

# BIG-IP Application Security Manager

## PRODUCT OVERVIEW



“F5 has really helped us become more aggressive in tuning our devices for our security needs. Now we do a much better job of blocking bad traffic while allowing valid traffic.”

Stuart Lyons, Security Engineer at Human Kinetics

## Defend Against Web Attacks and Achieve Regulatory Compliance

### Key benefits

- |   |   |  |
|---|---|--|
| · Ensure application availability by stopping attacks from any location | · Get out-of-the-box application security policies with minimal configuration | · Deploy flexibly for virtualized and private cloud environments |
| · Reduce the cost of security compliance                                | · Improve application security and performance                                | · Improve protection with external intelligence                  |

With the continued growth of web application traffic, an increasing amount of sensitive data is exposed to potential theft, security vulnerabilities, and multi-layer attacks. Protect your organization and its reputation by maintaining the confidentiality, availability, and performance of the applications that are critical to your business.

F5 BIG-IP® Application Security Manager™ (ASM) is a flexible web application firewall that secures web applications in traditional, virtual, and private cloud environments. BIG-IP ASM helps secure applications against unknown vulnerabilities, and enables compliance for key regulatory mandates. BIG-IP ASM is a key part of the F5 application delivery firewall solution, which consolidates traffic management, network firewall, application access, DDoS protection, SSL inspection, and DNS security.



## Deliver comprehensive security

BIG-IP ASM blocks web application attacks to help protect against a broad spectrum of threats, including the most sophisticated application-level DDoS and SQL injection attacks. It also helps secure interactive web apps that use the latest development methodologies, such as AJAX widgets, JSON payloads, and the Google Web Toolkit. Advanced DAST integrations can scan web apps and coordinate with BIG-IP ASM to patch vulnerabilities in minutes. By integrating contextual information about incoming IP addresses and IP Intelligence service databases, BIG-IP ASM secures applications against constantly changing threats.

## Achieve compliance cost-effectively

Advanced, built-in security protection and remote auditing help your organization comply with industry security standards,

including PCI DSS, HIPAA, Basel II, and SOX, in a cost-effective way—without requiring multiple appliances, application changes, or rewrites. Detailed PCI reporting determines if PCI DSS compliance is being met while guiding administrators through the necessary steps to become compliant.

## Get out-of-the-box protection

Equipped with a set of pre-built and certified application security policies, BIG-IP ASM gives you out-of-the box protection for common applications such as Microsoft Outlook Web Access, Oracle E-Business Financials, and Microsoft Office SharePoint. A rapid deployment policy secures any internal or custom application.

## Improve application performance

Achieve both security and performance. The F5 TMOS® architecture provides significant performance advantages, including SSL

offload, caching, compression, TCP optimization, and more. BIG-IP ASM is part of the F5 application delivery firewall solution—a portfolio of networking and security modules designed to protect network and application infrastructure. Integration with BIG-IP® Advanced Firewall Manager™ enables protection from DDoS and other network attacks. BIG-IP® Local Traffic Manager™ integration ensures application infrastructure efficiency and peak network performance. And because BIG-IP ASM works on the same platform with other BIG-IP® modules, you can benefit from centralized, secure access control and even greater performance improvements.

## Deploy flexibly

BIG-IP ASM is available across the entire family of F5 platforms, from the virtual editions (VE), which protect virtual private cloud applications, to BIG-IP appliances and VIPRION multi-line-card chassis.

## BIG-IP ASM features

### Security and implementation

- Geolocation-based blocking
- Integrated XML firewall
- DataGuard™ and cloaking
- OneConnect™ aggregates requests to connections
- Live update for attack signatures
- Web scraping protection
- Data center firewall solution
- Application policy templates
- ICAP support for SMTP and SOAP files
- BIG-IP modules layering
- Session-based enforcement and reporting
- Advanced vulnerability assessment integrations with limited free scans
- Better threat protection with external IP Intelligence (optional feature)
- Application security in the private cloud
- PCI reporting
- Violation correlation of incidents

### Performance and configuration

- SSL offload
- Caching and compression
- iRules® and Fast Cache™
- TCP/IP optimization
- L7 Rate Shaping™
- iApps™ for pre-configured policies
- Application visibility and reporting

### Comprehensive attack protection

- Cross-site request forgery
- Layer 7 DDoS
- Cross-site scripting
- SQL injection
- Parameter and HPP tampering
- Session hijacking
- Cookie manipulation
- Forceful browsing
- XML bombs/DoS

## Learn more

For more information about BIG-IP ASM, use the search function on [f5.com](#) to find these resources.

### Datasheets

- [BIG-IP Application Security Manager](#)  
[BIG-IP Add-On Modules](#)

### White papers

- [Protecting Against Application DDoS Attacks](#)  
[Vulnerability Assessment with App Security](#)  
[Complying with PCI DSS 2.0](#)

### Case study

- [Human Kinetics Boosts Website Performance, Security, and Innovation with F5 Solution](#)

### Article

- [SC Magazine, 2012 Recommended Product and Five Star Rating for Web App Security](#)