

Astaro Command Center Overview



Central Management Made Easy

Service providers and companies that have multiple Astaro installations in various locations use the Astaro Command Center (ACC) to centrally manage up to several hundred Astaro appliances. The web-based user interface provides optimal transparency in implementing company-wide security guidelines. The administrator always has an overview of important system parameters and can respond quickly through the central configuration option when critical values are indicated.

ACC V2 is available as a hardware appliance, and free of charge as software or a virtual machine, all which offer functionality such as:

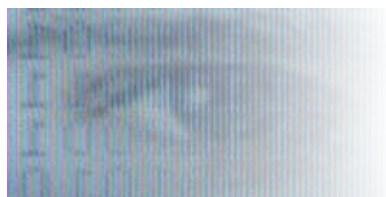
- ▶ **Device Monitoring:** Monitors license status, threats, firmware/pattern versions, resource utilization, running services, network load, HA/cluster status and other system parameters in real time with an intelligent trend indicator.
- ▶ **Central Configuration:** Build and maintain IPSec VPN tunnels between supported devices, manage Up2Dates, and centrally access all connected devices with single sign-on.
- ▶ **Multi-Client Access:** User-specific views and access rights allow managed service providers to administer multiple, separated client networks from a single ACC device.



ACC Dashboard

The Astaro Difference

- ▶ Only Astaro keeps central management simple. The entire user interface is web-based.
- ▶ No software installation or Java/Flash extensions on the clients are needed, which makes integration into existing infrastructures purely plug and play.
- ▶ Nobody is faster: With the "Astaro Quickstart", every gateway connection is accomplished in moments, without complex joining procedures.



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Benefits

Comprehensive Security

- ▶ Central threat-level monitoring
- ▶ IPSec VPN Tunnel creation and status monitoring
- ▶ Real-time Up2Date status check
- ▶ Central cache for patterns
- ▶ Granular user roles management
- ▶ Baseline deviation monitoring

Easy to Manage

- ▶ Web-based (without Java or Flash) Interactive GUI
- ▶ Integration into existing Active Directory & eDirectory, LDAP, RADIUS, TACACS environments
- ▶ Comprehensive dashboards graphically illustrate status of connected devices
- ▶ Detailed views for specific categories like threats, site-site tunnel status, or system load
- ▶ Single sign-on allows rapid access to Astaro Gateway appliances
- ▶ Simple integration for existing environments
- ▶ Complete inventory list in real-time

Who's Watching Your Network?



Astaro Command Center 1000



Astaro Command Center 2000



Astaro Command Center 3000



Astaro Command Center 4000



ACC Software & Virtual Appliance



Max Gateway Amount	up to 20	up to 50	up to 100	up to 200	**
Administrators*	1	2	3	4	**
Clients*	4	10	20	40	**

Supported Gateways	ASG, AMG, AWG	ASG, AMG, AWG	ASG, AMG, AWG	ASG, AMG, AWG	ASG, AMG, AWG
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Functionality					
Central Monitoring	yes	yes	yes	yes	yes
Central Configuration	yes	yes	yes	yes	yes
Central Maintenance	yes	yes	yes	yes	yes
Multi-Client Capability	yes	yes	yes	yes	yes
Directory Service Integration	yes	yes	yes	yes	yes

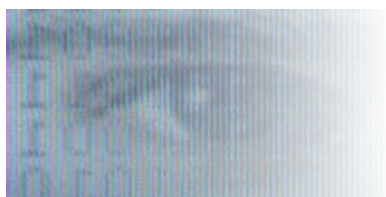
System					
System Storage	30 GB	30 GB	30 GB	60 GB***	**
Log/Reporting Storage	40 GB	40 GB	40 GB	80 GB***	**
10/100/1000 Mbps Ethernet Ports	2	2	4	4	**
Form Factor	1U rack-mount	1U rack-mount	1U rack-mount	1U rack-mount	**

* Admin with full access, client with access to an average of 5 Gateways and 1/3 of the clients simultaneously logged in
 ** Depending on hardware platform used *** RAID hard disk system

» Astaro was different from the competition.
 Astaro's technology can be managed with minimum effort. «

Tim Smith, Director of Information Systems
 Ohio State University

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Who's Watching Your Network?

Management Features - Details

Real-Time Monitoring

Threats

- ▶ Infringement of packet filter rules
- ▶ IPS attacks, port scans, failed login attempts, virus and spyware attacks
- ▶ Monitoring of the spam rate

License Information

- ▶ Active & maximum permitted number of users & connections
- ▶ License status & license ID
- ▶ Remaining period for each subscription

Version Control

- ▶ Installed firmware & pattern versions
- ▶ Initiation of firmware & pattern updates
- ▶ Prefetch control
- ▶ Monitoring of the update process

Resources

- ▶ System load
- ▶ CPU load (total)
- ▶ CPU load by core
- ▶ Ram & Swap locations
- ▶ Hard drive allocations for all partitions

- ▶ Network card load
- ▶ HA/Cluster status

Services

- ▶ Display of activated and deactivated services
- ▶ Monitoring of functions in the segments:
 - ▶ Network Security: SOCKS proxy, Intrusion Protection
 - ▶ Web Security: FTP & HTTP proxy
 - ▶ Mail Security: SMTP & POP3 proxy
 - ▶ NTP, DNS & DHCP servers
 - ▶ CPU load by service
 - ▶ RAM load by service

Inventory Management

Inventory lists with hardware information for all devices:

- ▶ Device type
- ▶ Processor
- ▶ RAM
- ▶ Hard drive
- ▶ CD ROM
- ▶ Network cards

Device Maintenance

Timed execution of tasks:

- ▶ Up2Date Prefetch
- ▶ Firmware installation

- ▶ Pattern installation
- ▶ Restart
- ▶ Shutdown

Access Management

User Rights

Granular assignment by customer, user & gateway:

- ▶ No access
- ▶ Monitoring: access to general overviews
- ▶ Maintenance: access also to the inventory overview as well as administration of routine tasks
- ▶ Configuration: access to general overviews
- ▶ UserAdmin: user rights administrator for selected devices

Directory Service Integration

Authentication of all ACC users via directory services:

- ▶ eDirectory, Active Directory, RADIUS, TACACS+ & LDAP
- ▶ Secure single sign-on (SSO) access to all devices (without additional login prompting)

- ▶ Maintenance: access also to the inventory overview as well as administration of routine tasks

Reporting

Daily, weekly, monthly & yearly overviews of:

- ▶ Hardware & network capacity
- ▶ Automatic transmission as an executive report via email

Detailed Views

- ▶ Map/list views and an interactive world map with automatic location detection
- ▶ A complete overview of all connected gateways
- ▶ Granular filter & sorting options
- ▶ Trend indicators provide information of critical system parameters over time

Access Management

- ▶ Build site-to-site IPSec VPN tunnels
- ▶ Wizard for tunnel creation
- ▶ Edit/delete deployed tunnels
- ▶ Fully contained within ACC

24x7 Service Offerings

Mail Security

Award-winning customer support offerings include 24x7 technical assistance and expedited appliance replacement

Security Response

Subscriptions to Astaro's 24x7 Security Response Service keep networks protected and secure at all times

Training

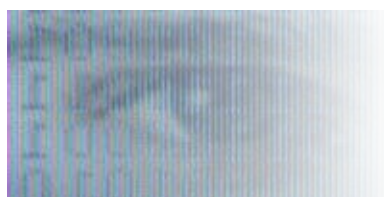
To maximize administrator productivity, free, self-paced training is available on the web along with regularly-scheduled live seminars

Online Resources

Access a wealth of information about Astaro products, offerings, research and support tools through our collection of online resources

If you have any questions regarding Astaro's Command Center or require further information, please contact us at 1-866-431-8972 or sales@astaro.ca

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