FireMon Automation

Automate At Your Pace and Confidence Level with the Power of Continuous Adaptive Enforcement™

THE CHALLENGE

Many enterprises are embarking on digital transformation initiatives, while simultaneously dealing with a sophisticated and volatile threat environment. Their increased focus on incident response and hybrid cloud visibility, coupled with the growing impact of governance, risk, and compliance on security operations, is further compounded by the inability to hire and retain skilled security professionals, putting additional strain on lean security teams and increasing their security risk.

These challenges are magnified as the gap between the urgency to innovate and ensuring a secure network widens as security teams struggle to keep up using outdated, manual processes. With an increasing number of policy changes triggered by either an active security event or by business-driven initiatives like deploying new services or applications, the lack of security process automation can lead to misconfiguration errors, accidental exposure, or service disruptions. Enterprises need to be confident in their ability to reduce security risk and achieve business agility without sacrificing one for the other.

THE SOLUTION

Drive Innovation at the Speed of Business with FireMon Multi-Level Security Automation

FireMon Automation delivers a comprehensive blueprint of security policy automation capabilities that drive smart security process automation to effectively address your unique use case, infrastructure, or compliance requirements. Our multi-level approach to security automation drives efficiency, agility, and efficacy by aligning automated tasks to your specific requirements across your on-premise, hybrid, and multi-cloud environments; and gives you the flexibility to manage your automation journey at your pace and confidence level. The levels of FireMon Automation include:

Firemon Automation:

- Delivers flexible levels of security automation tailored to simplify your workflows at your pace and confidence level
- Reduces human error by eliminating misconfigurations that can increase your attack surface
- Eliminates the friction between DevOps and SecOps so you can deliver security at the speed of the business
- Increases security agility while shortening your SLA timeframe
- Maximizes efficiency while reducing your operational and security costs
- Prevents compliance violations through continuous monitoring of global security policies across your hybrid environment

AUTOMATED DESIGN	AUTOMATED IMPLEMENTATION	ZERO-TOUCH AUTOMATION	CONTINUOUS ADAPTIVE ENFORCEMENT™
A basic level of automation with: • Design recommendations • Auto-generated compliance and risk scoring reports	Adds: • Automated rule implementation • Automated rule verification • Automated change documentation	Adds automated compliance evaluation and approvals of: • Per-app Security Intent • Golden Rules guardrails • Hands-off automation while the operator remains in control of the policies • Integration with external systems (SOAR, CI/CD)	Adds: • Auto-detection of infrastructure, network and platform changes • Transparent recalibration of global security policies – **not stopping at policy deployment** • Automatic fixes of out-of-band rogue changes FireMon's Compute Engine with exclusive Continuous Adaptive Enforcement™ brings **real A-Z Zero-Touch Security Automation**
Time: Weeks to Days	Time: Days to Hours	Time: 5-15 Minutes	Time: Immediate
Operator monitors and reacts to environment changes		System monitors and reacts to environment changes	

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Automated Design

Automated Design offers a baseline structure to your security processes with a basic level of automation that includes design recommendations, as well as auto-generated compliance and risk scoring reports. At this level, you and your security team are monitoring for any environment changes and responding to them as needed.

Automated Implementation

Additional capabilities are included at the Automated Implementation level, where implementation rules are now automated for the various devices in your network. Rule verification and change documentation are also automated, while you and your security team are still responsible for monitoring and executing on any changes.

Zero-Touch Automation

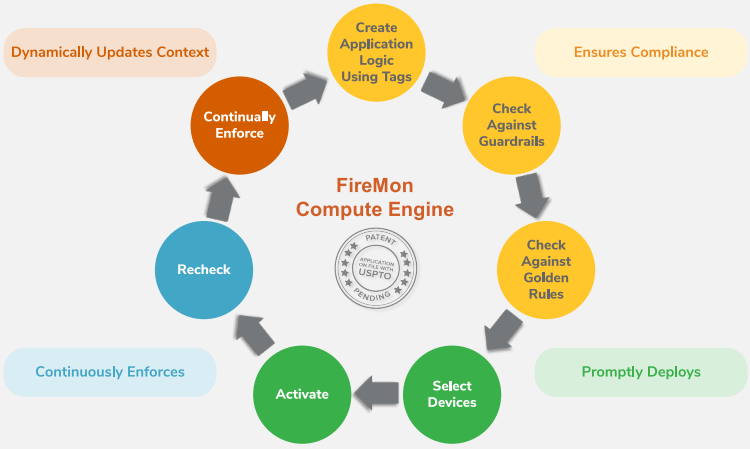
At the Zero-Touch Automation level, the system is now able to monitor and react to environment changes. Policies can be automatically pushed and activated on all of your devices without logging into different consoles or connecting to individual devices. You can define global, as well as per-application, access rules with abstraction, and alleviate the burden of time-consuming routine changes with Golden Rules guardrails. You can also enhance your automation at this level by using FireMon's REST API to integrate with third-party security orchestration, automation and response (SOAR) and continuous integration and continuous deployment (CI/CD) solutions.

Continuous Adaptive Enforcement™

With Continuous Adaptive Enforcement™, FireMon introduces the defining benchmark for security policy automation. At this level, FireMon Automation goes beyond just push deployments to deliver ongoing contextual awareness, policy recalibration, and continuous policy deployment based on specified compliance requirements, and as defined in templates and Golden Rules guardrails. Rogue, out-of-band changes are fixed automatically to prevent unauthorized access or a potential data breach.

FireMon Compute Engine

Our patent pending FireMon Compute Engine serves as the underlying technology that powers FireMon Automation. With contextual awareness and always-on detection of all networking, platform, and infrastructure configuration changes across your heterogeneous environment, the FireMon Compute Engine transparently adapts and recalibrates your global security policies in real-time to:



Ensure Compliance
Based on incoming change requests, the FireMon Compute Engine will either create a new access rule or modify an existing one. Access rules establish the security intent and a tagging mechanism defines the required objects. All change requests are reviewed to ensure that they match the guardrails and golden rules to ensure compliance.

Promptly Deploy
Devices that the rule applies to are then selected using route-based hints, and within seconds, the rule is deployed and activated across all of the selected devices.

Enforce Continuously
Any contextual changes across the environment are monitored continuously, not just at specific times.

Update Context Dynamically
Policy is recalibrated dynamically to ensure context is compliant with existing guardrails and golden rules.

Conclusion

FireMon Automation closes the gap between business and security by eliminating misconfigurations caused by human error that can increase your attack surface. With always-on monitoring of global security policies across your hybrid environment, FireMon Automation applies golden rules and established guardrails to deliver continuous compliance and maximize operational efficiency. It alleviates the friction between DevOps and SecOps to keep you focused on your most critical business initiatives without sacrificing security.

Who Is FireMon?

FireMon is the #1 security automation solution for hybrid cloud enterprises. FireMon delivers persistent network security for multi-cloud environments through a powerful fusion of real-time asset visibility, compliance and automation. Since creating the first-ever network security policy management solution, FireMon has delivered command and control over complex network security infrastructures for more than 1,700 customers located in nearly 70 countries around the world.

For more information on FireMon Automation, visit www.firemon.com/automation

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