

**INTEGRATION BRIEF**

# FireMon + Terraform by HashiCorp

*Organizations are constantly seeking innovative solutions to enhance their security postures while streamlining their operations. At the heart of this transformation is the convergence of security and automation. Two leading players in their respective domains, FireMon and HashiCorp's Terraform, have joined forces to provide a seamless integration that empowers organizations to fortify their security while automating complex network infrastructure management.*

## The Challenge

Managing network access provisioning and deprovisioning without direct firewall intervention is a significant challenge as network landscapes evolve. Virtualization, containers, cloud, and the vast expanse of IoT devices have expanded the vulnerability spectrum to unprecedented domains, and with each adjustment of a firewall rule or cloud security measure, accompanying risks and susceptibilities emerge. A single misconfiguration could disrupt connections or worse, disrupt the entire network. Traditional manual procedures struggle to keep up with the demands for immediate access and on-the-fly computing integral to the contemporary corporate environment.

## How the Integration Works

FireMon compliments Terraform in multi-vendor firewall environments by providing visibility and control of the Terraform cloud firewall implementations within a single pane of glass. FireMon enables customers to manage policies along a common source of truth and enforce security and compliance across a range of network devices.

The integration allows users to collect information from Terraform to be used in FireMon's Network Security Policy Management platform. FireMon collects and aggregates Terraform policy information directly into the platform and builds it into a model that includes network topology, security controls, and assets. Customers can visualize the Terraform network devices as part of their overall network map in relation to the hybrid network security topology.

## FireMon + Terraform

FireMon, a renowned leader in network security policy management, asset management, and cloud security posture management, has a rich history of assisting organizations in reducing security risks, achieving compliance, and managing policy changes. HashiCorp's Terraform is a widely-adopted infrastructure as code (IaC) tool that enables organizations to define, provision, and manage infrastructure in a declarative and version-controlled manner.

This partnership creates a holistic approach to safeguarding digital assets by bringing together the best practices of both worlds; the integration empowers organizations with an unprecedented level of control, efficiency, and security.

With the Terraform policy information available, FireMon applies real-time policy analysis to ensure the desired security policy enforcement is in place. Joint customers will be able to visualize configuration and policy across all network security enforcement points and address the following use cases:

- **Risk Assessment:** Assess and communicate policy violations and potential vulnerabilities associated with new access requests while keeping pace with the change and complexity happening in the network.
- **Proactive Compliance Checks:** Ensure newly added rules or configuration changes meet existing compliance policies and best practices during the rule planning stage.

## Why FireMon & Terraform?

The FireMon and Terraform integration brings several notable benefits to organizations, regardless of their size or industry:

**Enhanced Security Posture:** By automating security rule provisioning and compliance checks, organizations can maintain a stronger security posture, reducing the risk of vulnerabilities and security breaches.

**Increased Efficiency:** The integration reduces the manual effort required for policy management, allowing teams to focus on higher-value tasks and innovation.

**Improved Collaboration:** The alignment of security and infrastructure teams fosters collaboration, leading to a more cohesive and efficient approach to security management.

**Reduced Compliance Risks:** Continuous compliance monitoring and enforcement help organizations meet regulatory requirements and avoid costly compliance violations.

**Accelerated Deployment:** Terraform's automation capabilities can speed up the deployment of network infrastructure, helping organizations meet the demands of rapidly changing business environments.

**Cost Savings:** Automation reduces the likelihood of errors and misconfigurations, ultimately leading to cost savings by minimizing the need for security incident remediation.

By bringing together security and automation, the integration empowers organizations to enhance their security posture, streamline policy management, and meet compliance requirements more efficiently. As organizations continue to face dynamic and evolving threats, this integration offers a robust solution to meet the challenges of the digital age. It provides organizations with the tools they need to secure their networks, automate their infrastructure, and stay ahead in a rapidly changing cyber-world.



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 operations, 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 solution (formerly DisruptOps) is the only distributed cloud security operations 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.



HashiCorp is a leader in multi-cloud infrastructure automation software. The HashiCorp software suite enables organizations to adopt consistent workflows and create a system of record for automating the cloud: infrastructure provisioning, security, networking, and application deployment. HashiCorp's portfolio of products includes Vagrant™, Packer™, Terraform®, Vault™, Consul®, Nomad™, Boundary™, and Waypoint™. HashiCorp offers free community source-available products, enterprise products, and managed cloud services. The company is headquartered in San Francisco, though most HashiCorp employees work remotely, strategically distributed around the globe. For more information visit [hashicorp.com](https://hashicorp.com).