



Fastly Next-Gen WAF (formerly Signal Sciences WAF)

Detection Strategy Guide

June, 2025

Product Overview

Next-Gen WAF (Web Application Firewall) is an agent-based web application firewall that integrates with most popular web services, such as Apache and nginx, and tags web requests based on their content. When an IP address meets a defined threshold of accumulated malicious tagged events, the product flags the offending IP address. If the Agent mode is set to "Blocking," it logs the requests and also blocks them from reaching your web servers.

Detection Strategy for Network Integrations

Detection

Network traffic monitoring is a critical element of our detection strategy, offering insight into the activity of data as it moves across an organization's systems. The network traffic data source focuses on network connection creation (the initial construction of a network connection such as socket information, and src and dst IP and Ports), network traffic content (logged network traffic data showing both protocol header and body values like PCAP), and network traffic flow (summarized network packet data, with metrics, such as protocol headers and volume like netflow or http logs).

We pull this information into our detection pipeline as events in the form of both security alerts and raw telemetry (depending on the integration). When a threat is detected, our automated response bot, Ruxie, takes action by enriching evidence fields with first- and third-party threat intelligence. Additional Ruxie actions query a wide span of technologies directly to arm analysts with key pieces of investigative information and related events.

Response

Network technologies are utilized for support across many types of Expel Alerts such as endpoint and cloud. The main focus of the response strategy is on source IP, destination IP, and domain tracking to identify related connections, along with user activity summaries to give extra alert context.

To learn more about our overall approach to detection strategy, see [About Detection Strategy](#) in the Help Center.

What We Support for Fastly Next-Gen WAF

To see a comprehensive list of the most up-to-date Expel detection rules, vendor detection rules, opt-in detections, and available DUETs (**did you expect this**) that we support for Fastly Next-Gen WAF, you can visit the [Detections page](#) in Workbench or ask your Sales or Support rep for the most recent download.

Fastly Next-Gen WAF detection rules support	No.
Detection rules written by Expel	No.
Remediation support	Yes. We offer a full suite of remediation actions for this integration, and use our expertise to determine which ones are most appropriate for your specific incident. For a detailed list of <i>all possible</i> remediation actions, contact your Sales or Support rep.
Investigative support through Workbench	Yes. We are able to take the following investigative actions to gather data for triage and investigation of events. <ul style="list-style-type: none"> ■ Query IP ■ Query URL ■ Query Domain
Hunting support	No. Hunting is not currently available for this integration.

Additional Details and Common Questions

Console Access

A vendor alert does not typically include all of the contextual timeline activity surrounding the event of interest. Because this integration does not allow us to get all necessary data via the API, we will ask you for a certain level of console access during onboarding.

The level of access that we require is meant to support essential triage and research activities, and to help us determine the vector and extent of attacker activity for an identified threat. At minimum, we will ask for visibility into alert data, timeline events recorded, and live response/real time response shell (if applicable).

DUET

A DUET (**did you expect this**) rule flags certain events as needing an immediate verification or notification, and bypasses the normal internal event triage process. The events subject to DUET rules contain behaviors that are not typically indicative of true security incidents, as they are related to policy violations or *potential* risk.

There are a number of workflows that a DUET may follow. When enabled, the activity will be flagged for investigation and will be routed to you (rather than to us) to take a specified first action. To see the specific DUET rules currently supported for this integration, visit the [Detections page](#) in Workbench.