



*Operating System  
Appliance Solution*



## Secure and Optimize the internet traffic within your organization to protect your activities

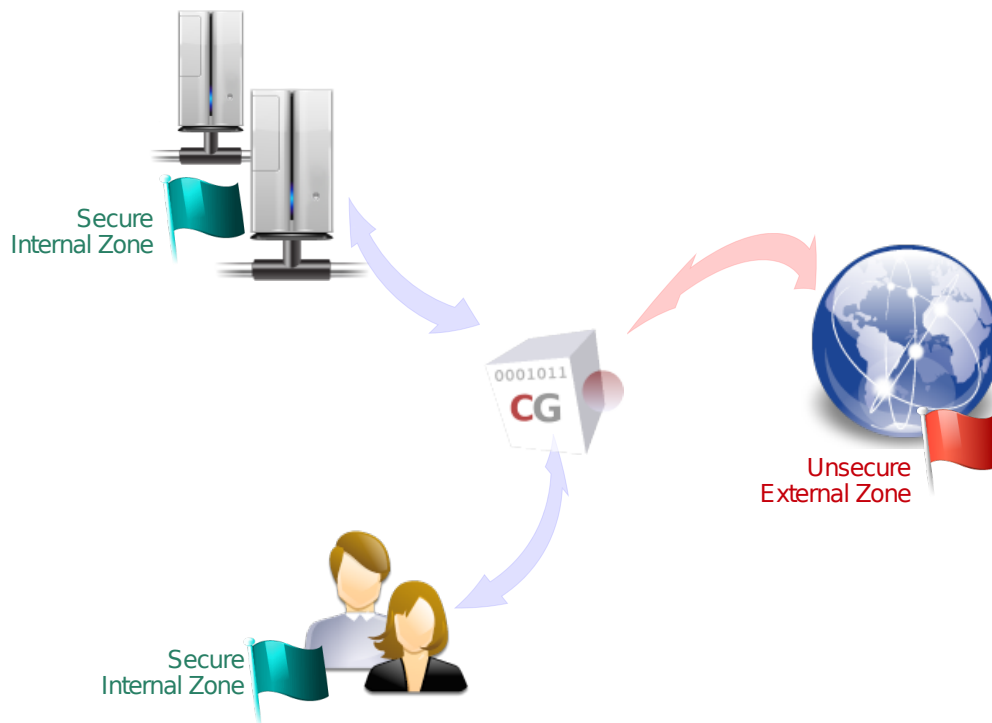
Needless to say, using the internet within your organization put your internet access in a strategic position. The success of your activities strongly depends on a fast, reliable and secure internet access.

CacheGuard is an all-in-one solution that allows you to master the internet and/or network traffic within your organization. It allows you to secure and optimize the network traffic exchanged between the internet and people working in your organization as well as the network traffic exchanged with your precious servers.

To highly secure and optimize the incoming and outgoing internet traffic, you need to combine multiple solutions, such as but not limited to, a firewall, a web proxy, a network antivirus, a bandwidth optimizer, a reverse proxy, a web application firewall and a VPN server. CacheGuard offers all those solutions in a single package letting you to concentrate on your core activity rather than dealing with the hassle of combining all those solutions.

# CacheGuard can be implemented in 3 forms: Hardware, Virtual and Cloud Appliance.

CacheGuard actively Secure and Optimize the network traffic and especially the Web traffic, while remaining invisible to users and servers. Implemented in front of your users and/or servers, it protects them against attacks coming from malicious users on the internet. By implementing CacheGuard you can:



## Network Security

- ✓ Protect your networks against intrusions
- ✓ Protect your computers against attacks
- ✓ Filter accesses to undesirable websites
- ✓ Block malware and viruses at the gateway
- ✓ Build Virtual Private Networks (VPN)
- ✓ Authenticate Web users
- ✓ Log web accesses and blocked traffic
- ✓ Block content attacks on Web applications

## Network Optimization

- ✓ Access the internet via multiple ISPs
- ✓ Get internet access highly availability
- ✓ Save your network bandwidth
- ✓ Reserve bandwidth for critical applications
- ✓ Prioritize real time network traffic
- ✓ Build scalable Web applications
- ✓ Offload Web servers from repetitive tasks
- ✓ Get High Availability

# CacheGuard is an All-in-One Network Security and Optimization solution



## Why choose CacheGuard?



- CacheGuard is ready to use as a service : benefit from the integration of the best Open Source technologies without the hassle of configuring and integrating complex tools. Subscribe to a plan and benefit from sophisticated functions within minutes.



- CacheGuard can run on a virtual machine: virtualization reduces investment in hardware. Install CacheGuard-OS on a virtual machine and get a network appliance in record time.



- CacheGuard is trustworthy: CacheGuard-OS is based on the strongest Open Source technologies in the market and is maintained actively. All developments made by CacheGuard Technologies are distributed under an Open Source License.



- CacheGuard is functional: CacheGuard is packaged into a single product. The use of CacheGuard is invisible to both your users and servers. Hence, you reduce the complexity of your network, facilitate deployments and increase your productivity.



- CacheGuard is adaptable: CacheGuard-OS can be installed on any x86 or x64 based machine 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.



# CacheGuard is a functional and ready to use solution

## Main Technical Features

### Network

- ✓ Plug & play network appliance
- ✓ Internet access sharing
- ✓ IP & Web router
- ✓ Ethernet channel bonding
- ✓ High Availability based on VRRP
- ✓ Multi WAN connectivity
- ✓ NTP Support
- ✓ DHCP & caching DNS

### IP Security

- ✓ Access lists for traffic exchanged with the appliance
- ✓ Network firewall with NAT & PAT
- ✓ Implicit firewall rules for Syn Flood, Smurf, Spoofing...
- ✓ Site to Site & Remote Access IPsec VPN
- ✓ Blocked traffic logging

### Web Security

- ✓ Explicit HTTP & HTTPS proxy
- ✓ Transparent HTTP & HTTPS proxy
- ✓ URL filtering based on blacklists & white lists
- ✓ Automated URL lists updating
- ✓ URL filtering based on regular expressions
- ✓ Virus & malware blocking at the Web gateway
- ✓ SSL mediation & malware blocking
- ✓ WAF (Web Application Firewall)
- ✓ WAF rules customization
- ✓ WAF generic rules (XSS, SQL injection...)
- ✓ IP reputation based access controlling
- ✓ Web access logging
- ✓ LDAP/S & Kerberos based Web users authenticating
- ✓ Integrated PKI (Public Key Infrastructure)

### Network Optimization

- ✓ Bandwidth limiting
- ✓ Traffic shaping & scheduling
- ✓ Real time HTTP Compression
- ✓ HTTP & HTTPS Web caching
- ✓ Proxy chaining
- ✓ Web cache sharing
- ✓ Web application load balancing

### Administration

- ✓ CLI (Command Line Interface) configuration
- ✓ Web GUI configuration
- ✓ Remote SSH configuration
- ✓ SNMP monitoring (agent & traps)
- ✓ Web request auditing
- ✓ Integrated reporting
- ✓ Syslog server reporting

### System Features

- ✓ RAID0, RAID1, RAID5, RAID6 & RAID10 support
- ✓ Automatic system patching
- ✓ Backup & restore on spare machine

