

## USE CASE

# F5 and AWS: Increase Innovation Without Sacrificing Security

## The Challenge

Application technology is developing at a rate like never before. But as your DevOps team creates more innovative solutions, attackers are developing ways to exploit vulnerabilities in your libraries, frameworks or even the code itself. In 2014, over a billion personal and sensitive records were compromised—that's around 3 million per day<sup>1</sup>. So how do you continue to push the boundaries of application innovation while protecting corporate and client data?

## The Solution

By implementing a Web Application Firewall (WAF), you can add a stronger layer of defense between attackers and your data, regardless of whether your applications are deployed on-premises or in the cloud. A WAF monitors HTTP requests and responses at the application layer. By evaluating the traffic in the context of individual user sessions, a WAF can detect and block application-layer attacks that often slip past other defenses.

A WAF also lets you to protect and virtually patch your applications—so fixes can be incorporated into planned sprints rather than forcing emergency coding sessions. Advanced systems, such as BIG-IP Application Security manager (ASM), also protect against screen scraping and layer 7 Denial of Service (DoS) attacks, while promoting Data Loss Prevention (DLP).



**“We paired F5 with AWS to build a solution that not only met the web team’s agility needs, but also fulfilled our corporate security requirements.”**

–Chris MacKinnon, Network/Security Analyst, Alberta Motor Association

[Read the Case Study](#)

## Benefits of F5 BIG-IP Application Security Manager

- Protects against OWASP top 10 threats, application vulnerabilities and zero-day attacks
- Detects sophisticated attacks before they reach your application
- Provides rich statistics and analytics you can integrate into your reporting or alerting systems
- Simplifies deployment by combining simple templates with powerful tools

## Go Virtual with BIG-IP ASM and AWS

BIG-IP ASM is available as a virtual edition through the AWS Marketplace. It’s the same software available for on-premises deployment, designed to protect your AWS applications. The same settings, configurations, tools, skills and monitoring systems carry across all environments, lowering your operational costs and improving quality.

### Flexible Licensing Models:

**Pay as you go** gives you more flexibility and helps you reduce your overall consumption requirements without sacrificing performance or acceleration.

**Annual subscriptions or Bring-Your-Own-License (BYOL)** are more predictable and cost-effective options for workloads with steady-state traffic.

**Volume Licensing Subscriptions (VLS)** provide a cost-efficient way to purchase licenses in 1- or 3-year subscriptions.

[Visit the Amazon Marketplace for a Free Trial](#)

---

<sup>1</sup> <https://www.riskbasedsecurity.com/2015/02/2014-data-breaches-a-billion-exposed-records-a-new-all-time-high/>



## USE CASE

F5 and AWS: Extending Enterprise Security Policies to Cloud Applications



## USE CASE

F5 and AWS: Simplify and Manage Access to Your Apps in AWS and Other Application Environments

### Included in this use case:

BIG-IP

BIG-IP Virtual Editions

BIG-IP Application Security Manager

**Best for:** DevOps

∨ ABOUT F5

∨ EDUCATION

∨ F5 SITES

∨ PREFERENCES

∨ CONNECT WITH US

