

SOLUTION BRIEF

Fortinet and Fastvue Monitoring and Reporting Solution

Online Safety Monitoring and Simplified Network Visibility

Executive Summary

Fortinet and Fastvue have partnered to provide unprecedented visibility into internet usage and network security with easy-to-read reports and alerts sent to those who need them. Fastvue Reporter for FortiGate helps businesses, schools, and IT teams safeguard students online, detect insider threats, free up IT resources, and improve workplace productivity.

The Challenge

IT teams often face the challenge of collecting and deciphering a clear picture of a user's online activities. This is particularly difficult when using data logged by the organization's firewall, which can be overwhelming and hard to interpret.

Firewalls log everything, and log data sets can include many non-relevant URLs from content delivery networks, background ad networks, and tracking scripts. This can make it challenging to answer common questions, such as how long a video was watched or whether suspicious searches were done.

Additionally, investigating a user's online behavior is rarely a job for IT admins. Such inquiries typically come from management, human resources, and designated safeguarding leads. Wouldn't it be better if these roles had access to the information they needed without requiring IT to run reports or dig into logs for them?

Joint Solution

Fastvue and Fortinet have partnered to deliver an industry-leading security solution to address these challenges.

Fortinet FortiGate NGFWs log extensive information about internet and network activity across various log files, including traffic, web filtering, application control, and more.

Fastvue Reporter simplifies and enriches log data from FortiGate NGFWs, removing clutter and highlighting critical online activities. It quickly informs IT, managers, and HR, safeguarding teams with easy-to-read alerts and reports. This means IT admins spend less time on tasks that aren't theirs, making everyone's job easier.

Fastvue Reporter for FortiGate includes:

Clear, comprehensive reports

Everything you need to know about user activity, security issues, and network use is quickly scheduled each day, week, or month.

Critical, real-time alerts

Instantly detect users searching for self-harm, inappropriate or extremist topics, large downloads or uploads, network threats, and more, and notify the people who need to know.

Solution Components

- Fortinet FortiGate Next-Generation Firewall (NGFW)
- Fastvue Reporter

Solution Benefits

- Keep children safe online with safeguarding reports and alerts
- Detect insider threats with clear visibility into user and network activity
- Meet security and compliance requirements with greater visibility into online activity
- Free up IT resources with simple reports sent directly to managers and well-being staff
- Improve workplace productivity by identifying time-wasting sites and apps
- Leverage the Fortinet FortiGate NGFW and the Fortinet Security Fabric for unparalleled security protection



Site Clean

Fastvue's unique Site Clean technology lets you see what websites are being browsed without advertising, ugly content delivery networks, or other unnecessary noise cluttering the reports.

Keywords

Fastvue's extensive, customizable, and continuously updated keyword database flags suspicious activity related to suicide and self-harm, extremism and radicalization, racism, drugs, pornography, and profanity—without false positives.

Productivity

Productive vs. unproductive. Acceptable vs. unacceptable. Create tailored guidelines that assess your users' browsing so you can discover risky online behavior, identify lost productivity, or reward good digital citizenship.

YouTube monitoring

Clever keyword matching on YouTube titles lets you quickly discover videos that may be inappropriate in your organization. You can also see who spent time watching them and for how long.

Report on user groups

Easily segment and schedule reports for any user group. Department heads can receive web usage reports highlighting suspicious searches, unacceptable websites, and YouTube videos watched.

Dashboards

See what's happening on your network right now. Real-time dashboards focus on network concerns: bandwidth, productivity, and security.

Solution Components

Fastvue Reporter Server

Fastvue Reporter for FortiGate is self-hosted and must be installed on a machine (or virtual machine) that meets the requirements outlined [here](#). Fastvue Reporter is available as Windows Server software or as a Linux Docker image. Fastvue Reporter supports all versions of FortiGate NGFWs. Web filtering must be enabled, and deep packet inspection (DPI) is recommended to log full URLs. Without DPI, you cannot report on searches or videos, and the Site Clean feature will be less effective.

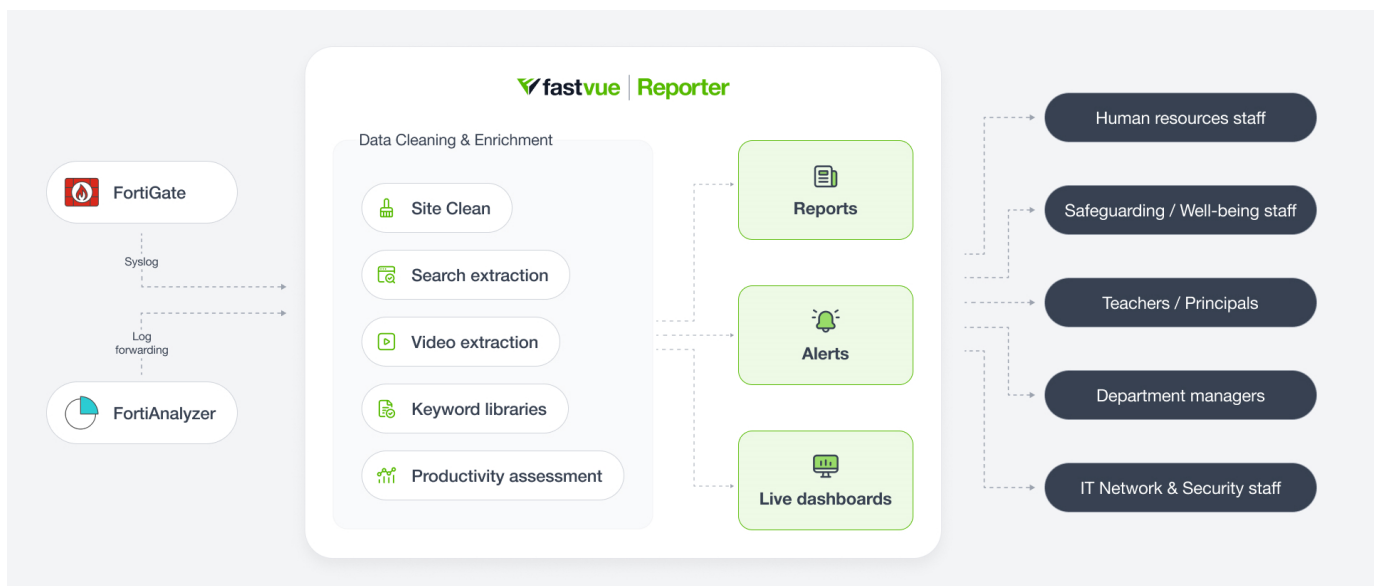


Figure 1: Fastvue Reporter integration with FortiGate NGFW or FortiAnalyzer

Fortinet FortiGate NGFW

FortiGate NGFWs provide industry-leading threat protection and decryption at scale with a custom ASIC architecture. They also deliver Secure Networking with integrated features like SD-WAN, switching and wireless, and 5G. Converge security and networking point solutions into a simple-to-use, centralized management console powered by a single operating system, FortiOS, and simplify IT management.

Solution Integration

Fastvue Reporter for FortiGate consumes syslog data sent directly from Fortinet FortiGate NGFWs or forwarded by Fortinet FortiAnalyzer. It combines data from traffic, web filtering, and application control into unified events using session IDs across different log types.

Joint Use Cases

Education: Safeguard students online by monitoring your school's internet usage for students accessing self-harm, extremist, or inappropriate online content. This is perfect for meeting government guidelines such as the U.K.'s Keeping Children Safe in Education and PREVENT legislation or meeting duty of care requirements.

Local government: Monitor searches, videos, and websites accessed to ensure the safety of people using public internet access points such as libraries. Easily provide information to authorities on request.

Business and government: Detect insider threats and increase workplace productivity with automated, management-friendly internet usage monitoring, reports, and alerts.

IT teams: Reduce troubleshooting time and get superior insights into bandwidth, security, and firewall policy issues.

About Fastvue

Fastvue's mission is to make it easy for you to quickly and efficiently answer common questions about user internet activity, network performance, and security issues without needing expensive and cumbersome log analysis tools. Our innovative solutions eliminate the frustration and cost of traditional log analysis methods, helping you answer the question, "What's happening online?" in the easiest way possible. Fastvue's fully remote, distributed team of experts in Australia, the USA, and the U.K. are focused on taking the complexity out of log analysis and producing simple, easy-to-use products that solve real-world problems.



www.fortinet.com