kemp

SOLUTION BRIEF

Securing Application Deployment

The Kemp advantage is guided false-positive analysis and out-of-the-box protection against the most common application vulnerabilities.

With cybercriminal attacks on the rise, organizations need to do more than ever to mitigate risks to their web applications. However, application security is a multifaceted and ever-changing task that needs to be applied at multiple levels of the application infrastructure.

Challenges

Businesses requiring application security and visibility are faced with the problem of balancing transparency against information noise. While many solutions offer highly granular approaches to tackling this problem, their implementation often requires considerable knowledge and expertise.

Moreover, the ever-changing and polymorphous nature of cybercrime introduces the inevitable difficulty of tackling new and unknown threats, but the traditional approach of relying on application-specific rules only targets specific vulnerabilities and does not address other malicious traffic.

Why Kemp

The Kemp Web Application Firewall (WAF) enabled as part of your network infrastructure helps deliver in-depth, defense for your web servers and applications.

The LoadMaster provides security and networking teams with a comprehensive security stack including DDoS, IDS/IPS, rate-limiting, SSL/TLS encrypting, authentication, and SSO, as well as a WAF that simplifies customization and scales on-demand across any environment.

The Kemp WAF enables you to:

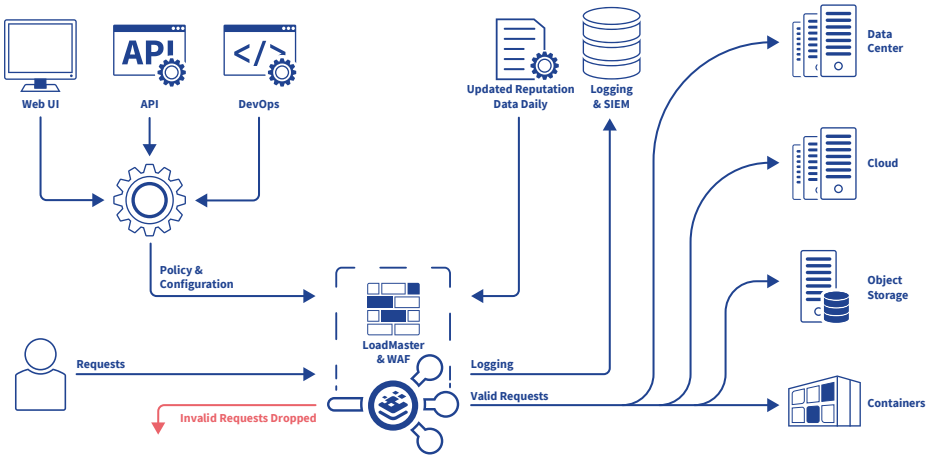
- Leverage OWASP CRS protection with support for compliance regulations such as PCI DSS, HIPAA, and GDPR
- Protect different applications with per-deployment security policies
- Employ guided false-positive analysis to fine-tune protection with customizable paranoia levels for strictness control
- Monitor attacks against your web application by using a real-time WAF log
- Enjoy a universal Application Experience across hardware, virtual, or cloud environments thanks to the

How it works

The Kemp WAF leverages the Open Web Application Security Project® (OWASP) Core Rule Set (CRS) for rule updates combined with IP reputation feeds from the Kemp Flowmon Anomaly Detection System.

The OWASP CRS is a set of generic attack detection rules to protect web applications from a wide range of attacks, including the OWASP Top 10. These rules provide a broad baseline for protection and are pre-tuned to reduce the number of false positives, being better-suited for use against new and unknown attack vectors than application-specific rules.

The guided false-positive analysis and adjustable paranoia levels enable you to fine-tune the system to minimize false positives and tailor the system's interception capability to your specific circumstances.



Thanks to incorporating the OWASP Top 10, the Kemp WAF offers out-of-the-box protection against the following security risks:

- SQL Injection
- Broken Authentication
- Sensitive Data Exposure
- XML External Entities
- Broken Access Control
- Security Misconfiguration
- Cross-Site Scripting
- Insecure Deserialization
- Using Components with Known Vulnerabilities
- Insufficient Logging & Monitoring

Main features and benefits

Updated Reputation Data for WAF and GSLB	Maximizes protection against evolving threats and latest application vulnerabilities. IP reputation list viewable from the LoadMaster UI.
OWASP Top 10 Mitigation	Out-of-the-box protection against the most web-application vulnerabilities
Anomaly Scoring and Paranoia Mode	Providing support utilizing the anomaly scoring and paranoia modes available with the CRS to better enable tuning and reducing any false positives
Real-Time per Virtual Service Logging & Extended per Country Blocking	Real-time logging of events and rules triggered whilst performing false-positive analysis makes the WAF operation more transparent. The LoadMaster UI is enhanced to allow early selection of countries to block.

The Kemp Web Application Firewall is the best baseline protection for applications out-of-the-box.

About Kemp

Kemp powers the secure, always-on application experience [AX] that enterprises and service providers demand. Kemp's load balancing, network performance monitoring, and network detection and response solutions deliver maximum value through simplified deployments, flexible licensing, and top-rated technical support. Kemp is the world's most-popular application experience solution with more than 100,000 deployments in 138 countries. Take control of your AX at kemp.ax.