



*Operating System
Appliance Solution*



Secure and Optimize the Web traffic within your enterprise, increase the productivity and sustainability of your business

The use of web applications and the services that your business offers via the internet places the web in a strategic position. The success of your company depends strongly on rapid, secure and safe internet access.

CacheGuard is an all-in-one solution that permits you to completely control the web traffic into and out of your enterprise. It allows you to secure and optimize web flow both to and from your company's server, as well to protect the clients who access your site.

CacheGuard allows you to concentrate on your business. It has a multitude of the components needed to protect you from web menaces, to increase your bandwidth, allow proxy caching, and much more, so that you can reap the benefits without the pre-occupation of how to integrate and configure each functionality. This bypasses much confusion and headache, while saving time and money. CacheGuard is a functional, ready to use solution that can rapidly be installed in your existing internet infrastructure.

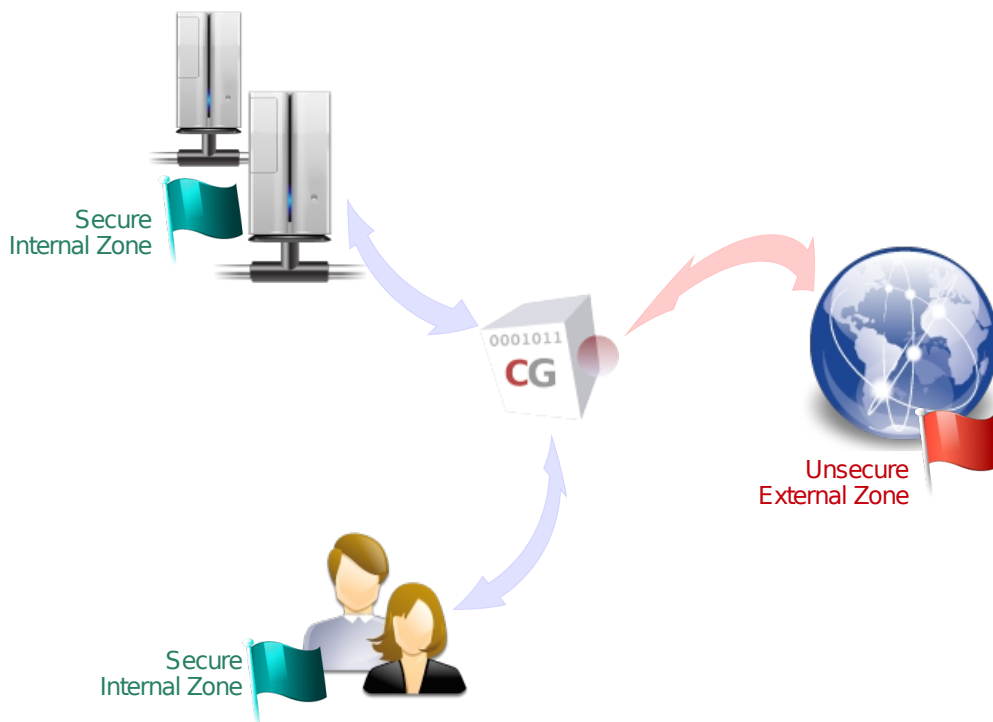
CacheGuard can be implemented in 2 forms: Hardware Appliance or Virtual Appliance.



Functions

Free for up
to 5 users

CacheGuard actively manages all the web flow, while remaining invisible to the users. Implemented as a link to the internet by placing the CacheGuard in front of your web servers, it protects your users and applications against all fraudulent use, all the while optimizing the generated web traffic.



Web Security

- ▶ Protecting against network intrusion
- ▶ Controlling access to the internet
- ▶ Guarding against illicit or undesired URLs
- ▶ Authenticating Web users
- ▶ Cloaking Web servers
- ▶ Content filtering at the Web gateway
- ▶ Web access High Availability
- ▶ High Availability of Web servers
- ▶ VPN to connect remote workers
- ▶ Tracing/logging Web access

Web Optimization

- ▶ Saving of network bandwidth
- ▶ Network Traffic Optimization
- ▶ Load balancing access to the Web
- ▶ Load balancing between Web servers
- ▶ Web traffic QoS (Quality of Service)
- ▶ Bandwidth shaping/allocating to the Web
- ▶ Bandwidth shaping to Web servers
- ▶ Equitable distribution of Web traffic
- ▶ Reduction of load for Web servers
- ▶ Load balancing internet connection

CacheGuard is an All-in-One Web Security and Optimization solution



Why choose CacheGuard?



- ▶ CacheGuard is ready to use: benefit from the integration of the best Open Source technologies without the hassle and complexity of configuring and integrating them into your existing infrastructure. We have a low cost solution without the need for IT specialists.



- ▶ CacheGuard is virtualizable: virtualization reduces, without question, investment in hardware. The CacheGuard OS can rapidly be installed in a virtual machine, giving you additional flexible options.



- ▶ CacheGuard can be trusted: our solution is built on the strongest Open Source technologies in the market. You can use the technology in any applicable server, hence you avoid being pigeon-hole into a specific hardware solution.



- ▶ CacheGuard is functional: our solution is designed to optimize and secure the Web flow and is packaged into *one* unique product. The use of our Web Gateway is invisible to both your users and Web applications that you need to protect. Consequently you reduce the complexity of your network, facilitate deployments and increase productivity.



- ▶ CacheGuard is adaptable: our solution can be installed in almost any x86 or x64 based server available in the market and thus is not brand or appliance specific. Use the hardware of your choice today, change to another at any time, while maintaining the security and optimization that CacheGuard OS provides.



CacheGuard is a functional and ready to use solution



Network

- ▶ Plug & Play Network Appliance
- ▶ IP and Web router
- ▶ 802.1Q VLAN support
- ▶ NTP Support
- ▶ DHCP and Caching DNS

IP Security

- ▶ Internet Gateway
- ▶ Web Proxy HTTP, HTTPS, FTP
- ▶ Transparent HTTP Proxy
- ▶ Chaining and parallel proxy
- ▶ Web access lists
- ▶ IP Firewall with NAT et PAT
- ▶ Blocks Syn Flood, Smurf, Spoofing...
- ▶ Site to Ste and Remote Access IPsec VPN

High Availability

- ▶ Ethernet Channel Bonding
- ▶ VRRP Redundancy
- ▶ RAID capabilities
- ▶ High Availability Web access
- ▶ High Availability Load balancing
- ▶ Backup & Restore on spare machine

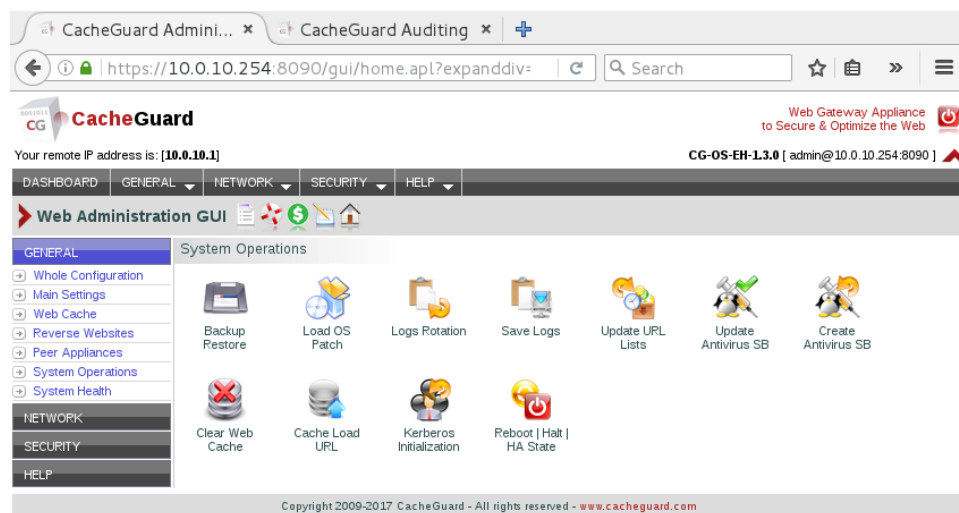
Web Optimization

- ▶ Persistent Web Cache
- ▶ Real Time HTTP Compression
- ▶ Cache sharing
- ▶ QoS and bandwidth Shaping
- ▶ Web Application Load Balancing

Web Security

- ▶ URL filtering with blacklists and white lists
Automatic blacklists updating (60+ categories)

Main Technical Features



- ▶ URL filtering with regular expressions
- ▶ WAF (Web Application Firewall) with generic (XSS, Injections...) and customizable rules.
- ▶ Virus blocking at the Web gateway
- ▶ Logging Web access
- ▶ Auditing Web requests
- ▶ SSL terminator for cloaked Web servers
- ▶ SSL Mediator for cloaked Web users
- ▶ LDAP, LDAPS and Kerberos / AD® Web Authentication

Administration

- ▶ Integrated monitoring and reporting
- ▶ SNMP agent, SNMP trap and SysLog
- ▶ Configurable with high level online commands
- ▶ Remote administration with SSH and HTTPS

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