INTEGRATION BRIEF

FireMon + Palo Alto

Comprehensive firewall policy management for multi-vendor hybrid environments

Enterprise network environments are becoming increasingly complex, with a steady stream of new devices, applications, and cloud services spanning multi-vendor ecosystems. Traditional and manual tools cannot keep pace, making firewall and security policy management increasingly challenging, inefficient, and error prone. Organizations with advanced compliance requirements need a solution that goes beyond basic policy management to provide real-time compliance violation detection, reporting, and alerts, ensuring continuous adherence to internal security mandates and external regulatory standards. FireMon Policy Manager is an essential tool for Palo Alto users operating in multi-vendor environments, delivering advanced compliance automation, full lifecycle rule management, and real-time visibility to detect and remediate compliance violations before they create security risks. By integrating policy automation, continuous monitoring, and intelligent risk assessment, FireMon eliminates policy-related risk, streamlines rule changes, and ensures ongoing compliance enforcement across complex network infrastructures. .

Firewall Policy Management Challenges

Managing firewall policies poses several challenges for organizations, including high-risk vulnerabilities within the policies, reducing turnaround time for policy changes, and ensuring compliance with internal and external standards. Additionally, organizations may need to migrate policies to Palo Alto devices or the cloud and manage policies that span multiple devices from different vendors. Overcoming these challenges requires an intelligent, automated solution capable of handling the full lifecycle of firewall policies while ensuring compliance, risk reduction, and security alignment.

The FireMon Solution for Palo Alto

FireMon's Policy Manager network security policy management platform (NSPM) enables organizations to effectively manage the complexity of firewall policies to:

Highlights

— Find high-risk vulnerabilities embedded in firewall policies

— Avoid misconfigurations and reduce turnaround time for firewall policy changes

— Full rule lifecycle management that automates rule recertification, removal, and modification to maintain compliance

— Seamless ITSM integration for automating compliance workflows

— Multi-vendor firewall policy support, centralizing security policy enforcement

— Achieve and maintain compliance with internal and external standards

— Migrate firewall policies to Palo Alto devices and the cloud

— Manage rules and policies that span Palo Alto and devices from other vendors

— Enhanced API and data accessibility, providing a single source of truth across the entire network

Reduce Policy-Related Risk

— Real-time risk evaluation and alerts detect and immediately notify teams of vulnerabilities in the environment

— Risk and threat modeling evaluates the impact of exploits and displays recommended patches

— Risk guardrails review proposed policy changes to ensure new risks aren't introduced

— Vulnerability scanner integrations give deeper insight into policy-related risks

Manage Firewall Rule Changes

— Real-time change monitoring detects new and changes to existing policies

— Automated change workflows that span the entire rule creation and change process

— Policy change automation recommends rules and optionally can deploy them to devices across the network

Achieve and Maintain Compliance of Firewall Policies

— Consolidated compliance reporting takes only minutes to produce accurate reports

— Built-in reports for standards including PCI-DSS, NERC-CIP, NIST, and GDPR

— Real-time violation detection identifies policy violations in existing rules and catches new ones before they are deployed

— Rule recertification workflows automate rule reviews and recertification

— Assess and enforce compliance against internal and external standards across your entire environment, including routers, switches, and more

— Rule recertification workflows automate policy reviews and ongoing compliance maintenance

Firewall Policy Migration to Palo Alto Devices or to the Cloud

— Transfer firewall rules and policies from existing firewalls to Palo Alto devices and/or the cloud

— Centralized policy management simplifies rule review, cleaning, and staging for migration

Multi-Vendor Firewall Policy Management

— Direct integrations with ITSM, automating compliance workflows into change management processes

— Automate full rule lifecycle management, reducing manual overhead and security gaps

— Policy-based automation ensure rules are modified or removed to maintain compliance

FireMon Policy Manager Key Features

— A real-time centralized repository of firewalls, rules, and policies that spans the entire environment including the cloud

— Search for any device, policy, or rule with FireMon's proprietary Security Intelligence Query Language (SiQL)

— Consolidated compliance and risk assessments with over 20 preconfigured reports

— 500+ controls and ability to create new ones using custom queries

— Intelligent rule design and change workflows with optional ITSM integration

— Rule review and recertification for complete rule lifecycle management

— Every platform available via APIs and over 100 native integrations

— Architected for scale reliability in any size environment

FireMon and Palo Alto: How it works

Palo Alto Networks' NGFWs offer a prevention-focused architecture that's easy to deploy and operate. The machine learning (ML)-powered NGFWs inspect all traffic, including applications, threats, and content, and tie that traffic to the user, regardless of location or device type. Automation reduces manual effort, so your security teams can replace disconnected tools with tightly integrated innovations, focus on what matters most, and enforce consistent protection everywhere. The user, application, and content—the elements that run your business—become integral components of your enterprise security policy. As a result, you can align security with your business policies and write rules that are easy to understand and maintain.

FireMon complements Palo Alto's NGFW and Panorama NGFW management consoles with a suite of specialized tools specifically designed to manage the complexity of firewall rules and policies. Once deployed, FireMon gathers rules and policies from every firewall across the environment and stores them in a centralized rule repository. Whether an entire network comprises 100% Palo Alto devices or a combination of various vendors, including cloud environments, FireMon pulls it all together into a single platform for visibility and control of the entire rulebase.

The single source of truth powers a comprehensive network model that offers policy and rule mapping, security control evaluations, and consolidated compliance reporting. It also adds a layer of intelligence that proposes rule changes and automatically checks that new rules won't introduce additional risk or violate compliance requirements before they are deployed.

FireMon manages firewall rules across your entire environment.
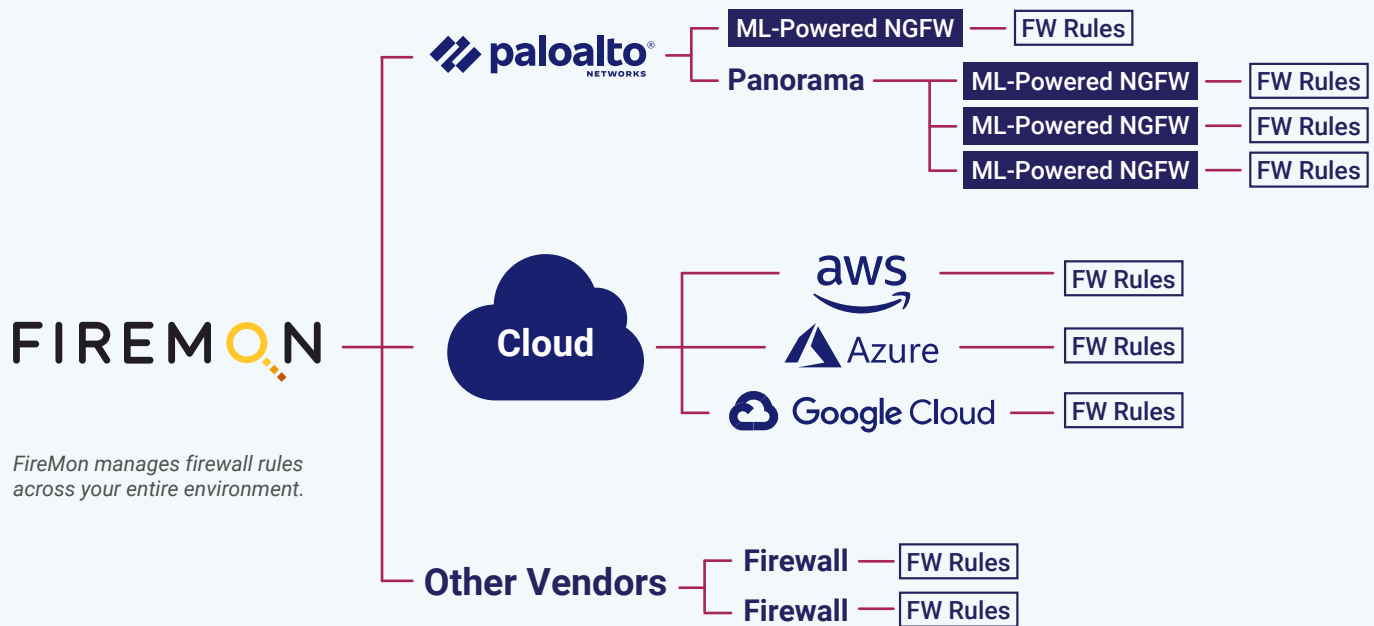
Results of Using FireMon with Palo Alto

90% Less Time to Create Compliance Reports FireMon transforms compliance reporting from a year-round exercise to the click of a button. Reporting that would normally take audit teams weeks to collect and consolidate takes only minutes with FireMon.

90% Less Time to Create and Deploy New Firewall Rules FireMon's intelligent tools eliminate guesswork in rule creation by finding optimal routes between devices and providing accurate, step-by-step instructions. Policy Manager can deploy these rules automatically across the network.

100% Detection of High-Risk and Misconfigured Rules FireMon's complete rule visibility allows it to identify every overly permissive and unused rule, as well as those that inadvertently expose services to exploitation. It also prevents accidental risk creation by analyzing rule changes before deployment.

90% Less Time to Migrate Firewalls Policy Manager simplifies firewall migrations by helping security teams clean and validate rules before moving them to Palo Alto devices or cloud environments. Migration is completed accurately and efficiently with a single click.

FIREMON

FireMon's mission is to improve security operations that will in turn lead to better security outcomes. FireMon delivers industry-leading security policy management, cloud security, and asset management solutions. Our platform is the only real-time solution that reduces firewall and cloud security policy-related risks, manages policy changes, and enforces compliance. FireMon's Cloud Defense (formerly DisruptOps) is the only distributed cloud security offering that detects and responds to issues in the fast-paced public cloud environments. Our cloud-based Asset Management solution (formerly Lumeta) scans entire infrastructures to identify everything in the environment and provide valuable insights into how it's all connected.

paloalto® NETWORKS

Palo Alto Networks is the global cybersecurity leader, committed to making each day safer than the one before with industry-leading, AI-powered solutions in network security, cloud security and security operations. Powered by Precision AI, our technologies deliver precise threat detection and swift response, minimizing false positives and enhancing security effectiveness. Our platformization approach integrates diverse security solutions into a unified, scalable platform, streamlining management and providing operational efficiencies with comprehensive protection. From defending network perimeters to safeguarding cloud environments and ensuring rapid incident response, Palo Alto Networks empowers businesses to achieve Zero Trust security and confidently embrace digital transformation in an ever-evolving threat landscape. This unwavering commitment to security and innovation makes us the cybersecurity partner of choice.

At Palo Alto Networks, we're committed to bringing together the very best people in service of our mission, so we're also proud to be the cybersecurity workplace of choice, recognized among Newsweek's Most Loved Workplaces (2021-2024), with a score of 100 on the Disability Equality Index (2024, 2023, 2022), and HRC Best Places for LGBTQ+ Equality (2022). For more information, visit www.paloaltonetworks.com.