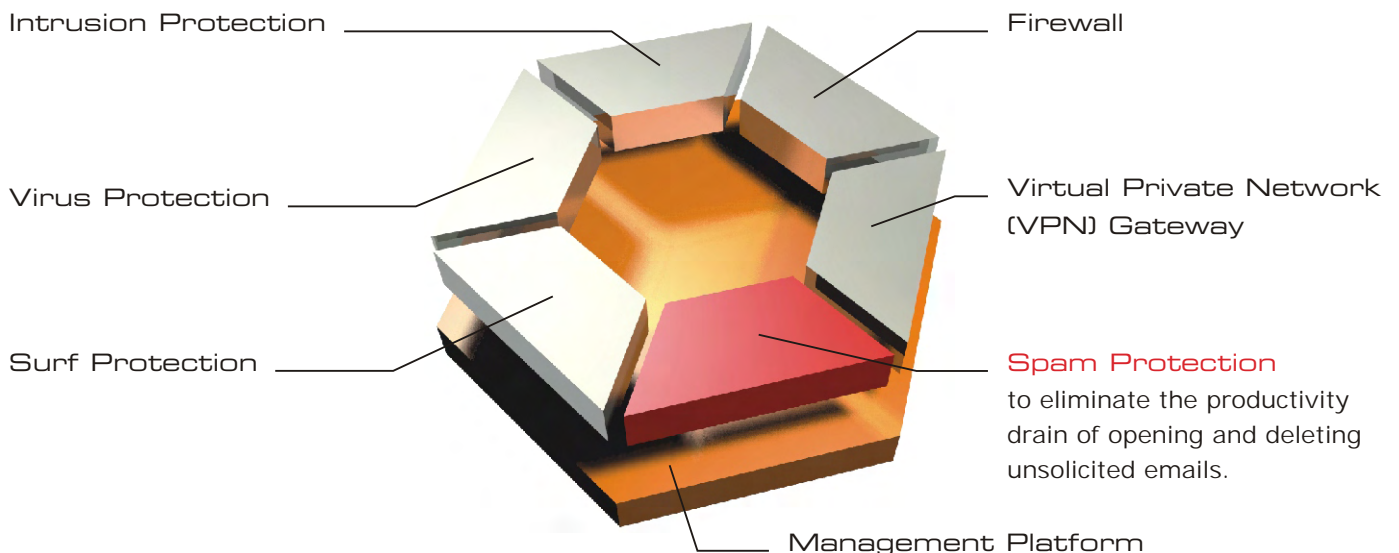


## Astaro Security Linux V5 Spam Protection

The cost of deleting unsolicited emails can total hundreds of dollars annually for every employee. "Spam" also ties up networks and mail servers, and provides an entry into internal networks for viruses, zombie code, and hybrid attacks.

Astaro Security Linux Spam Protection detects and blocks unsolicited emails. It uses multiple detection methods to pinpoint spam types while minimizing "false positives". Administrators can adjust the strictness of controls and select what actions to take with suspicious email messages.



### Description

Astaro Security Linux Spam Protection scans inbound email messages (SMTP and POP3 protocols). It performs a series of tests and assigns a "spam score" to each message indicating the probability that the message is unsolicited. Messages whose score exceeds thresholds set by the administrator are dropped, rejected and error notification returned to the sender, passed to the recipient with a warning, or quarantined.

#### Accurate Identification of Spam

Astaro Security Linux utilizes multiple methods to pierce the disguises used by professional spammers:

- ▶ Sender Address Verification, Grey-listing, BATV reverse path signing, and SPF record checking. Messages are tested to determine

if they come from legitimate email servers.

- ▶ Realtime Blackhole Lists (RBLs). Email addresses are checked against databases of known spammers.
- ▶ Header Analysis. The header section of emails are checked for false or altered information and addresses with invalid characters (such as !, %, /, |)
- ▶ Body Analysis (Heuristics). Words and word patterns typical of spam are identified.
- ▶ Whitelist and Blacklist. The administrator can list email sources known to be legitimate and illegitimate.

The results of all tests are incorporated in a "spam score" that indicates the probability that the message is unsolicited.

#### Management Control

Administrators can tune spam protection to balance stringent blocking against the risk of missing legitimate messages. Options include:

- ▶ Enabling or disabling tests.
- ▶ Creating local whitelists and blacklists.
- ▶ Taking actions based on "spam score" thresholds.
- ▶ Specifying that suspect messages should be:
  - Dropped
  - Rejected and error notification returned to the sender
  - Passed through to the recipient with a warning message
  - Quarantined for later evaluation and disposition

## Spam Protection

### Performance and Simplicity

Astaro Security Linux integrates spam protection with the firewall and virus scanning. This improves performance and simplifies ongoing management:

- ▶ Performing spam testing, virus scanning and packet filtering on the same system eliminates delays vectoring files to separate systems.
- ▶ Local whitelists, blacklists and network configurations can be entered just once and shared by all of Astaro's security applications.
- ▶ Reports track statistics on email messages processed, their size and spam score, and the number of viruses found.

### Working with the Email Server

Astaro Security Linux can add headers to email messages so that a recipient email application can take specific actions, such as sending suspicious email messages to a "spam" folder on an email user's desktop. Information added to email headers can include:

- ▶ A spam flag
- ▶ The "spam score"
- ▶ Expression match (flag that the message contains suspicious text)
- ▶ RBL warning (flag that the message comes from a domain identified in a Realtime Blackhole List)

Users can be sent a summary of email messages addressed to them that were placed into quarantine, giving them a chance to retrieve any legitimate messages that might have been blocked.

### Astaro Spam Protection Subscription

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

## Part of a Complete Network Security Solution

Spam Protection is one of six security applications included in Astaro Security Linux. Administration is simple and management costs are low because all six applications share:

- ▶ One installation process
- ▶ One management interface
- ▶ One update mechanism
- ▶ One set of logs and reports

## 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 technology has won numerous awards, and is in use on over 20,000 networks in more than 60 countries. Astaro's products are distributed by a worldwide network of solutions partners who offer local support and services.



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

### Europe, Middle East, Africa (EMEA)

Astaro AG  
Amalienbadstrasse 36/Bau 33a  
76227 Karlsruhe  
Germany  
T: +49 721 25 516 0  
F: +49 721 25 516 200  
emea@astaro.com  
Offices in Hamburg/Germany,  
Paris/France and Reading/UK

### Americas

Astaro Corporation  
3 New England Executive Park  
Burlington, MA 01803  
USA  
T: +1 781 272 8787  
F: +1 781 272 8989  
americas@astaro.com  
Offices in Los Angeles/California,  
Chicago/Illinois and Kelowna/  
Canada

### Asia Pacific (APAC)

T: +49 721 25 516 0  
F: +49 721 25 516 200  
apac@astaro.com

### Your Astaro Partner