



Astaro Command Center **V1.9**

Release Notes

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What's new in Astaro Command Center V1.9

With release V1.9 Astaro Command Center is now based on the proven and established ASG V7 framework, which provides dramatically increased performance and stability, many new management and reporting features and the base for fast development of new features for upcoming releases. By using the same platform as all other Astaro gateway products ACC now offers the same WebAdmin GUI for managing the ACC device and offers an additional "Gateway Manager" GUI for managing all connected devices..

The Gateway Manager now offers enhanced monitoring, sorting and filtering capabilities.

The following sections provide detailed information on all new features and changes in V1.9

General

Bandwidth economy & Data actuality

The Change to JSON (JavaScript Object Notation), which is a lightweight data-interchange format now saves more than 80% bandwidth compared to the previous ACC version. At the same time, the shown data actuality has been improved with a delay of only some seconds.

Administrative GUI Split

Administrators can now take advantage of two administrative GUIs. The customer-based view to connected gateways is convenient especially for service providers and Astaro partners offering device management as a service

The **WebAdmin (Port 4444)** is responsible for the ACC system settings.

The **Gateway Manager (Port 4422)** for monitoring and managing connected Astaro Gateways.

Multipoint Appliance Support

ACC is now supporting Astaro Multipoint Appliances (Astaro Web Gateway, Astaro Mail Gateway). The required firmware version for all appliances is V7.300 or higher.

WebAdmin improvements

Directory Service integration

Administrators and Users of the ACC are now able to authenticate against existing Directory Services (eDirectory, Active Directory, RADIUS, TACACS+, LDAP).

Monitoring / Reporting / Alerting

The ACC illustrates reports about network traffic, concurrent connections, CPU-, Memory / Swap-, Partition usage and creates the "executive report", familiar from Astaro Security and Web Gateways. This Report can be sent at three different intervals (daily, weekly, monthly) to different recipients. Notifications / Alerts (e.g. in case of system restarts, UPS device problems, etc.) can also be configured.

Network restrictions & Shared Secret

It is now possible to restrict access to the ACC by using network access definitions for Clients and Gateways. You can also activate a Shared Secret authentication scheme requiring both Gateway Manager and connecting devices to exchange a shared common password before communication starts. Enabling or changing this kind of access control requires the same

password to be specified in the Central Management configuration of each device requesting access to the ACC.

By using the **Auto Update** functionality, already connected (online) devices will automatically adjust to changes of the password given here, so there is no need for manual reconfiguration if you have many devices.

Gateway Manager features

The new implemented GUI "Gateway Manager" is responsible for managing connected devices.

Trend indicators

In addition to the actual monitoring data, the ACC now augments certain information with trend indicators to show deviations to previously established baselines and historical averages. Depending on the type of data monitored, those baselines are either short-lived (CPU load average) or worth several days of data collection (Threat Monitoring).

Re-sorting

A newly integrated automatic **sorting / re-sorting functionality** improves situational awareness by ensuring that Gateways with the highest threat status are put on top within the various views. The interval of the resorting can be set from 10 to 60 seconds.

Filter Bar

A newly integrated filter bar on the top of the monitoring views, allows focusing to specific gateways, which are above a specified threshold value.

New Worldmap

The integration of "Yahoo Maps" allows having a much more exact zoom-in functionality within the "Worldmap view". The exact editable known longitude / latitude declaration can now be displayed much more exact on the new map.

Service Monitoring

The ACC V1.9 monitors up to now the running services on the connected gateways. The services are consolidated into 4 groups:

- Misc (NTP-, DNS-, DHCP Server)
- Network Security (SOCKS Proxy, Intrusion Protection)
- Web Security (FTP Proxy, HTTP Proxy)
- Mail Security (SMTP Proxy, POP3 Proxy)

Enhanced "Mouseover" details

The "Mouseover functionality" show in different views more exact details, even by pointing with the mouse pointer beyond of the section.

Scheduled operations

The enhanced scheduled operations allow now to set specific weekdays for executing the selected action. It is further on possible to execute these actions once, on a specific day.

Changes

Licensing

ACC V1.9 is exempt from charges. However due to the new framework you now need to install a free license which you can retrieve from http://www.astaro.com/lists/Free_License-ACC-V1.txt and upload it at the menu: Management >> Licensing >> Installation.

System Requirements

Hardware requirements

The software needs to be installed on a dedicated Intel compatible PC.
 For proved hardware components please check our Hardware Compatibility List (HCL) at:
<http://www.astaro.com/lists/HCL-ACC-V1.txt>

Recommended hardware for ACC installations

The requirements for Astaro Command Center V1.9 depends on the number of managed devices in use as well as the number of administrators who access the ACC simultaneously. There are numbers for CPU, RAM, Hard Disk and Bandwidth (devices) / Bandwidth for clients respectively in addition.

Gateways	10	25	50	100	250
CPU:	2.4 GHz	2,8 GHz	Dualcore 1,8 GHz	Dualcore 3 GHz	Quadcore 2,3 GHz
RAM:	512 MB	1 GB	1 GB	2 GB	3 GB
HDD:	30 GB	40 GB	60 GB	80 GB	160 GB
WAN Down/Up:(*)	128 / 32 Kbit	256 / 64 Kbit(g)	512 / 128 Kbit(g)	1 Mbit / 256 Kbit(g)	2 Mbit / 512 Kbit(g)

(*): Required bandwidth from ACC to managed Gateways, excluding Up2Date Cache service.
 Note: An ADSL line is suitable for monitoring purposes as the downstream to the ACC is considerably higher than the upstream to the managed Gateways.

In addition, you have to calculate **extra upstream bandwidth** from ACC to the number of Clients using the Gateway Manager WebGUI; the demand is **5 Kbit** for each monitored gateway. For instance, if a client is monitoring 50 devices, you have to multiply this value with 50 (250 Kbit). If 5 clients are monitoring simultaneous each 250 devices, you have to multiply this value with 1250 (6,2 Mbit).

A high amount of simultaneous connections can cause the requirement of higher bandwidth for upstream then for downstream!

Please note, the above bandwidth estimations do not cover the usage of the Astaro Up2Date Cache but only encompass standard monitoring operations of the managed devices. As a rule of thumb, a Firmware Up2Date of 50 MB size will saturate a 6 Mbit xDSL line for roughly two hours when 100 devices pull the Up2Date package via the same dedicated ACC. In such cases, you should consider implementing a traffic shaping strategy for Monitoring and Up2Date traffic, respectively.

Virtual Appliance installation

ACC V1.9 can be installed as a virtual appliance.
 The following VMware virtualization platforms are supported:

- VMware Player
- VMware Server
- VMware Workstation
- VMware ESX Server

Supported web browser

Astaro Command Center V1.9 WebAdmin and Gateway Manager 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 2.0 or higher
- Safari 3.0 or higher

Linux:

- Mozilla Firefox 2.0 or higher

Mac OSX:

- Safari 3.0 or higher
- Mozilla Firefox 2.0 or higher

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

Because much of the AJAX GUI processing is done by the management workstation instead of the ACC, we recommend using **Firefox 3** on a management workstation with at least 1024 MB RAM and a CPU with 3 GHz. More system performance will increase GUI processing speed significantly; hence a Dual-Core CPU and 2 GB of RAM will be beneficial.

Installation and Upgrade Information

General Information

Due to major system architecture changes in the new Astaro Command Center V1.9 and the focus on future extensibility and scalability, only Versions 7.300 and higher will be supported. You can continue using older products with the previous ACC V1.4 which offers backward compatibility, but you cannot benefit from the new features and enhanced capabilities until you update both your Astaro Security Gateway and your ACC installations.

Supported Astaro Gateway releases

The following versions of Astaro Gateway are supported:

- ASG / AWG / AMG V7.300 and higher

Known Issues

The actual ACC V1 Known Issues List (KIL) can be found at http://www.astaro.com/lists/Known_Issues-ACC-V1.txt