



armorlogic

# profense

Web Application Firewall  
PRODUCT SHEET

Easy, automated and affordable web security for compliance requirements. Profense is a "software appliance" which when installed converts a standard server into a powerful web application firewall.



- Installs industry leading web site protection in minutes
- Five star rating from SC Magazine for ease of use, performance and support
- XML, JSON and SOAP web services support
- Acceleration and scalability through caching and compression
- Automated installation, configuration and policy building

## Software appliance

Profense converts a standard server into a powerful web application firewall. It is a complete package with its own hardened OS (the ultra secure OpenBSD). Increase performance simply by upgrading the hardware.

## Acceleration and load balancing

A rare combination of session persistence, application load balancing, request switching, content compression and server off-loading enables scalability and acceleration of even complex SSL-enabled web 2.0 applications without loss of state information.

## Fast and cost effective protection

Easily implement strong positive web application protection in a fraction of the time and expense that it would take to re-write the source code to fix any vulnerabilities.

## Avoid costly brand damage

Malicious hackers are increasingly using compromised web sites to distribute malware to visitor's computers. Profense's whitelisting effectively protects your visitors by defeating intrusion attempts even when they exploit unpublished vulnerabilities or configuration weaknesses.

## Easy and transparent implementation

Automated installation and configuration utilities allows for fast implementation of strong proactive protection - without expert knowledge. Transparent implementation ensures compatibility with existing systems.



## High availability

Built in support for fault tolerant configurations with fail-over and automated policy synchronization. Automated backup and recovery features allow for fast and uncomplicated disaster recovery.

## Requirements compliance

Defenses against all OWASP Top Ten vulnerabilities, full PCI DSS 1.2 Section 6.6 compliance and XML and JSON web services supported.

## Web protection

- Web server cloaking and customizable HTTP error handling completely shield web servers from direct Internet access and defeat fingerprinting attacks
- White-list based filtering of input data (including all URLs and parameters) allows for protection against threats from unpublished vulnerabilities in web server software and applications
- Blocking at either the application or network level
- Validation of requests using a combination of positive and negative policy rules
- CSRF and Session (hijacking) protection through session and request form origin validation based on cryptographic tokens
- XML, JSON and SOAP web services are supported; positive and negative policies and combinations of can be enforced on services requests
- Outbound data theft protection and log data masking provides compliance with requirements like PCI DSS
- Defeats attacks that intrusion protection systems and network firewalls do not
- HTTPS termination and protection from SSL-encrypted attacks
- Deployed inline in reverse proxy mode
- Defenses against all OWASP Top 10 vulnerabilities
- Full PCI DSS 1.2 section 6.6 requirements compliance
- Always updated protection and no dependence on signatures due to the positive security model

## Availability

- Web server health checking improves website and web application availability. HTTP response code and response body checksum methods supported
- Automated SCP and FTP remote backup
- Fast restore from disk or network
- High availability with automatic fail-over and policy synchronization
- Active/active "self load balancing" configuration supported

## Compatibility

- Includes hardened OS and runs on most standard i386 server hardware or virtual platforms
- Integrates transparently with existing infrastructure, web system components and client browsers
- SSL 128bit (or higher) with certificate import
- Multi-homed configurations supported (10/100/1000 Mbps)

## Operation

- Auto mode providing instant protection which improves as Profense learns the web applications and creates positive policy rules for critical application components
- Hierarchical ACL allows for optimization and reduction of complex access policies
- Full regular expressions support
- Software appliance includes hardened OS and runs on standard server hardware
- Appliance-style operation through dedicated management interface

## Acceleration and compression

- 30 - 60% reduced bandwidth consumption
- 50 - 100% transfer rate improvement
- Dynamic HTTP compression
- Static content caching
- Intelligent caching of dynamic web server content enhances the ability to handle peak situations
- SSL termination and TCP connection off-loading

For more information, contact us  
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