

Security Policy Orchestration for Juniper Networks Security Products

Technology Partner Solution Brief

Juniper® Networks and Tufin® Provide Secure, Manageable and Compliant Environments

Together, Tufin Orchestration Suite™ with Juniper® Networks firewalls, MX series routers and Junos Space Network Management Platform reduce attack surface for mitigation of cyber threats. The joint offering enables IT security teams to manage complex heterogeneous physical networks and cloud platforms through a single pane of glass, providing advanced visibility and risk-free policy modifications. Based on advanced analysis and automation technologies, network security policies are orchestrated across the enterprise, leveraging Juniper Networks Firewalls capabilities.

Tufin Orchestration Suite Integrates with Juniper Networks Products

Network security changes require end-to-end analysis for risk and compliance, design of change, documentation, authorization, audit trail and so forth. Tufin Orchestration Suite is a comprehensive solution for these challenges – for automatically managing, designing, provisioning, analyzing and auditing network security changes from the application layer down to the network layer. Tufin’s solution provides management and network security change automation for Juniper firewalls, MX series routers and Junos Space Network Management Platform. This integration enables the addition of Juniper Networks products as part of the organization network in a smooth and simple manner.

Gain Insight and Control over Complex Networks

Understanding enterprise network segmentation and cloud security groups is a major challenge for IT experts. Tufin’s Security Zone Matrix simplifies this task by visually mapping the desired network zone-to-zone traffic flow according to the Unified Security Policy and instantly providing detailed insights across all platforms. The Security Zone Matrix dashboard shows which services are whitelisted or blacklisted between different network zones for easily visualizing zone sensitivity restricting unauthorized east-west traffic.

Benefits to Your Enterprise:

- Single pane of glass for managing security policies across network firewalls, private cloud and public cloud
- Optimize security policies
- Reduce attack surface for mitigation of cyber threats
- Implement network security changes securely in minutes
- Assure business continuity by minimizing network and application downtime
- Enable continuous compliance with enterprise and industry regulations
- Improve security, compliance and business agility through firewall change automation

Tufin’s Security Zone Matrix dashboard and Unified Security Policy enable policy optimization, network segmentation and reducing attack surface

Automatic Network Security Change Design and Verification

Tufin significantly shortens the time previously required to make network security changes by automating both design and implementation. Automation is based on cutting-edge network topology simulation that identifies the relevant devices affected and performs an analysis of each relevant firewall policy. Then a detailed change plan is suggested and, once approved, deployed to the security and network devices. This ensures a quick and accurate process to grant the needed application connectivity while maintaining network security policy.

Optimize Your Firewalls

Tufin Orchestration Suite helps enterprises to optimize firewalls across heterogeneous environments with:

- Optimization of policies by identifying rules and objects that are misconfigured, risky or unused
- Recommendations for aligning firewall policies with industry best practices
- Firewall analysis and reporting tools that enable security teams to achieve better productivity
- Built-in, customizable workflows for network and firewall changes
- Integration with leading enterprise ITSM service management solutions such as BMC Remedy and ServiceNow

Proactive Risk Analysis and Impact Simulation

Every change made to the firewall configuration is a potential threat to data security and application availability. Simulating the impact of a change is virtually impossible without the proper tools. As part of the automated change process, Tufin Orchestration Suite checks every access rule against your corporate security and internal compliance policies to identify and flag potential risks.

Continuous Regulatory Compliance with Industry Standards

Tufin Orchestration Suite provides closed-loop process for enforcing, verifying and maintaining an automated audit trail for compliance with industry standards such as PCI DSS, SOX, and NERC CIP and more. Every firewall policy change is evaluated before implementation ensuring safe deployment ahead of time. In addition, manual changes that result in compliance issues are detected automatically and a resolution fix plan is suggested.

About Tufin Orchestration Suite™

Tufin Orchestration Suite™ is a complete solution for automatically managing, designing, provisioning, analyzing and auditing network security changes from the application layer down to the network layer. It minimizes errors and redoes for rapid service delivery, continuous compliance and business continuity. Tufin provides world-class security policy orchestration solutions that enable organizations around the world to manage network configuration changes accurately and efficiently. By orchestrating complex processes involving multiple teams, applications, servers and network devices, Tufin addresses the challenges of a variety of stakeholders throughout the organization, while enabling them all to collaborate more effectively.

About Juniper Networks

Juniper Networks (NYSE: JNPR) delivers innovation across routing, switching and security. Juniper Networks' innovations in software, silicon and systems transform the experience and economics of networking. Learn more at www.juniper.net.

Tufin at a Glance

Offices: North America, Europe and Asia-Pacific

Customers: More than 1,600 in over 50 countries

Leading verticals: Finance, telecom, energy and utilities, healthcare, retail, education, government, manufacturing, transportation and auditors

Channel partners: More than 240 worldwide

Technology Partners & Supported

Platforms: Amazon Web Services, BMC, Blue Coat, Check Point, Cisco, F5 Networks, Fortinet, Intel Security, Juniper Networks, Microsoft Azure, Openstack, Palo Alto Networks, VMware and more