



Tufin and Cisco SD-Access: Security Policy Management for Evolving Software Defined Networks

Technology Partner Solution Brief

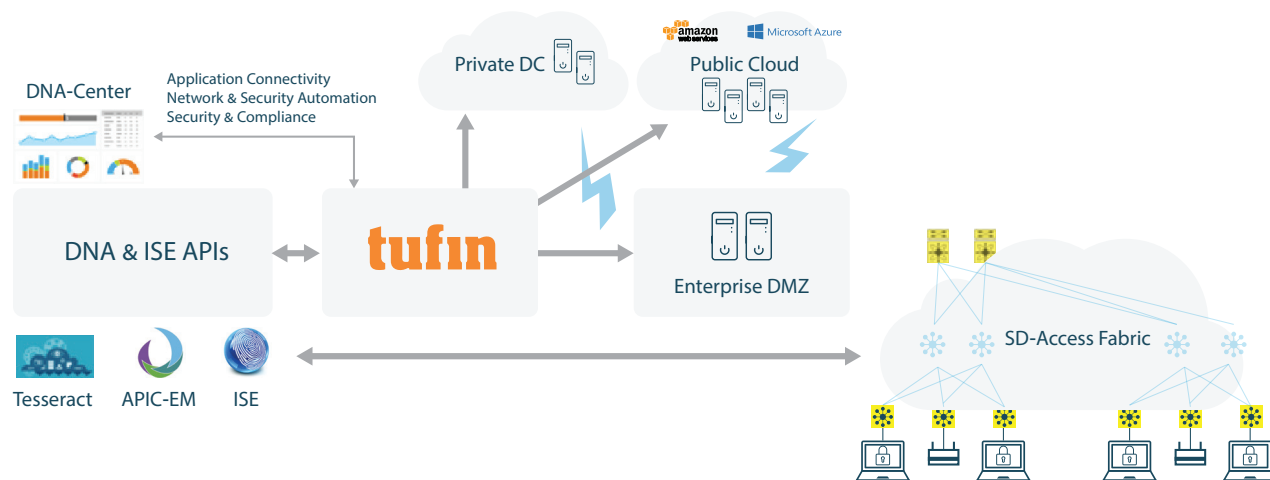
Enterprises have a strong need to move to a secure, robust networking architecture that enables IT teams to run day-to-day network operations efficiently, and ensure optimal access experience and network connectivity for all users while staying compliant with various industry regulations. From a business perspective in today's digital world, network connectivity, uptime and performance today have a direct impact of business continuity and productivity. However, the underlying IT services and technologies have often involved manual, complex device-by-device configuration and correlation that is slow and error prone. We are currently in a phase of rapid modernization of networking technologies towards intent-based networking that brings unprecedented agility towards IT service delivery and embeds network security at the core of all operations.

Tufin and Cisco SD Access provide secure, manageable and compliant environments

Tufin simplifies management of some of the largest, most complex networks in the world, consisting of thousands of firewalls, 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 for networks, meets the need for greater network visibility and reliable application connectivity. With Tufin's network security automation enterprises can implement changes in minutes with proactive risk analysis and continuous policy compliance.

Cisco SD-Access (Software Defined Access) is an architecture for enterprise networks that radically simplifies and modernizes networking through integrated identity-based access, controller-based operations, machine-learning powered network insights, and enables the secure networking through turnkey network segmentation capabilities.

Together, Tufin Orchestration Suite™ with Cisco SD-Access help maintain continuous compliance through the correlation of policy enforcement data across multiple controller-domains such as enterprise, data-center, firewall, private and public cloud environments.



Integration of Cisco SD-Access with Security Policy Orchestration across firewalls and hybrid cloud platforms

Benefits to Your Business:

- Implement network security changes securely in minutes with end-to-end automation
- Native support for Cisco Firewalls and Security Management products
- Ensure continuous network compliance and auditability
- Reduce audit preparation time by up to 70%

Security Policy Orchestration in SD-Access

In order to assist the adoption of a controller-based networking operational paradigm that includes security processes and controls, Network Security Policy Management capabilities offered by Tufin play a role of paramount importance, by orchestrating access policies and rules across physical network and hybrid cloud platforms. Following are the key benefits of the integration between Tufin and Cisco SD-Access Fabric environment:

1. Simplified Policy Management & Orchestration

Tufin can read the access policy “intent” expressed by the administrator in Cisco DNA Center – the command center for Cisco SD-Access, and based on an accurate topology map (that spans beyond the control of APIC-EM/ISE) automatically provision the same access rules across the hybrid network. The result is a unified security policy, increased productivity and streamlined operations across network and security teams.

2. Secure Change Management

Tufin provides a policy-based approach to change management and a role-based approval flow to proactively reduce risk. Requested access changes in Cisco DNA Center are analyzed and reviewed before implementation to ensure that they are aligned with the organizational security mandates.

3. Comprehensive Visibility & Simplified Troubleshooting

Tufin provides a comprehensive view of application connectivity based on accurate topology modeling across firewalls, hybrid cloud platforms, and Cisco SD-access network. Network and security teams can use the connectivity map and analysis to quickly troubleshoot service requests and plan for changes.

4. Simplified Migration

Tufin can assist with highlighting which are the IP-ACLs that can be effectively and safely retired and be replaced with an equivalent Cisco SD-Access group-based policy for simplified access policy management going forward. In addition, Tufin understands the group-based policy intent from the network controller and renders those on firewalls without having to depend on firewall feature capabilities to natively support group-based policies.

5. Compliance Reporting

Tufin helps ensure continuous compliance through the correlation of policy enforcement data across multiple controller-domains such as enterprise, data-center, firewall, private and public cloud environments. Tufin enables compliance teams to quickly identify gaps between current and desired states as well as analyze the potential risk of requested access changes before they are implemented to ensure compliance and maintain audit readiness.

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 2,100 customers spanning all industries and geographies; its products and technologies are patent-protected in the U.S. and other countries. Find out more at www.tufin.com.

About Cisco

Cisco (NASDAQ: CSCO) is the worldwide leader in IT that helps companies seize the opportunities of tomorrow by proving that amazing things can happen when you connect the previously unconnected. For more information see www.cisco.com.