



Astaro Security Gateway **V7.2**

Release Notes

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What's new in Astaro Security Gateway V7.2

ASG V7.2 provides granular IM and P2P detection and blocking capabilities based on a new layer 7 application classification engine, the Astaro Flow Classifier (AFC). The new engine offers better detection accuracy making it possible to even detect and block skype as well as a performance improvement.

The following new features are included:

Granular IM/P2P Control

Exceptions based on User/IP addresses

Administrators can now define exceptions from the global IM/P2P usage policy for individual IP addresses. This allows granting usage of specific IM or P2P applications to specific users/IP addresses only.

Improved IM/P2P protocol detection

The new Astaro Flow Classifier allows detection and classification of more sophisticated protocols, which are typically hard to identify. The classification engine is now able to detect AOL Instant Messenger, ICQ (OSCAR), MSN Messenger, Yahoo! Messenger, IRC, Google Talk/Jabber, Tencent QQ, Skype, Applejuice, Ares, Bittorrent, Direct Connect, Edonkey, Gnutella, IMesh, MUTE, Manolito, Pando, Winny.

Quality of Service for IM/P2P protocols

In order to reserve sufficient bandwidth for business critical applications you can now define bandwidth limitations even for certain IM/P2P protocols, e.g. BitTorrent. For this purpose the new release includes pre-defined traffic-selectors for all IM and P2P protocols.

Skype blocking, logging and bandwidth shaping

By use of the new flow classifier, Astaro Security Gateway can now also detect Skype communication, and block it, or limit its bandwidth consumption, or just log its usage for the administrator.

The granular IM/P2P control capabilities replace the existing functionality available within earlier ASG V7 versions and will now be part of the optional ASG Web Filtering Subscription.

Note: All existing ASG V7 installations, with a base license start date before April, 1st 2008 will remain unaffected by this licensing change, i.e. the complete IM/P2P functionality will remain included within the base license. All installations after that date require the purchase of a Web Filtering Subscription in order to benefit from the new IM/P2P functionality.

Other new features

Besides IM/P2P enhancements the new release also includes bugfixes as well as the following new features:

HTTP MIME type filter

With the new MIME type filter you can restrict access to HTTP objects that match a given MIME/content type.

HTTP MIME type magic lookup

Optionally you can also turn on a “magic lookup” forcing the MIME type filter to inspect the complete HTTP body in order to verify if the specified MIME type is correct and not faked. Please note that enabling this feature may have a negative impact on performance.

Updated IPS engine

The snort engine has been updated to a newer version, which has been required to include changes in the pattern update mechanism.

Updated linux kernel

The new linux kernel version 2.6.16.60 has been included in order to provide support for newer device drivers.

Changes

Feature and behavior changes

WebAdmin menu changes

The Quality of Service (QoS) menu item has been moved from the “Network Security” into the “Network” section.

Dropped features

Support for acceleration cards

In order to increase stability and time to market for new security applications, acceleration cards used within Astaro Security Gateway Hardware model series ASG425 and ASG525 will no longer be supported.

System Requirements

HW requirements

Astaro minimum recommendation for V7.2 installations:

Intel Pentium III 667 MHz, 512MB RAM, 10 GB hard disk drive and above.

Best performance results running on:

Intel™ Multi-Core CPUs, 2GB RAM, 74 GB SATA/SAS 15krpm hard disk drive and above.

For proved hardware components please check our Hardware Compatibility List (HCL) at:

<http://www.astaro.com/lists/HCL-ASG-V7.txt>

ASG V7.2 might also be installed within VMWare virtual environments, such as VMWare Server, VMWare ESX Server, VMWare Workstation or VMWare Player, by using a pre-configured/pre-installed ASG ISO called VMWare Virtual Appliance. This ISO provides the same functionality as the standard ASG.

Supported web browser

Astaro Security Gateway V7 WebAdmin will support the following browser/platform combinations:

MS Windows 2000/XP/Vista

- IE6 or higher (including IE7)
note: parallel installations of IE6 and IE7 are not supported!
- Mozilla Firefox 1.5 or higher
- Safari 3.0 or higher

Linux:

- Mozilla Firefox 1.5 or higher

Mac OSX:

- Safari 2.0.3 or higher
- Mozilla Firefox 1.5 or higher

Note: the iPhone Safari browser has certain limitations – hence it is not supported

Other browsers could also work, but might be subject to rendering or JavaScript issues. They are unsupported. Java or Flash support is not needed.

As with the new GUI technology much of the GUI processing has been moved from the appliance to the management workstation we recommend using [Firefox](#) on a system with at least 512 MB RAM and a CPU with 1,5 GHz. More system performance will increase GUI processing speed significantly.

Installation and Upgrade Information

Upgrading ASG V6 hardware appliances to V7.2

ASG V7.2 runs on all currently sold Astaro Security Gateway (ASG) appliance models.

For upgrading ASG V6 appliances to ASG V7.2 Astaro offers the following three alternatives:

1. Install with new configuration

- Ask your certified Astaro partner to install ASG V7.2 firmware on your appliance
- Use the Setup Wizard (recommended) to create your configuration for ASG V7.2
- import your existing V6 license

2. Install with import of V6 configuration

- Ask your certified Astaro partner to install ASG V7.2 software on your appliance and convert existing V6 configuration into new release.

3. Automatic V6 to V7.2 upgrade

- Beginning with ASG V6.310 you are able to automatically upgrade V6 firmware and configuration files to V7.0 (suggested for remote installations)
- You can then upgrade 7.0 to 7.2 in a second step

Upgrading ASG V6 software installations to V7.2

For upgrading existing ASG V6 software installations to ASG V7.2 Astaro offers the following two alternatives:

1. Install with new configuration

- Download and install new ASG V7.2 ISO image on gateway
- Use the Setup Wizard (recommended) to create your configuration for ASG V7.2
- import your existing V6 license

2. Install with import of V6 configuration

- Store the V6 system configuration into a backup file
- Download and install new ASG V7.2 ISO image on gateway
- Click on "Restore existing backup File" on the Setup Wizard screen

Note:

- All log files and reports of your V6 installation will be deleted during migration (make a backup first)
- V6 license files can also be used within V7.2

Backup Converter Limitations

Due to the different system architectures an exhaustive conversion of V6 into V7.2 configuration files is not possible.

Thus the conversion covers all settings, aside from the following:

- HA configuration
- Remote syslog
- IPS
- Site to site/remote access IPSec VPN (conversion for PPTP only)
- Certificates (will not be carried over)
- QoS rules
- dynamic (DHCP) IP-Addresses on Eth-VLAN Interfaces (will not be supported in V7.2)
- DHCP Relay
- Eth-alias instances with status=0 (status fields will not be supported in V7.2)
- Email address fields (e.g. settings -> adminmail)
- eDirectory user authentication (conversion for SSO mode only)
- Active Directory/NTLM
- WebAdmin authentication via external sources
- HTTP proxy
- SMTP proxy
- Group definitions (network and service groups), which contain further groups will be expanded.

It should be noted however, that with the simplification of the administration interface, as well as new self configuring features (such as HA), all of the settings listed above can be adjusted with minimal effort.

Software Download

The new version is available at Astaro's official download servers:

ftp://ftp.astaro.de/pub/ASL/v7.0/iso_i386/
http://download.astaro.de/ASL/v7.0/iso_i386/

Supporting management applications

Astaro Command Center support

Astaro Security Gateway V7.2 will be supported by Astaro Command Center (ACC) V1.4.

Astaro Report Manager support

Astaro Security Gateway V7.2 will be supported by Astaro Report Manager (ARM) V4.6.

Known Issues

The actual ASG V7 Known Issues List (KIL) can be found at
http://www.astaro.com/lists/Known_Issues-ASG-V7.txt