Signal Sciences

Power Rules

A powerful platform with an intuitive user-interface to define, monitor, and take action on any web application or API transaction, providing protection beyond OWASP injection attacks

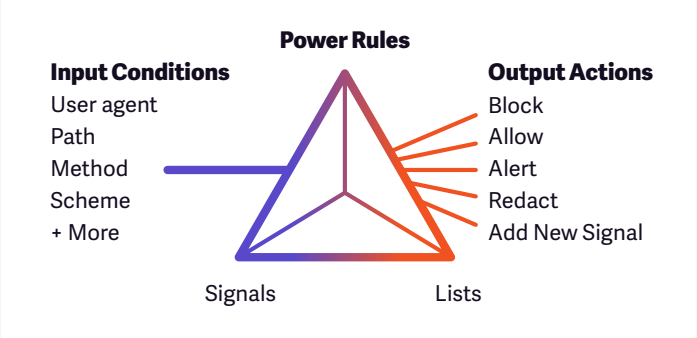
SUMMARY

Power Rules automate actions based on defined Signals and conditions, and require no regexes or knowledge of scripting languages.

Signal Sciences automates coverage against OWASP injection attacks out of the box by utilizing SmartParse, our proprietary detection technology, without any signature configuring or tuning. For advanced coverage of today's unique, complex application logic abuse and attacks, Power Rules are easy to set up and provide unparalleled flexibility and customization to protect your web applications and services. With Power Rules, there are no regexes to tune and no complicated rules or scripting language to learn or manage.

See: Start with Signal Visibility

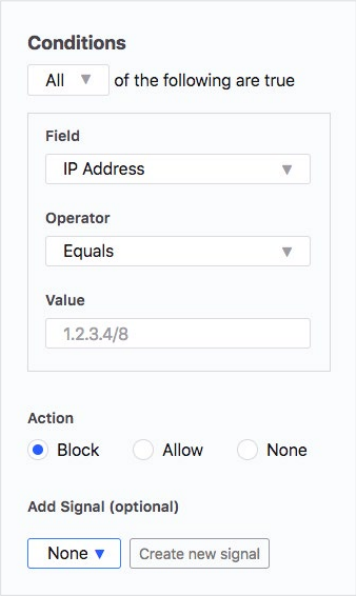
Power Rules enable you to gain visibility into application logic attacks like feature abuse and misuse, account takeover (ATO) attempts, bad bot activity, and more. By using our intuitive user-interface in the Console (also configurable via API), you can define your own application-specific Signals with inputs selected from drop-down menus, including user agent, path, method, scheme, post or query parameter, request cookies, and more. Signal Sciences Console displays your unique Signals on time-series dashboards for easy monitoring. The Console also offers several templates for popular login and registration workflows to apply Signals to failed and successful attempts, which form the basis of account takeover detection.



Secure: Trigger Automated Actions

Define conditions and thresholds using Signals to trigger actions to alert and block malicious and anomalous application traffic specific to your web applications and services. Alert triggers automate push notifications to Slack,

PagerDuty, Datadog, Splunk, and more. For some actions, you might just want alerts, such as when you exceed a set threshold for TOR traffic; for others, you can set the Power Rule to alert and block, such as surpassing a threshold of failed login attempts.



Scale: Augment Signal Visibility with Lists

Using lists, you can augment Signal visibility and trigger conditions with your own trusted data sources. Lists allow you to parameterize Rules with business data you have collected, such as IPs, user agents, countries, wildcards, and more.

Outright Blocking

Basic functions like whitelisting, blacklisting and virtual patching for application CVEs are also configurable using Power Rules drop-down menus in the user-interface as well as via API.

Power Rules are included with your Signal Sciences license.

USE CASES

- Protection against account takeover, brute force, and credential stuffing attacks
- Visibility and blocking of application and feature abuse for orders, transfers, queries, and more
- Request rate limiting
- Data privacy with redaction of sensitive fields
- Auto-blocking OFAC traffic
- CVE coverage for zero-day exploits

Any App

Cloud, Containers, PaaS, and Serverless

Web Servers and Languages

Gateways and Proxies

Any Attack

OWASP Top 10

Application DoS

Brute force attacks

+ MORE

Any DevOps Toolchain

Slack

Splunk

Datadog

SIEM/SOC tools via APIs

Webhooks

+ MORE