Key benefits

• Get comprehensive real-time protection beyond Open Web Application Security Project (OWASP) Top 10 Web Threats for a constantly changing web application threat landscape.

• Deliver compliance-proofing with blocking mode out-of-the-box.

• Minimize operations overhead and false positives associated with fast-paced, modern applications via Dynamic Profiling’s positive security model.

• Combat growing modern threats from advanced bots to application programming interface (API) security.

• Access to advanced customized configurations and reporting to align with organizations scaling and development needs.

• Minimize alert fatigue and streamline threat mitigation with actionable insights from Attack Analytics.

• Gain access to Imperva’s Application Security, safeguarding applications anywhere with Advanced Bot Protection, Distributed Denial of Service (DDoS) protection, API Security, and Runtime Application Self-Protection (RASP) with actionable security insights.

Product overview

Organizations are facing increasing web threats during their digital journeys into the New Norm. Protect all your web applications and APIs, whether they reside in the cloud or hybrid environments, from modern threats intelligently with Imperva’s Web Application Firewall Gateway.

Product features

Dynamic profiling
Patented technology automates the process of profiling applications and building a baseline or “whitelist” of acceptable user behavior.

ThreatRadar
Premier threat intelligence feed offering the latest, real-time reputation of traffic source.

Advanced bot protection
Stop automated attacks with machine learning, then collect and analyze your bot traffic with smarter controls for accuracy.

Attack Analytics
Continuously safeguard your applications by obtaining:

• Actionable narratives from the collection of multiple security alert sources to enhance security posture.

• Ensuring high performance even during the defense of emerging treats.
How it works

Web Application Firewall (WAF) Gateway for AWS is the first enterprise-class web application firewall tailored specifically for Amazon Web Services. Running natively in AWS, and leveraging all its capabilities, WAF Gateway for AWS scales on-demand with AWS applications. It applies multiple defenses and correlates reports to offer laser-accurate attack detection and actionable insights. Certified by ICSA Labs, WAF Gateway for AWS addresses Payment Card Industry (PCI) and provides ironclad protection against the OWASP Top Ten, including Structured Query Language (SQL) Injection, cross-site scripting (XSS) and cross-site request forgery (CSRF).

Differentiators

• **Security-first Solution Built on Modern Technology** – With a security DNA, Imperva fights modern threats and protects modern application development with the latest technologies from Dynamic Profiling’s automation to machine learning (ML)-Powered Advance Bot Protection. Threat reports and real-time mitigations are constantly updated by Imperva Research Labs.

• **Fast and Flexible Deployment Options** – Imperva WAF offers organizations automated, adaptable security and easy out-of-the-box deployment into AWS with full support for elastic load balancing and CloudFormation.

• **Cost-optimized Protection with Real-time Intelligence** – Patented Dynamic Profiling Technology streamlines management and lowers operations costs by learning application changes over time. Combined services of ThreatRadar and Attack Analytics offer the latest cybersecurity feeds and insights to protect against the latest cybercriminals.
DigiCert automates protection of their AWS environment with Imperva

**Challenge**
As their usage of AWS grew, DigiCert realized they needed a new security solution. To eliminate management complexity, DigiCert wanted a solution from a single provider that delivered both WAF protection and DDoS mitigation across their entire hybrid environment.

**Solution**
DigiCert implemented Imperva to protect their hybrid environment. They were already using Imperva’s WAF to protect their on-premises applications. By expanding their usage of Imperva, DigiCert was able to extend protection to AWS and maintain their security posture both during and after migration.

**Benefits**
- Eliminated need for chasing false positives
- Greatly reduced the risk of application outage
- Provided more seamless protection of applications
- Quickly discovered suspicious activity and eliminated threats

“We’re paying a small price to avoid lost business and bad customer experiences. The ROI of Imperva is simple to calculate, because any downtime is lost revenue for DigiCert, and we know exactly how much revenue we generate every day. We’re paying a small price to avoid lost business and bad customer experiences.”

Aaron Blakeley, Dir. of Global Security Ops, DigiCert

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**Imperva Virtual Appliances for Amazon Web Services**

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<th>AV6500</th>
<th>AV2500</th>
<th>AV1000</th>
<th>AVM150</th>
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<td>Web Application Firewall, Database Activity Monitoring, Database Firewall</td>
<td>Web Application Firewall</td>
<td>MX-Management Server, SMM-Security Operations Managers</td>
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**MINIMUM AWS INSTANCE TYPE FOR EACH GUEST IMPERVA APPLIANCE**

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<th>AV6500</th>
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**IMPERVA APPLIANCE FOR AWS TECHNICAL DETAILS**

<p>| | |</p>
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<tr>
<td>AWS Service Integration</td>
<td>EC2, CloudFormation, CloudWatch, VPC, AutoScale (WAF only)</td>
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<td>Delivery Method</td>
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Solution available in [AWS Marketplace](https://aws.amazon.com/marketplace/)
Imperva Data Points

- 38 of Fortune 100
- 8 of Top 10 Global Telco
- 33 of Top 50 Global Banks
- 6,200+ Customers Worldwide

Additional Resources

- WAF Gateway Capability Brief
- Imperva Virtual Appliances Datasheet
- Imperva, AWS Blog
- WAF Gateway Product Video

~Imperva recognized as a 7-time Leader in the Gartner Magic Quadrant for WAF.~

Solution available in AWS Marketplace