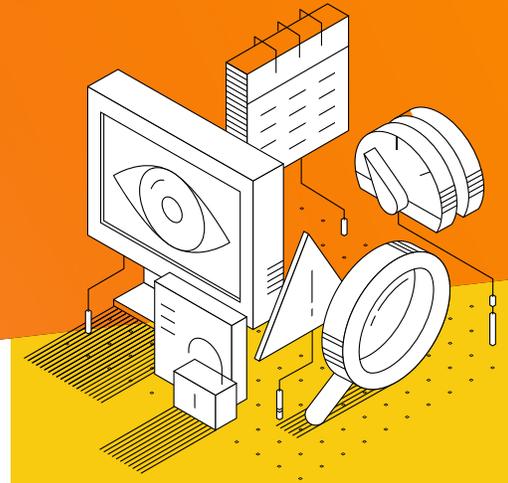# FIREMON

Change Simulation and Risk Scoring

Proactively reduce risk based upon network exposure and host accessibility

The Challenge: Staying secure amidst an ever-changing threat landscape

For every access request granted, a potential gap in security is created. The best way to combat unwarranted access is to preemptively identify and analyze areas of vulnerability. However, the complex nature of firewall configurations combined with the time-consuming burden of patching tens of thousands of vulnerabilities makes threats difficult to see and assess.

Security practitioners trying to manage risk face several challenges, including:

- Sifting through a high volume of scan results
- Prioritizing vulnerabilities for patching
- Keeping up with changes to network access
- Understanding the downstream effects of changes and remediation steps

Prioritizing By Severity Isn't Always Right

Most vulnerability engines provide a simplistic prioritization method that takes the asset value of the host, the compromise level of the vulnerability and the complexity level of the hacker to prioritize the patch list. If a host has a higher asset value, has a root level compromise and the vulnerability on the host is easy to hack, then it should be patched first. Why waste time patching a host that is vulnerable on a specific port if the firewall is already blocking access to it? Prioritization strategies that are not based upon accessibility miss an important piece of the puzzle – the value your existing security infrastructure is already providing.

The Solution: FireMon Risk Analyzer

FireMon Risk Analyzer provides threat analysts and security operators with an on-demand tool for analyzing risk exposure and host accessibility from any web browser. It uses real-time network configuration information combined with vulnerability scan data to measure risk and visualize potential attack penetration.

If a picture is worth a thousand words, Risk Analyzer's attack path visualization is worth "a thousand patch tickets." Rather than patching to protect your vulnerable host, Risk Analyzer arms you with the information needed to change your firewall policy to block access to the vulnerable host.

REAL-TIME DEFENSE CONFIGURATION

Risk Analyzer collects the latest configuration data from your security infrastructure with just one click.

ENTERPRISE-READY ARCHITECTURE

Risk Analyzer handles large, complex networks with tens of thousands of hosts and thousands of security devices, providing results in seconds, not hours.

API INTEGRATION WITH YOUR GRC

Risk Analyzer is completely API-driven. Use our APIs to pull data into your GRC dashboards or completely drive all attack scenarios from the API and never login or use our user interface.

DETERMINE WHICH RULES ARE ALLOWING ACCESS TO VULNERABLE HOSTS

Risk Analyzer allows you to decrease exposure and enable mitigation of risk by showing you which device rules can be adapted to reroute access allowing you to address risks immediately and reduce complexity and time in patch remediation efforts.

SCANNER INTEGRATION

We integrate with most of the industry's leading risk scanners to import and analyze risk data.

Solution Overview

FireMon Risk Analyzer's patented risk engine helps IT security teams discover weaknesses in the network, evaluate the impact of a combination of exploits and recommend changes proactively.

Proactive "What If" Scenarios allow users to patch systems virtually, re-run a complete analysis in seconds and compare various patch scenarios to ensure the biggest impact on efforts.

Prove the value of your existing security infrastructure – Prioritize hosts that are accessible and have exposed vulnerabilities versus those that already have a firewall blocking access to them. FireMon Risk Analyzer collects and reports on the current configurations of network access controls deployed on firewalls, routers, switches, proxies and traffic gateways to ensure timely and accurate analysis. Thus, the remediation guidance provided by the application is based on live, change-aware data rather than periodic, out-of-date static sources.

Rapid Pre-Change Risk Assessment – Assess and communicate risk associated with new access requests while keeping pace with the change and complexity happening in the network.
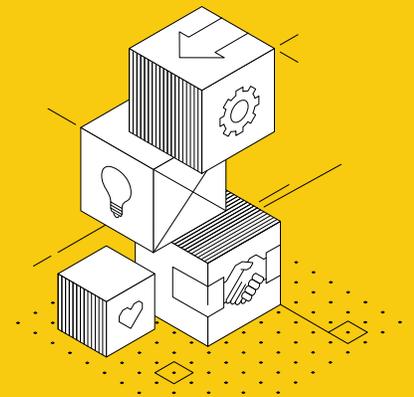
Dashboard Risk Scoring – View your riskiest asset or rule in real time via a risk dashboard. You can quickly zero in on the most vulnerable parts of your network.
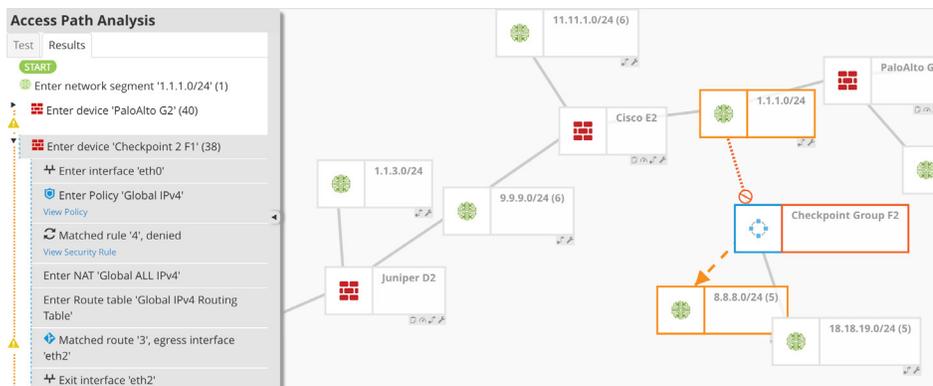
Who is FireMon?

FireMon is the No.1 provider of Intelligent Security Management solutions worldwide, combining advanced benchmarking, simulation, and analysis to deliver next generation security intelligence. Since creating the first-ever network security management solution more than 15 years ago, FireMon solutions have continued to deliver visibility into and control over complex network security infrastructure, policies, and risk to over 1,500 customers around the world.

Using the FireMon Intelligent Security Management platform, today's leading enterprise organizations, government agencies, and managed security providers have dramatically improved effectiveness of network defenses, accelerating business agility and optimizing return on investment. For more information or a free 30-day trial, visit www.firemon.com.