



# **Zeus Application Firewall Module**

Part of the Zeus Elastic Application Delivery platform

Enterprise web application firewall and traffic management software

**Zeus. Why wait...**

Ecommerce systems including customer portals, online stores and online banks may be vulnerable to attacks such as SQL injection, cross-site scripting or session hijacking. These attacks are geared towards weak points, not at the network level, but at the web applications themselves. However, the target of the attacks remains the same – your confidential information.

**With Zeus Traffic Manager**, you can manage your web application traffic and apply basic security filters and policies. Zeus Application Firewall Module adds a sophisticated, application-aware Web Application Firewall for deep application security.

**Zeus Application Firewall Module** identifies and classifies transactions, comparing them against an extensive set of known and suspicious requests, as well as specific vulnerabilities present in your application. Requests that are not permitted are handled securely by Zeus Application Firewall Module, so they never reach the vulnerable application and are always logged for audit purposes.

**For additional security**, Zeus Application Firewall Module encrypts and seals session information, cookie and form data and even URLs, preventing “man-in-the-middle” attacks and traffic tampering by malicious clients.

**Zeus Application Firewall Module** is a key add-on capability for any organization that manages critical customer or business data behind a public-facing web presence.

# Enterprise web application firewall and traffic management software

## PCI DSS compliance

Zeus Application Firewall Module is designed specifically to help organizations achieve Payment Card Industry Data Security Standard (PCI DSS) compliance.

PCI DSS is a key standard that any organization accepting credit card details must comply with. Failure to meet the requirements of PCI DSS exposes a merchant to fraud, makes the merchant liable to costs resulting from breach of cardholder data and incurs higher processing fees from credit providers.

The standard defines a pragmatic set of security procedures that a merchant must meet. Section 6.6 of the standard mandates that a merchant must either perform regular security reviews of the source of all public-facing applications, or deploy and configure an appropriate web application firewall.

Zeus Traffic Manager, equipped with the Application Firewall Module is sufficient to meet the requirements of PCI DSS 6.6, along with other parts of the PCI DSS standard.

Zeus Application Firewall Module can easily be configured with additional security policies to detect and prevent attacks specific to your applications.

## Easy and risk-free deployment

Zeus' shadow mode allows new rulesets to be tested but not enforced, running alongside your existing rulesets that enforce your proven security policies. You can develop, test and deploy new security policies time and time again without ever relaxing your defences or risking false positives.

Zeus Application Firewall Module's intelligent learning mode monitors site traffic and suggests new protection rules based on observed behavior. You can review the suggestions and test them in shadow mode to ensure no false positives occur before deploying them to improve your security policies.

## What is PCI DSS?

- PCI DSS (Payment Card Industry Data Security Standard) is a pragmatic set of best practices and security measures developed by a consortium of cardholders (Visa, Mastercard, America Express etc) to reduce risk and protect cardholder data.
- Any organization (“Merchant”) handling payment card details online must adhere to the PCI DSS standard.
- One stipulation of the standard (section 6.6) states that a merchant must take steps to protect his online applications, either through regular code reviews and vulnerability scans or by the use of a Web Application Firewall such as Zeus Application Firewall Module.



## A unique combination

The combination of the Zeus high-performance, highly-resilient traffic management technology and the Zeus Application Firewall Module creates a unique solution.

Together, they secure a web application from a wide range of known and “zero-day” attacks and protect against data leaks, while accelerating and load balancing traffic to ensure that online services remain available at all times.

By combining the Zeus Application Firewall Module with Zeus Traffic Manager’s

powerful TrafficScript™, you can easily create very specific rules for how (and whether) traffic moves into, within and out of your network. You can even re-write content to ensure that sensitive data doesn’t escape.

## Investing for the future

As a software solution, Zeus Traffic Manager scales with the performance of the hardware it is deployed on, making it a sound investment when planning for future traffic growth.

Zeus Traffic Manager and Zeus Application Firewall Module can be migrated across

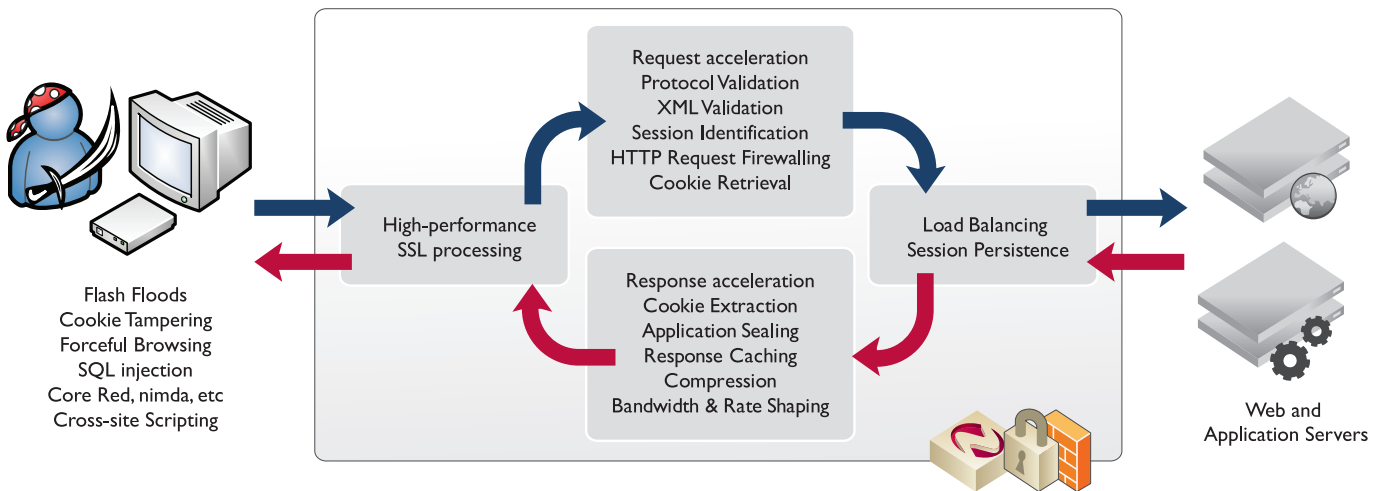
hardware platforms, can run on Virtualized server platforms and can be deployed in any infrastructure Cloud, supporting your business as you move your application from Physical, to Virtual and Cloud datacenters.

## Find out more

Further information, deployment examples and solutions can be found at [www.zeus.com](http://www.zeus.com).

To evaluate Zeus Application Firewall Module, please visit [www.zeus.com](http://www.zeus.com).

## Zeus Traffic Manager enhanced by the Zeus Application Firewall Module



*Zeus Traffic Manager, equipped with Zeus Application Firewall Module*

## What is Zeus Traffic Manager?

- Zeus Traffic Manager inspects and processes all application traffic using the bi-directional Layer-7 deep packet inspection engine built on a full application proxy.
- Sophisticated traffic management policies can be created using TrafficScript™ rules to give full control over how individual requests are managed.
- Where additional application traffic processing is required, powerful traffic management rules may be created using Java™ Extensions.
- The Zeus Application Firewall Module adds the specific capabilities necessary to protect web applications from attack in accordance with PCI DSS.

# Key features and benefits of Zeus Application Firewall Module

Zeus Application Firewall Module is a powerful web application firewall solution combining:

- **Basic and expert mode** for rapid configuration and fine-tuning
- **Simultaneous enforcement (active) and monitoring (shadow)** rulesets
- **Automatic basic protection**, enhanced by detailed custom settings
- **Proactive protection** including secure session management, cookie protection, URL encryption and form field protection
- **Twice-weekly updates to baseline protection rulesets** for common vulnerabilities
- **Automated ruleset suggestions** based on intelligent learning algorithms
- **Bi-directional HTTP inspection**; full analysis of requests and responses
- **Automatic configuration** for protection of Microsoft Outlook Web Access
- **Dashboard** provides a centralized, real-time overview of security status for all applications
- **Comprehensive statistics** and detailed log files, managed across the cluster
- **Configurable alarms** (email, HTTP POST, log file) when defined events occur
- **Export and import functions** for migration of rules from test to live systems
- **Role-based management** of multiple web applications
- **Full auditing** of all configuration and ruleset changes
- **PDF reports** of service activity and security alerts.

## Zeus at a glance

Zeus software enables our customers to create, manage and deliver exceptional online services in Physical, Virtual and Cloud environments. Implementing a Zeus solution allows organizations to visualize and manipulate the flow of traffic to their web-enabled applications, ensuring a consistently robust web infrastructure.

Zeus powers over one million website infrastructures across the world including, the BBC, BT, Comic Relief, Domino's Pizza, Gilt Groupe, ITV, I Want One of Those, Play.com, See Tickets, STA Travel and Virgin Media.

For further information, please email: [info@zeus.com](mailto:info@zeus.com) or visit [www.zeus.com](http://www.zeus.com) to contact the Zeus office nearest to you.

## WHY WAIT... DOWNLOAD A FREE SOFTWARE TRIAL

Because Application Firewall Module is pure software, you can download it free of charge and evaluate it before you buy. Technical support is also available during your evaluation.

**Web:** [www.zeus.com](http://www.zeus.com)

**Community:** [www.zeus.com/community](http://www.zeus.com/community)

**Blog:** [www.zeus.com/blog](http://www.zeus.com/blog)

**Twitter:** [twitter.com/ZeusTechnology](https://twitter.com/ZeusTechnology)



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