



Tufin-Powered Cisco NGFW Migration: ASA to Firepower

Service & Solution Brief

The Challenges & Risks of Network Security Change Management

Cisco introduced the Cisco Firepower Next Generation Firewall (NGFW) to enable enterprise organizations to stop more cyber threats, gain in-depth insight, detect infections earlier and faster, reduce network complexity, and enhance their security.

While organizations look to migrate to Cisco Firepower to take advantage of its superior threat-focused NGFW, many realize that migrating policy between platforms in a large enterprise network is a very complicated process. Aligning to Firepower object groups or retaining ASA nested groups adds to the complexity. On top of the time and effort that are required, any mistakes may lead to connectivity problems or excessive access that increases security risks. Organizations with extensive or historically amplified rulesets also face the challenge of refining and optimizing their policy in order to prepare for migration.

To enable Cisco customers to seamlessly migrate their existing ruleset and optimize them to the Firepower format, Tufin has developed an automated solution that leverages the advanced policy management capabilities of Tufin Orchestration Suite™. The Tufin-Powered Cisco NGFW Migration is a Tufin-powered service utilizing a proprietary tool for identifying, modeling and porting the rules and objects that should be migrated. The solution ensures that the migration process results in a working policy, full realization of Firepower's NGFW features, and a refined and optimized ruleset. With longstanding support for Cisco ASA and an established history of enabling policy management and monitoring, Tufin is the proven solution provider to accurately facilitate the migration of security policy between Cisco platforms.

Migrating a Refined & Optimized Ruleset

Tufin's migration solution leverages the analysis, abstraction, and policy management features of Tufin SecureTrack to effectively analyze the existing ASA ruleset. Customers get complete visibility of the ASA policy including meta-data such as usage, shadowing and associated risk in order to identify redundant or unused rules that can be eliminated. The migration solution automatically ports only the necessary rules from ASA to the Firepower Management Console, providing immediate realization of advanced Firepower features through an accurate and optimized rulebase.

Automating & Documenting the Migration Project

Organizations deploying multiple Firepower NGFWs can leverage Tufin-powered migration to eliminate the manual process of migrating rules from their ASA devices. Tufin provides out-of-the-box integrations with both ASA and Firepower, enabling the migration solution to automatically migrate the optimized ruleset. Offline devices can also be migrated so no devices are missed. Following optimization and migration, the Tufin solution validates that Firepower NGFW policies are free of misconfigurations and that they maintain connectivity. Leveraging automation to simplify the manual and typically labor-intensive migration process allows organizations to fully utilize their Cisco NGFW investment within a few hours rather than a few days. All steps in the migration process are tracked and documented to provide post-migration reporting and be audit-ready.

Benefits

- Significant time and effort savings, with migrations conducted up to 20 times faster
- Simplified comprehensive policy search through SecureTrack's policy browser
- Ensured accuracy of migrated policy through an API-to-API validation integration
- Rapid utilization of your Cisco Firepower investment
- Refreshed and optimized ruleset aligned to network object groups
- Full change tracking throughout the migration process
- Post-implementation customer reporting for audit readiness

Leveraging Firepower Qualities with an Intelligent Migration Solution

The Tufin-Powered Cisco NGFW Migration Solution doesn't just simply port the Cisco ASA rules and objects to Firepower. The solution provides advanced options to align the migrated objects and rules to the Firepower Management Center (FMC) policy design and NGFW capabilities. Customers can selectively migrate a subset of rules from ASA to a specific Firepower policy and attach an IPS policy during migration. The migration solution also allows migrating objects to Firepower object groups, and to migrate interfaces to security zones.

Ensuring Success with Tufin-Powered Service

The migration solution can only be delivered by Tufin professional services or by a Tufin-certified partner in order to ensure the migration is successful. The service is based on a proprietary migration tool that is installed with Tufin SecureTrack and provides a wizard-based migration process. At the conclusion of the migration service you receive complete and comprehensive reporting to summarize the migration results.

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Migration Report

Provides a record of migration changes that have been made to the Firepower.
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ASA Device	Migration Type	Firepower	Username
ASAv	Network	192.168.200.110	admin

Objects Migration Table

Show entries Search:

Status	Name	IP	Netmask
●	DM_INLINE_NETWORK_29		
●	DM_INLINE_NETWORK_3		
●	DM_INLINE_NETWORK_32		
●	DM_INLINE_NETWORK_6		
●	DM_INLINE_NETWORK_32		
●	DM_INLINE_NETWORK_6		

Sample Migration Report

About Tufin

Tufin® is the leader in Network Security Policy Orchestration, serving more than half of the top 50 companies in the Forbes Global 2000. Tufin simplifies management of some of the largest, most complex networks in the world, consisting of thousands of firewall and network devices and emerging hybrid cloud infrastructures. Enterprises select the award-winning Tufin Orchestration Suite™ to increase agility in the face of ever-changing business demands while maintaining a robust security posture. Tufin reduces the attack surface and meets the need for greater visibility into secure and reliable application connectivity. Its network security automation enables enterprises to implement changes in minutes with proactive risk analysis and continuous policy compliance. Tufin serves over 2,000 customers spanning all industries and geographies; its products and technologies are patent-protected in the U.S. and other countries.

