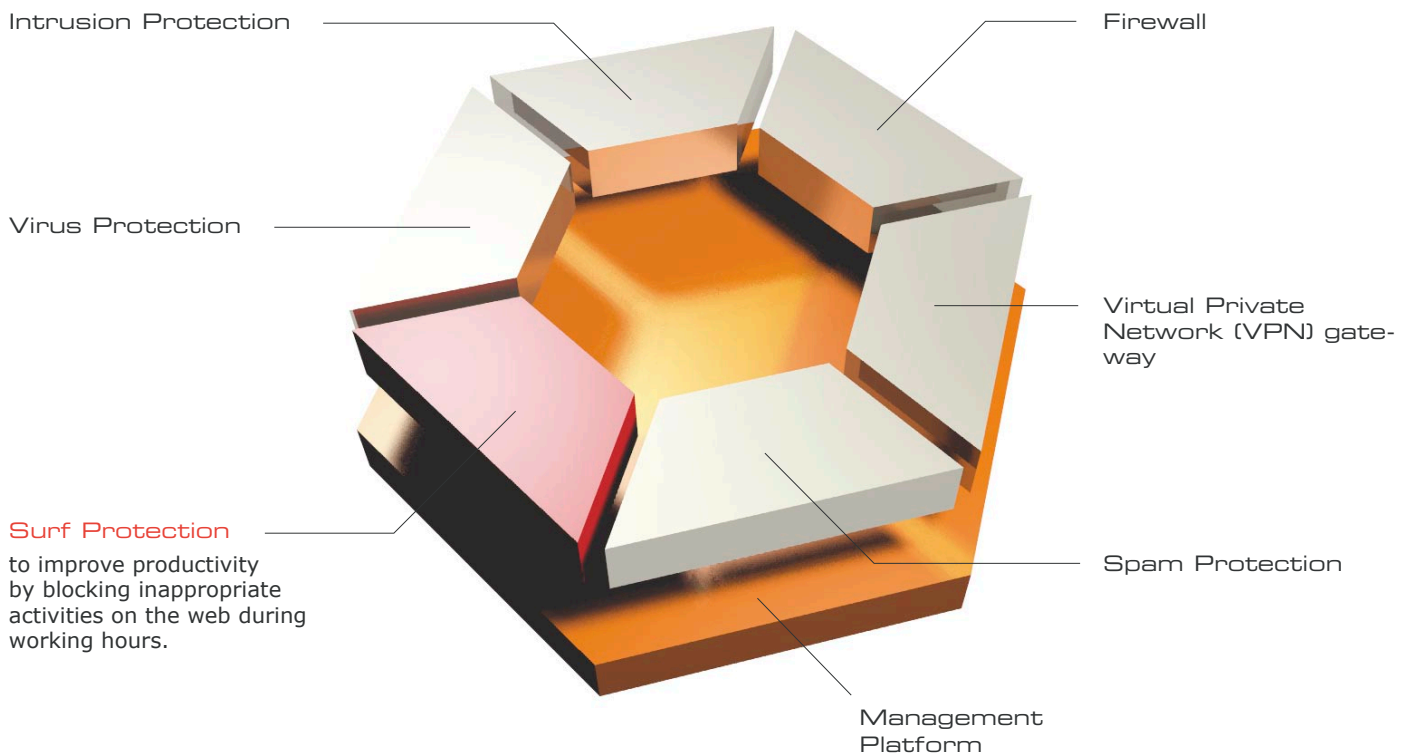


## Astaro Security Linux V5 Surf Protection (URL Filtering)

A recent survey found 60% of the employees in the surveyed companies were using the Internet for personal activities. Inappropriate use of the web can cost organizations thousands of dollars in lost productivity, tie up computer networks, and introduce viruses and spyware. Organizations can be legally liable for employee activities that create a hostile work environment or violate copyright laws.

Astaro Security Linux Surf Protection can measure or block access to 58 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.



### Description

Administrators use Astaro Security Linux Surf Protection to specify the types of web sites that are inappropriate for groups of users in their organizations. As users request web pages, the software checks a database of over 20 million web addresses and either records or blocks access to inappropriate sites.

### Flexible Policy Creation

Astaro Security Linux lets administrators define web access policies quickly and precisely. A point-and-click web interface makes it easy to define profiles of inappropriate web sites from among 58 categories. Administrators can tailor profiles for their organization by aggregating the categories into 18 customizable groups and by creating whitelists and blacklists of web sites that should be accessible or blocked.

### Comprehensive Coverage

Astaro Security Linux utilizes a database of 20 million categorized web sites maintained by Cobion. This is the largest database available for any commercial URL filtering system.

Web pages 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.

- ▶ Similarity Comparison. Images are compared with similar images from already classified web sites.

The database classifies web pages in 15 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 Security Linux 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.

## Surf Protection

### Excellent Performance

To ensure excellent performance:

- ▶ Astaro Security Linux caches URLs that have previously been requested in a local database, so the master database is referenced only for URLs never before accessed from that site.
- ▶ Web page classifications can be quickly retrieved from seven servers around the globe, the most locations of any commercial URL filtering system.

### Astaro Surf Protection Subscription

Surf Protection is an optional subscription that is installed as part of Astaro Security Linux and activated by a license key.

## 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

### Extreme Games/Gambling

- ▶ Gambling
- ▶ Computer Games
- ▶ Toys

### User definable

## About Astaro

Astaro provides a network security solution that is complete, simple to manage, affordable, and effective. Astaro selects and integrates the best of open source security software to provide the widest range of innovative security technology available in a single package. Astaro's software has won numerous awards, and is in use on over 20,000 networks in more than 60 countries. Astaro Security Linux is distributed by a worldwide network of solutions partners who offer local support and services.

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