

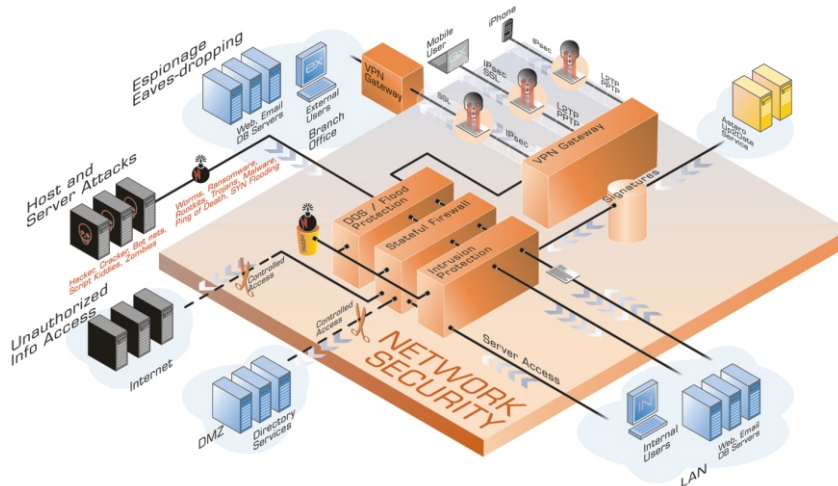
# Astaro Security Gateway Network Security



To defend networks against the wide variety of Internet threats, organizations often purchase point products such as Intrusion Prevention Systems, VPN Gateways, and Firewalls. This not only requires the maintenance of multiple products, but users also need to be continuously assured that these products are fully integrated and operating together in order to effectively protect their network.

Astaro Security Gateway eliminates these issues, providing a single, easy-to-manage, unified network protection solution:

- ▶ **Control network access:** Use the latest deep packet inspection firewall techniques and oversee user access to specific information at configurable times.
- ▶ **Stop intruders:** Apply state-of-the-art Intrusion Prevention technology for in-depth filtering against over 7,500 attacks and zero-day threats.
- ▶ **Secure remote access:** Use SSL, IPSec, L2TP or PPTP protocols to create secure virtual private networks, connecting branch offices and granting remote access to external employees.
- ▶ **Optimize bandwidth management:** Guaranteed bandwidth for real-time applications such as VoIP and video conferencing.



A powerful suite of integrated tools

## The Astaro Difference

- ▶ Only Astaro appliances are available in three different types: as hardware, software, and virtual appliances. Integration into existing infrastructures has never been easier.
- ▶ Nobody's faster: With Astaro's "10-Minute Setup" every installation is completed rapidly.
- ▶ Nobody's more flexible: Astaro's "One-Click Clustering" technology enables scalable performance and system stability with up to ten cluster nodes.
- ▶ Over 47,000 customers are already protecting their networks with an Astaro appliance.

## Benefits

### Comprehensive Security

- ▶ Deep packet inspection, protecting against even the most sophisticated threats
- ▶ Support for all popular VPN connection types
- ▶ Intelligent bandwidth management for time-critical applications such as VoIP
- ▶ State-of-the-art clustering technology for maximum scalability and reliability

### Easy to Manage

- ▶ Browser-based graphical user interface allows for easy central administration
- ▶ Balance up to eight WAN links automatically, or with crafted rules
- ▶ Setup wizards for installation tasks
- ▶ "One-click" VPN configuration via an interactive end-user portal
- ▶ Extensive reports provide detailed, at-a-glance information for all types of system data
- ▶ "Point and click" activation allows you to efficiently apply IPS group rules
- ▶ Continuously updated dashboard views allow you to view your network security status, live from anywhere in the world
- ▶ Zero-Configuration High Availability

## Deployment

Astaro's Network Security functionality, available within the base license of Astaro Security Gateway provides deep packet inspection firewall, VPN, Intrusion Prevention, Traffic Management and QoS.

Automatic firmware and pattern updates are provided as part of Astaro's Up2Date Service with every maintenance contract.

An unmatched logging system coupled with detailed reports measures effectiveness.

Astaro Gateways are available as a hardware, software or virtual appliance. Each version provides an identical function range, allowing you to freely choose the platform that best fits your needs.

Use a routed mode to have Astaro act as the gateway device, or deploy anywhere in the network using transparent bridging.

- ▶ **Astaro Hardware Appliances:** Performance optimized Unified Threat Management appliances.
- ▶ **Astaro Software Appliance:** Turn any PC into a security appliance, offering maximum deployment flexibility.
- ▶ **Astaro Virtual Appliance:** Ready-to-go virtual machines for VMware environments, helping you to consolidate your IT infrastructure.



**Astaro Hardware Appliances**



**Astaro Software & Virtual Appliances**

## Security Features - Details

- ▶ Stateful deep packet inspection filter firewall
- ▶ DoS, DDoS, Portscan, Worm, Botnet and Flood protection
- ▶ Over 7,500 Intrusion Prevention rules with update automatically in real-time
- ▶ Security proxies for HTTP, HTTPS, FTP, SMTP, POP3, DNS, SOCKS and SIP
- ▶ Site-to-site IPSec & SSL VPN
- ▶ Remote access: SSL, IPSec, L2TP over IPSec and PPTP
- ▶ Total iPhone VPN support
- ▶ Integrated user database, Active Directory, eDirectory, Radius, Tacacs+ and LDAP authentication
- ▶ WAN Link Balancing across multiple ISP connections
- ▶ Stateful VoIP support for H.323 and SIP
- ▶ Routing modes: static, policy, OSPF, NAT, PAT and bridging
- ▶ Time-based rules and policy-based routing
- ▶ Active/Passive (Hot Standby) and Active/Active (Clustering) HA, without the need of external load balancers
- ▶ Transparent web proxy cache
- ▶ Export reports directly from WebAdmin in PDF or CSV
- ▶ Ethernet, DSL, cable, VLAN and PPP interface support
- ▶ Active Directory and eDirectory single sign-on
- ▶ Granular traffic shaping
- ▶ 802.3ad link aggregation
- ▶ Fully integrated PKI solution and external Certificate Authorities support
- ▶ Included reports provide extensive information about network traffic, resource utilization, current system status, detected intrusions and much more
- ▶ Intuitive, browser-based GUI using AJAX controls allows drag-and-drop functionality and management without page-refreshes
- ▶ Automatic real-time update of firmware and attack patterns
- ▶ Self-managed download of VPN client packages (including software, configuration files, keys and certificates) through the UserPortal
- ▶ Fully customizable end-user messages
- ▶ Daily, monthly, and weekly executive reports via mailing lists in PDF format or html
- ▶ No imposed limits for interfaces, policies, schedules, tunnels or connections
- ▶ Incoming server load balancing with dead-peer-detection and session persistence

## Contact Astaro

Download an evaluation copy of the Astaro Security Gateway software at <http://www.astaro.com/download> or contact Astaro at:

### The Americas

Astaro Corporation  
260 Fordham Road  
Wilmington, MA 01887  
USA  
T: +1 978 974 2600  
F: +1 978 974 2626  
[americas@astaro.com](mailto:americas@astaro.com)

### Europe, Middle East, Africa

Astaro AG  
Amalienbadstrasse 36  
76227 Karlsruhe  
Germany  
T: +49 721 255 16 0  
F: +49 721 255 16 200  
[emea@astaro.com](mailto:emea@astaro.com)

### Asia Pacific Region

Astaro K.K.  
12/F Ark Mori Building  
1-12-32 Akasaka Minato-ku  
Tokyo 107-6012, Japan  
T: +81 3 4360 8350  
[apac@astaro.com](mailto:apac@astaro.com)



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

### Your Astaro Solutions Partner