

# Web Application Security that Ops Can Get Behind

Operations teams are the heroes of modern application deployment, as the focus on uptime and performance keep businesses running well. Yet security teams are put in the difficult position of recommending products for operations to deploy that have unclear impact on uptime and performance. Security needs to assure the business that the site won't crash or slow to a crawl, or else operations won't deploy.

As one of the first teams to go through the shift to the cloud and DevOps, we understand this position well. We designed Signal Sciences with operations in mind to help customers quickly and successfully deploy across their complex environments to gain immediate defense and visibility.



“ We have confidence to continue moving forward as fast as we can because we now have the same awareness on the security of our applications as we have always had on the operational performance. ***We can diagnose, triage, and solve security problems just like we would any other operational problem.*** ”

**Ben Rockwood**, Director of Engineering at Chef

## BENEFITS

- Deploy everywhere
- Keep apps and APIs running fast
- Scale elastically with your business
- Provide clear operational and performance metrics
- Surface operational KPIs and issues faster
- Unify management across mix and match environments, domains, and more

## Operations Wins with Signal Sciences

### Deploy everywhere

No matter how your application is deployed, we can protect it. We deploy into any infrastructure or application and can cover any architecture—from datacenter to PaaS to containers and microservices.

## Keep apps and APIs running fast

We designed our software so it doesn't add bottlenecks or single points of failure to your systems. Our patented module-agent architecture fails open and connects asynchronously with our cloud decision engine which means your uptime, availability, and communication function as if we weren't even there.

## Scale elastically with your business

Our software is installed within your web servers or applications, so it goes wherever your applications are. Scale up to hundreds or thousands of containers or cloud instances—then back down—without any additional licensing based on CPU usage or instance count.

## Provide clear operational and performance metrics

We built our agent to expose metrics that operations teams rely on, from CPU and memory usage to how much delay the agent adds to each request (usually between 1 to 2 milliseconds). We also built API endpoints for these metrics to pull into systems your operations teams already use. Other WAF and RASP vendors don't have

APIs for these metrics, and provide little detail in their UI, with some documenting 2x latency on the roundtrip from request to decision.

## Surface operational KPIs and issues faster

When you see how applications are used by customers, you're better able to make data-driven decisions. Our software can monitor any business logic that is unique to your individual application. For example, you can view number of transactions per minute, checkouts per hour, discount codes used, and so on. Plus, detailed source data around internal service-level agreements (SLAs)—large response times, sizes, errors, even broken links in the code—helps teams triage issues faster.

## Unify management across mix and match environments, domains, and more

Operations needs to make architecture changes work, and we allow security to easily adapt. If your business acquires a company, merges sites or applications, or switches to containers and microservices, Signal Sciences has deployment options to provide you complete coverage that are easy to install.

We've seen something incredible with our users at Signal Sciences. Overcoming operational deployment hurdles has allowed us to protect apps and show valuable security data and metrics that all teams want to see and use. More than half of all Signal Sciences users are outside of security in DevOps, SecOps, engineering, architecture, helpdesk, and product roles.

