

# Intelligent Web Filtering



**Prevent Internet misuse and protect users from undesirable web sites, viruses and spyware**

**Harris Hawk** (*Parabuteo unicinctus*)

*The eyesight of a hawk is eight times as powerful as a human's. They are also among the most intelligent of birds, because of the wide range of hunting techniques they employ.*

Dynamic Content Analysis  
Hidden Content Detection  
Website Signature Scanning  
Traffic Tracking  
Advanced Reporting

Accurately block all undesirable content  
Protect against web-borne viruses and spyware  
Prevent the use of anonymous proxies  
Monitor web activity in real-time  
Understand and interpret web usage

[www.smoothwall.net](http://www.smoothwall.net)

With today's web consisting of tens of billions of pages, intelligent content analysis is the only reliable way to protect against the unexpected. Guardian combines SmoothWall's exclusively dynamic and intelligent approach to content filtering with robust web security and an intuitive, easy-to-use interface.

# Guardian

## Intelligent, secure, and flexible filtering...

### Dynamic Content Analysis

Guardian's Dynamic Content Analysis™ technology examines not just the content but the **context and construction** of every web page requested. Sites are identified and classified in a fraction of a second, and can be flexibly blocked or allowed based on the type of content, the user - or even the time of day. Categories incorporate content from the IWF database\* and are updated daily. Deep URL analysis is performed on image searches, so results that are recognised as coming from inappropriate sources can be selectively omitted.

### Web Security & Anti-Virus

With built-in anti-virus and web security, Guardian detects and blocks web-borne malware and viruses, as well as other malicious hidden content such as browser exploits and embedded program code. SSL filtering ensures that Internet traffic using secure connections (SSL/HTTPS) is also analyzed and scanned for these threats.

### Proxy Detection

Guardian accurately detects and prevents the use of the anonymous proxy tools that allow users to bypass web filters and secretly browse banned online content. All web pages requested are scrutinized for the tell-tale signatures of proxy servers and networks (including SSL/encrypted proxies) and are blocked accordingly.

### Flexible, Secure Filtering With Authentication

Filtering can be fine-tuned using Guardian's intuitive and easy to use interface. Integration with Microsoft Active Directory, Novell eDirectory and other LDAP systems enables policy-based filtering so that different rules can be set for different users and/or rooms at different times of the day. Soft-blocking options and temporary bypass controls also help to maintain a flexible and user-friendly level of filtering.

### Advanced Reporting

Understand and interpret web usage with advanced and highly granular reporting tools. User activity is constantly monitored in real-time and reports can be automatically scheduled and issued using 300+ pre-built reporting templates. A User Portal also provides limited access to selected users for viewing reports.

### Instant Messaging

Guardian incorporates tools for controlling and monitoring a wide range of Instant Messaging applications. IM conversations, file transfers and attachments can be monitored, logged, censored or blocked altogether.

### Web Caching

Guardian's web proxy cache helps to reduce bandwidth utilization by storing and retrieving frequently accessed web pages. This is of particular benefit in a classroom environment where many users will be looking at the same material\*\*.



\* The IWF is a recognized organization working in partnership with the police, governments, and the wider online community to combat the availability of criminally obscene content on the Internet.

\*\*Guardian is a BECTA accredited filtering solution (meets UK national government-approved standards for Internet filtering products used in education).



## Deployment Options

### Hardware Appliance Secure Web Gateway (SWG)

The Guardian Secure Web Gateway offers the same feature set as the software appliance version of Network Guardian, but on a 1U rack-mounted appliance with 3 GBytes of RAM and a powerful Intel processor. The SWG also supports Bridge Mode (transparent inline proxy). Licensing is flexible and incremental updates and major upgrades can be installed without having to replace the appliance itself.

### Software Appliance

Guardian is available as an independent software appliance, which means it comes as a complete package with its own operating system (Linux) and can be installed on standard hardware, converting an entry-level server into a dedicated security appliance. The benefits of utilizing standard hardware are that processing power and memory can be specified to suit, and service agreements with regular suppliers can be leveraged. With a software appliance, the components can also be downloaded and installed immediately. Zero knowledge of Linux is required.

### Virtual Appliance

Guardian can also be installed on a virtual server (VMware platform). Virtual machines come with a number of advantages including better utilization, scalability and resilience – as well as reduced power bills. As a software appliance, Guardian is tried and tested on a VMware platform and includes the necessary tools to enable full communication between the host and the guest.

### UTM/Firewall Module

Guardian can also be supplied in software form as an add-on module for SmoothWall's UTM appliances and firewalls. The SmoothGuardian web security and content filtering module offers the same feature set as the software version of Network Guardian and integrates seamlessly with firewall, VPN, IDS, anti-virus, email security and load balancing components to form a powerful all-in-one security solution.

### Mobile Guardian (remote laptop filtering)

For policy compliance and legal reasons, many organizations now need to ensure that any Internet browsing that takes place on their equipment is controlled. Mobile Guardian is a desktop client that allows filtering policies to be enforced regardless of location. When laptops return to the network, log files of the remote browsing that has taken place are automatically uploaded and filtering policies updated.

[www.smoothwall.net](http://www.smoothwall.net)

Over 80% of people who evaluate go on to buy Guardian. To download a trial version, book a web demo, read product comparisons or more customer stories, visit [www.smoothwall.net](http://www.smoothwall.net)

## In the words of our customers...

Mark Van-Kerro,  
Peterborough City Council

Dean Lupton,  
Business Post Group Plc

Stuart Johnson,  
Malvern College

"SmoothWall's Guardian web filter has played a fundamental part in how Peterborough City Council provides Internet Access to its Staff, School and Public Library Users. Guardian provides a well structured and effective filtering solution providing excellent protection from known and unknown web content."

"For Business Post, Guardian has proved to be a highly reliable, low cost solution. Its ease of installation and configuration means that I can scale the hardware as the business grows rather than the solution as whole. The authentication, coupled with the ability to allow temporary access to restricted sites means that I can provide appropriate access rights to any of our users, which has helped save both on Internet bandwidth, and time wasting, while still giving the end user a fairly open but safe browsing experience".

"SmoothWall has given me the ability to fine tune just about every aspect of the interface between the Internet and those who use it. I am confident now that I know what is going on with my network. I have anything up to 600 students trying to break our security, often during the evening from their own laptops. The combination of Advanced Firewall and Guardian has enabled me to lock down the network providing a reliable and safe learning environment"



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