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Imperva SecureSphere for AWS

Benefits

- Protects data in AWS and Amazon Relational Database Services (RDS) by monitoring database activity and responding to policy violations
- Streamlines meeting compliance mandates with granular activity logging and detailed reporting
- Protects web apps in AWS by accurately pinpointing and blocking attacks without blocking your customers
- Virtually patches website vulnerabilities to eliminate costly and time-consuming emergency code fix processes
- Auto scales security with your application so you can fully leverage the benefits of the AWS Cloud
- Accelerates deployment with AWS CloudFormation templates

aws partner network

Protect Data and Ensure Compliance in the AWS Cloud

Organizations all over the world are migrating their IT infrastructure to the cloud. And it's easy to see why. Cloud computing enables organizations like yours to avoid the time and expense of building an on-premise data center. With cloud computing, you can deploy new applications faster, scale your application deployments on demand, and lower operational costs.

If your organization plans to move applications to the cloud, you need to ensure your compliance, application, and data defense solutions can still protect you there. Otherwise, your organization is exposed to web attacks, data theft, and failed audits. Moreover, the cost savings you hoped to realize from cloud computing will evaporate— replaced by expensive breach investigation costs, downtime, and lawsuits.

SecureSphere for Amazon Web Services (AWS)
Protects Applications and Data in the AWS Cloud

SecureSphere Web Application Firewall (WAF) for AWS provides the industry's leading WAF technology to protect web apps. It combines multiple defenses to accurately pinpoint and block attacks without blocking your customers. Imperva Dynamic Profiling technology automatically builds a "white list" of acceptable user behavior. Imperva Correlated Attack Validation correlates Dynamic Profiling violations with other suspicious activity to block attacks with laser-like precision. SecureSphere is certified by ICSA Labs, satisfies PCI 6.6 compliance, and provides ironclad protection against the OWASP Top Ten.

SecureSphere Data Activity Monitoring and Database Firewall provide real-time data protection and automation of compliance auditing for databases running natively on AWS or in Amazon RDS instances. SecureSphere data protection solutions help organizations reduce risk and streamlines compliance by enabling organizations to leverage common infrastructure, and thus common processes across hybrid environments where data assets reside, both in AWS and on-premises.

SecureSphere for AWS is specifically designed to leverage native AWS infrastructure capabilities, such as AWS CloudFormation, to deliver superior security capabilities and AWS deployability and manageability. SecureSphere for AWS Amazon Machine Images (AMIs) are published on AWS Marketplace. SecureSphere AWS provides a "bring your own license model" (BYOL) and SecureSphere WAF for AWS is also available on-demand with hourly pay-as-you-go pricing. This keeps costs under control by allowing quick spin-up and spin-down of SecureSphere WAF instances as you experience variations in application traffic.

With Imperva SecureSphere for AWS, organizations can protect databases and applications hosted in multiple Availability Zones to maximize uptime and to provide a better user experience to customers in every corner of the globe.
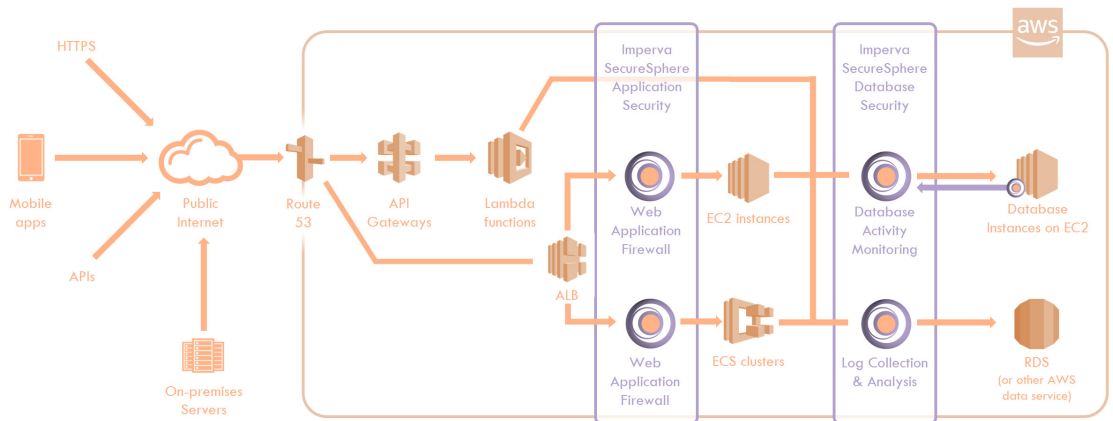
Protect Web Apps in the Cloud with Best-of-Breed Security

SecureSphere WAF for AWS provides your business with a practical, highly secure solution to prevent web attacks without blocking your customers. SecureSphere incorporates patented technologies that boost web security accuracy and automate management. As the market-leading web application firewall, more organizations rely on SecureSphere to protect their critical web applications than any other solution.

Protect Data and Meet Compliance Mandates

SecureSphere Database Security Solutions for AWS will find and classify sensitive data in AWS hosted databases and analyze all database activity in real-time, providing organizations with a proactive security enforcement layer and detailed audit trail that shows the "who, what, when, where, and how" of each transaction. SecureSphere audits privileged users who directly access the database server, as well as non-privileged users accessing the database through a browser, mobile, or desktop-based application. Multi-action alerts, help to prioritize policy violations that might indicate a non-compliance risk or potential data breach. All audit activity is preserved and available for on-demand reporting or forensics.

Enjoy Fast Deployment with AWS CloudFormation

By supporting AWS CloudFormation, you can quickly and easily roll out your SecureSphere for AWS deployment. With CloudFormation, you can provision SecureSphere for AWS in minutes using simple JSON-based templates.

Autoscale SecureSphere WAF On-demand

By integrating with Amazon CloudWatch, you can track the status of SecureSphere WAF instances and view resource utilization and performance metrics. CloudWatch also detects problems like a sudden spike in throughput or high CPU utilization and can automatically spin-up new SecureSphere WAF instances as needed. By supporting Amazon CloudWatch, SecureSphere WAF for AWS helps deliver a single point of visibility into the security, health and performance of your AWS deployment.

SecureSphere Cyber Security

Imperva SecureSphere is a comprehensive, integrated security platform that includes SecureSphere Web, Database and File Security. It scales to meet the data center security demands of even the largest organizations, and is backed by Imperva Application Defense Center, a world-class security research organization that maintains the product's cutting-edge protection against evolving threats.

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Automate Disaster Recovery

Using AWS, you can ensure business continuity, even in the event of a natural disaster or site outage. With cloud data centers located around the world, Amazon makes it easy for customers to failover server instances to new physical sites. SecureSphere WAF integrates with key AWS technologies to reroute traffic to different Availability Zones and to support disaster recovery plans.

Cloud Security for Government Agencies

SecureSphere Web Application Firewall is available on AWS GovCloud, to enable government agencies to quickly and easily migrate sensitive apps/lications to the cloud.

SecureSphere for AWS Models

PERFORMANCE	AV2500	AV1000	AVM150
Supported SecureSphere Product	Web Application Firewall[1] Database Activity Monitor[2] Database Firewall[2]	Web Application Firewall[1]	MX Management Server
Throughput	Up to 500 Mbps	Up to 100 Mbps	Not Applicable
MINIMUM REQUIREMENTS FOR EACH SECURESPHERE FOR AWS INSTANCE			
Minimum AWS Instance Type	M3 Extra Large	M3 Large	M3 Extra Large
SECURESPHERE FOR AWS TECHNICAL DETAILS			
AWS Service Integration	EC2, CloudFormation, CloudWatch, VPC, AutoScale (WAF only)		
SecureSphere Operating System	CentOS version 6.3		
Delivery Method	64-bit Amazon Machine Image (AMI)		

1. SecureSphere WAF for AWS supports SecureSphere OS 10.5 or later

2. SecureSphere DAM and DBF for AWS support SecureSphere OS 11.5 or later

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