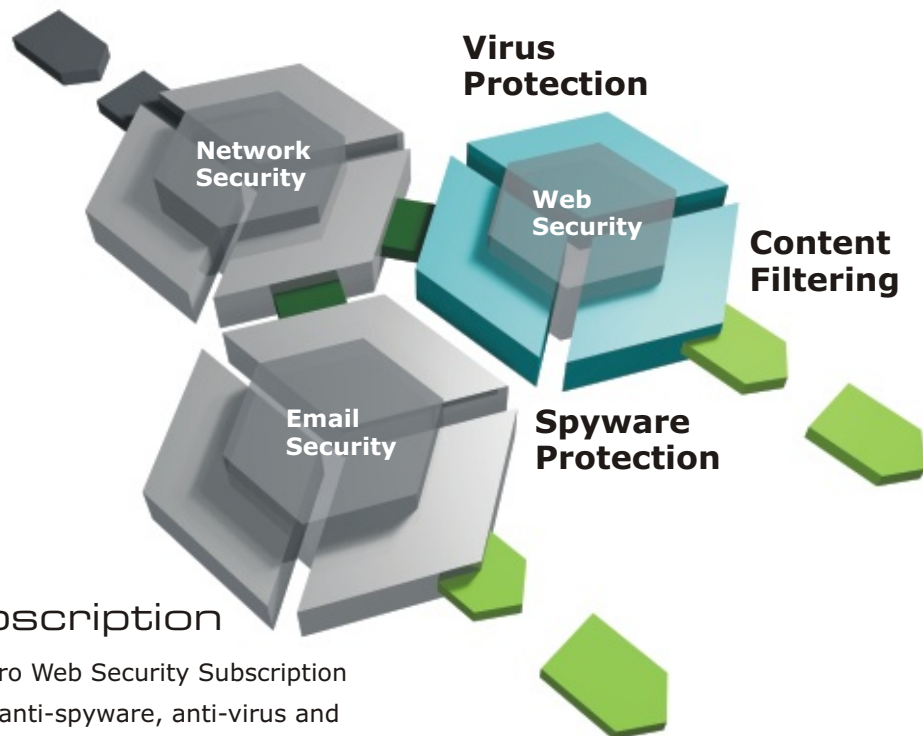


Web Security Subscription



Web Security

The web is a dangerous place. As computer users surf the web and download files, they can infect their computers and the network with spyware and viruses. And organizations need to know if computer users are creating legal liabilities by accessing inappropriate web sites and downloading copyrighted materials. Web-based threats can steal confidential information, disable computers, eat up network capacity, and drive up computer support costs.



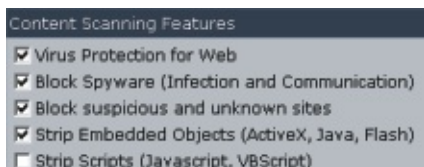
Astaro Web Security Subscription

- › **Spyware Protection** blocks incoming spyware, adware and other malicious applications, and prevents them from sending out confidential information.
- › **Virus Protection for the Web** defends computers against virus infections from web downloads and web-based email.
- › **Content Filtering** can block Internet access to 60 categories of web sites during working hours.

The Astaro Web Security Subscription includes anti-spyware, anti-virus and content filtering software. It provides continuous updates to the virus database with over 100,000 signatures and to a database of over 60 million web sites.

These applications are fully integrated with the other parts of Astaro Security Gateway appliances and software, so they are easy to deploy, configure and manage as part of a complete network security infrastructure.

Spyware Protection



Spyware and Content Filtering

	Today
HTTP pages requested (total)	41 597
HTTP pages blocked by SP (total)	153
- Top 1: Gambles	41
- Top 2: Computer Games	12
- Top 3: Porn	91
- Top 4: Weapons	3
- URL Blacklist	6
HTTP pages blocked by VP (total)	95
Blocked Spyware (total)	483

Detailed Reporting

Spyware is software that installs itself on a computer without the user's consent or knowledge and gathers information about the computer user's activities. The effects range from slowing computer performance, to increasing help desk costs, to stealing passwords and confidential customer and employee information.

Astaro's Spyware Protection application blocks spyware, adware and other malicious applications from entering an organization. It also prevents spyware from sending confidential information outside the enterprise from infected PCs.

Blocking Files from Spyware Web Sites

Astaro's Spyware Protection prevents users from downloading files from spyware web sites. It checks a database of 60 million classified web sites to identify those that have been identified with spyware. As an option, downloads from unknown and uncategorized

web sites can also be blocked. Once an Astaro customer requests an uncategorized web page, the web site is classified within 24 hours, so other customers are quickly protected from new spyware threats.

Filtering Embedded Objects and Scripts

Customers can prevent "drive-by downloads" by filtering embedded objects, such as ActiveX Controls, Java and Flash downloads, out of HTTP traffic. Scripts written in VBScript and Javascript can also be stripped from downloads. This blocks the installation of active components on computer users' desktops.

Blocking Spyware Communication

Astaro's Spyware Protection blocks communication between PCs that have been infected with spyware and spyware web sites. This prevents spyware from sending passwords, customer information and other confidential data outside of the organization.

A Complement to Desktop Spyware Packages

Desktop spyware packages can remove spyware from infected PCs. However, installing and updating desktop anti-spyware software on every system in the organization is extremely difficult. Astaro's Spyware Protection provides a fast, reliable way to block spyware at the gateway to the Internet, before it infects individual computers.

About Astaro

Astaro was founded in 2000, with the goal of creating integrated, easy-to-use network security products. The company's leading Unified Threat Management product, Astaro Security Gateway, protects more than 25,000 customers, ranging from small businesses, to government and non-profit agencies, to global enterprises. Astaro's firewall is **ICSA Labs certified**. The company's technology has received recognition and awards such as **Editors' Choice** and **Best Business Security Solution of the Year** from PC Magazine, **Best Security Solution** from LinuxWorld Expo, **10 Stars** and **Test Center Recommended** from CRN Magazine, **Five Stars** from SC Magazine, "**Extremely Cost-Effective**" from The Tolly Group, and "**Excellent**" from InfoWorld Magazine. Astaro is co-headquartered in Karlsruhe, Germany and Boston, United States, with offices and solutions partners in over 40 countries.

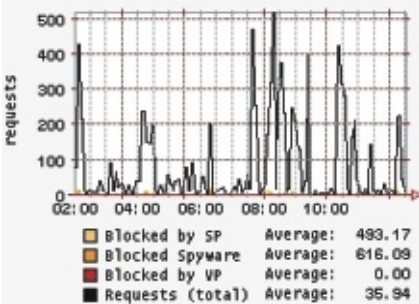


Virus Protection for the Web

Web downloads and web email

Astaro's Virus Protection for the Web detects and blocks viruses in files downloaded from the web. It scans all HTTP traffic and FTP downloads initiated from a browser.

Astaro's Virus Protection for the Web also scans email messages and attachments from web-based email services such as MSN Hotmail, Yahoo! Mail, and Google Gmail. Because these emails don't go through the corporate email server, they are never scanned by conventional anti-virus packages. As more computer users utilize web-based email services in addition to or instead of corporate email accounts, scanning web traffic becomes critical to keeping viruses from infecting corporate networks.



Detailed Reporting

Dual Virus Scanning Engines

Astaro provides an extra margin of safety by including two virus scanning engines in sequence. Virus detection technology and signature databases from the ClamAV Open Source project and from anti-virus industry leader Kaspersky Lab provide a double layer

of protection. Signature updates from ClamAV's extensive user community, and from Kaspersky Lab's renowned international antivirus research team, ensure that new malware threats are identified and blocked as soon as they appear.

High Accuracy

Astaro's Virus Protection for the Web utilizes three independent detection methods to catch the widest possible range of viruses:

- ▶ Virus signatures: Email messages and attachments are compared with known patterns contained in an extensive virus database.
 - ▶ Heuristics: Sophisticated rules detect patterns and behavior that resemble known classes of viruses.
 - ▶ Emulation: Suspicious code is executed in a protected environment, for example by unpacking archived files and by running scripts and macros.
- There are no limits on the size of files scanned, the number of files scanned in parallel, or the amount of memory utilized for virus scanning.

Flexible Management

With Astaro's Virus Protection for the Web, virus signatures can be updated automatically as often as hourly.

Administrators can:

- ▶ Select which file formats to block in email attachments.
- ▶ Select text strings to use to identify unwanted messages.
- ▶ Specify that messages with viruses should be quarantined for later

evaluation or dropped.

Reports and detailed logs help administrators troubleshoot and identify patterns of activity.

Astaro's Virus Protection for the Web complements desktop anti-virus packages by providing a single point of control where newly-discovered viruses can be blocked quickly, before they infect the internal network.

Complete Coverage

Astaro's Virus Protection for the Web can open and scan more than 700 formats of archived and compressed files. Hackers and virus writers can not use obscure formats or complex archiving programs to sneak viruses into internal networks.

Embedded Mail Formats Supported:

Mime, MS Internet Mail, MS Mail, MS Outlook 5, Mail TNEF, and others.

Media Formats Supported: SYS, EXE, ELF, Java, HLP, OLE2, Access, Shell, Perl, XML, CHM, REG, WSF, LNK, VBA, WordBasic, PIF, VBS, BAT, HTML (including JavaScript, VBScript), MIRC.

Archive and Executable Formats

Supported: Astaro Virus Protection for the Web can open and scan attachments in over 50 archive formats, including ARJ, GZIP, RAR, Tar, ZIP and CAB, and hundreds of packed executable formats.

Character Support: All ANSI and Unicode based character sets.

Content Filtering

Astaro's Content Filtering application can measure or block access to 60 categories of web sites. Sophisticated URL classification methods ensure accuracy and completeness in identifying questionable web sites. Comprehensive reporting gives administrators the data to analyze web behavior in their organization.

Flexible Policy Creation

Astaro's Content Filtering lets administrators define web access policies quickly and precisely. A point-and-click web interface makes it easy to specify the types of web sites that are inappropriate for groups of users in their organizations. Administrators can tailor profiles for their organization by aggregating the 60 categories into 18

customizable groups and by creating whitelists and blacklists of web sites that should be accessible or blocked.

Comprehensive Coverage

A database of categorized web sites currently includes more than 60 million entries. This is the largest database available for any commercial URL filtering system. To assign web pages to categories they are analyzed using sophisticated classification techniques such as:

- ▶ Text Classification: Web pages are rated using factors such as the frequency of word occurrences and word combinations.
- ▶ Optical Character Recognition: Text on images is captured and analyzed.
- ▶ Visual Object Recognition: Symbols,

logos, and trademarks are used to categorize web sites.

- ▶ Porn Detection: Flesh tone images and face recognition are used to identify pictures with high concentrations of non-facial flesh.

The database classifies web pages in 13 languages.

If a user requests a web page that is not included in the database, the URL is sent to the web crawlers and classified within 24 hours.

Detailed Reporting

Astaro's Content Filtering provides detailed reporting of web traffic and denial incidents. Administrators can use these capabilities to understand user behavior, prioritize problems, and determine appropriate web use policies.

URL Database Categories

Pornography/Nudity

- ▶ Pornography
- ▶ Erotic/Sex
- ▶ Swimwear/Lingerie

Ordering

- ▶ Online Shopping
- ▶ Auctions/Classified Ads

Society/Education/Religion

- ▶ Governmental Organizations
- ▶ Non-Governmental Organizations
- ▶ Cities/Regions/Countries
- ▶ Education
- ▶ Political Parties
- ▶ Religion
- ▶ Sects

Criminal Activities

- ▶ Illegal Activities
- ▶ Computer Crime
- ▶ Hate/Discrimination
- ▶ Warez/Hacking/Illegal Software

Entertainment/Culture

- ▶ Cinema/Television
- ▶ Recreational Facilities/Amusement/Theme Parks
- ▶ Art/Museums
- ▶ Music
- ▶ Literature/Books
- ▶ Humor/Comics

Information/Communication

- ▶ General News/Newspapers/Magazines

- ▶ Web Mail
- ▶ Chat
- ▶ Newsgroups/Bulletin Boards
- ▶ General Discussion Sites
- ▶ SMS/Mobile Phones/Fun/Accessories
- ▶ Digital Postcards
- ▶ Search Engines/Web Catalogs/Portals

IT

- ▶ Soft- and Hardware Vendors/Distributors
- ▶ Web Hosting/Broadband
- ▶ IT-Security
- ▶ Translation
- ▶ Anonymous Proxies

Drugs

- ▶ Illegal Drugs

- ▶ Alcohol
- ▶ Tobacco
- ▶ Self Help/Addiction

Lifestyle

- ▶ Dating/Relationship
- ▶ Restaurants/Bars
- ▶ Travel
- ▶ Fashion/Cosmetics/Jewelry
- ▶ Sports
- ▶ Building/Residence/Architecture/Furniture
- ▶ Nature/Environment

Private Homepages

Job Search

- ▶ Finance/Investment
- ▶ Investment Brokers/Stocks
- ▶ Financial Services/Investment

- ▶ Banking/Home Banking

Vehicles/Transportation

Weapons

Medicine

- ▶ Health/Recreation/Nutrition
- ▶ Abortion

Extremist

Games/Gambling

- ▶ Gambling
- ▶ Computer Games
- ▶ Toys

Suspicious

- ▶ Suspicious
- ▶ Uncategorized

User definable

Learn More

Download the free trial software at www.astaro.com or request a free trial appliance today! Contact Astaro at:

The Americas

Astaro Corporation
3 New England Executive Park
Burlington, MA 01803
USA

T: +1 781 345 5000
F: +1 781 345 5100
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

Asia Pacific Region

Astaro Corporation
30th Floor Bank of China Tower
1 Garden Road, Central
Hong Kong, China

T: +852 2251 8514
F: +852 2251 8515
apac@astaro.com

Your Astaro Solutions Partner

