mailto:emea@astaro.com)

### Asia Pacific Region

Astaro K.K.  
12/F Ark Mori Building  
1-12-32 Akasaka Minato-ku  
Tokyo 107-6012, Japan  
T: +81 3 4360 8350  
[apac@astaro.com](mailto:apac@astaro.com)



[www.astaro.com](http://www.astaro.com)

### Your Astaro Solutions Partner