

A satellite with solar panels is shown in orbit over a desert landscape. The satellite is white with blue solar panels and the word "SPACEX" is visible on its side. The landscape below is a vast, arid desert with brown, rocky terrain and a clear blue sky.

Mission Critical Network Security Evolved



Whitepaper

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Introduction

As the convergence of our digital and physical worlds accelerates at an astounding pace, the importance of network security can't be overstated. Without secure and reliable networks to access and share information, critical data and IP become virtually useless.

Firewalls play a fundamental role in protecting networks—and for decades, Forcepoint Sidewinder firewalls have secured many of the most sensitive mission-critical environments on the planet. Sidewinder's integrated firewall proxies provide an unmatched level of protection—there's simply no other solution on the market that delivers this caliber of application-level network traffic security.

Integrating Sidewinder into Forcepoint NGFW: A New Industry Standard for Network Security

Forcepoint NGFW now incorporates the best of Sidewinder, enabling you to leverage next-generation capabilities without sacrificing the application-level security that you rely on to protect your critical data. Forcepoint NGFW comes with built-in Sidewinder application proxy technology right out of the box, including SSH/SFTP, HTTP/S, TCP, and UDP. With this integration, Sidewinder customers will be able to extend this functionality at a scale and speed not previously possible. The integration gives you industry-leading, interactive visibility into everything that's happening on your network, including your existing Sidewinder firewalls.

Leveraging the power of the Forcepoint NGFW Security Management Center (SMC), this synergetic blend of two network security products delivers many unique advantages:

- **Drill-down reporting** into security events and policy violations on existing Sidewinder firewalls
- **Point-and-click functionality** to determine what policies triggered an event
- **Granular visibility** to a specific device if needed
- **Consolidated reports** for Sidewinder firewalls, Forcepoint NGFW, and third party devices, all in one location
- **Holistic view** of all firewalls on your network without system straddling
- **Distributed architecture** that provides the SMC with a high-availability option for demanding uptime requirements
- **Low TCO** with a seven-month payback period

Efficiency, usability, durability, and security are all greatly enhanced with this integration. The Forcepoint SMC aggregates log data from multiple, geographically distributed log servers enabling consolidated reporting, while maintaining data sovereignty and centralizing investigations. The SMC's multi-server architecture also ensures that you'll always be able to access your networks' security performance data.

Migrating from Sidewinder to NGFW Is Fast and Easy

Regardless of how many firewall policies and rule sets you have, a seamless transition is paramount. With our proven process and proprietary migration tool, you'll enjoy a stress-free migration from Sidewinder to NGFW. The migration tool accelerates the moving and deduping of sophisticated rules

and policies that have been tailored for your organization over the lifespan of your Sidewinder firewalls. Your migration will be complete in a matter of minutes.



Figure 1: Enable consolidated reporting for Sidewinder firewalls, NGFWs, and other third party devices with the Forcepoint NGFW Security Management Center (SMC).

Forcepoint's Network Security Vision: Delivering a "Connect and Protect" Solution

The blending of Sidewinder and NGFW technologies is a direct extension of our strategy to expand the platform as we focus on six differentiating features:

1. Connectivity

With plug-and-play, zero-touch installation, operation is easy. No need for your top talent to manage installations. The establishment of SD-WANs lets you take advantage of multiple links (various kinds of commercial broadband, leased lines, etc.). Plus, you can take advantage of new VPN features, such as Instant Setup VPNs with drag-and-drop graphical interface. Other features include: dynamic server load balancing that allow even distribution of network traffic between multiple ISPs (with link failure detection to ensure high availability and performance), QoS-based link selection, and Multi-Link VPN aggregation (including VPN client for Microsoft Windows). This means more automation and flexibility, as well as easy migration from backhauling to direct-to-cloud.

2. High availability

The Sidewinder integration delivers true high availability, which is much more than simple failover. You get always-on architecture, firewalls, networks, and management capabilities for advanced, mixed clustering of up to 16 nodes (can be

different models, even with different firmware). Sidewinder alone does not have this capability; a maximum of two Sidewinder boxes can be clustered. Other capabilities include WAN and multilink network clustering, including broadband and leased lines. Finally, NGFW allows on-the-fly updates and policy deployment, with no downtime, delays, or service windows—a critical feature for environments where downtime can be the difference between mission success and failure.

3. Security

Industry-leading IPS and anti-evasion technique (AET) defenses, advanced malware detection and sandboxing, botnet defenses, and URL filtering are all part of this advanced security ecosystem. With an intelligent inspection engine, Forcepoint NGFW provides the best protection and is a pioneer in IPS anti-evasion detection and defense powered by the cloud. This enables accelerated decryption with granular privacy controls, mission-critical application proxies (Sidewinder), and leading-edge advanced malware detection sandboxing. Supporting these Forcepoint solutions:

- Forcepoint Cloud Access Security Broker (CASB)
- Forcepoint Web Security
- Forcepoint Email Security
- Forcepoint Data Loss Prevention (DLP)

4. Scalability

Scalability capabilities provide management solutions that organizations with highly distributed networks must have in order to function efficiently across disparate geographical locations, including unparalleled elasticity on the ground and in the cloud, and active-active mixed clustering of up to 16 nodes. Virtualization to separate logical contexts (FW, IPS, or L2FW) allows for separate interfaces, addressing, routing, and policies. Support for Amazon Web Services (AWS) is a cloud-based, plug-and-play installation of remote network firewalls. The flexibility inherent in Forcepoint NGFW allows localized policy control for locations requiring specific controls.

5. Centralized management

Forcepoint NGFW Security Management Center (SMC) is the cornerstone for Forcepoint NGFW. Configure firewalls as needed with the efficiencies you require to map business processes into security controls, and manage up to 2,000 devices from a single console. You're also able to specify and apply different types of security techniques to each connection by application, user, organization, or a variety of other factors. You can even repurpose security appliances into different roles to extend the lifetime of your infrastructure—current Sidewinder appliances can be repurposed with NGFW SKUs.

6. Visibility

Sidewinder devices integrated into the Forcepoint NGFW platform enable unrivaled visibility into your networks, wherever they are, in real time. Forcepoint NGFW's real-time monitoring overview capabilities include customizable overview dashboards with point-and-click drill downs, putting hundreds of statistics at your fingertips. The System Status View includes automatic status surveillance options that let you see the entire system status from one pane of glass, define customized alert thresholds, and configure alert delivery. Audit logs show you what changed it, and when.



The blending of Sidewinder and NGFW technologies is a direct extension of our strategy to expand the platform as we focus on six differentiating features.

Why Customers Select Forcepoint

Efficiency

Cutting TCO Burden

- Best centralized management
- Payback in seven months with 510% ROI (5 years)

Availability

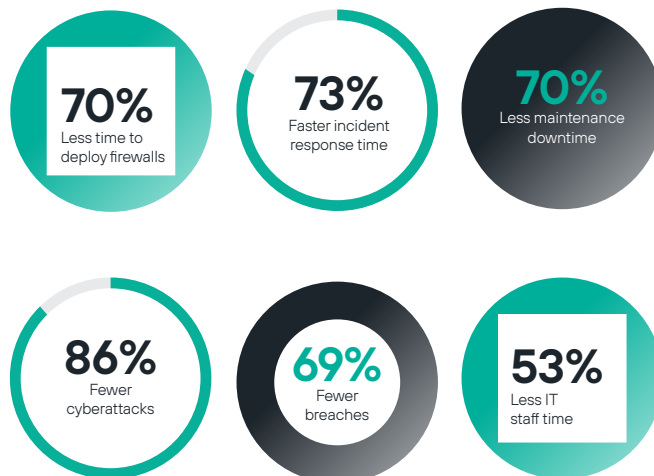
Eliminating Downtime

- Best firewall clustering/high availability and SD-WAN
- Prevents 70% of maintenance and 38% of outages

Security

Stopping theft without hurting performance

- High-performance IPS, decryption, VPN
- Stops 69% more breaches



Reap the Benefits of Sidewinder and Forcepoint NGFW

Governments, businesses, and critical infrastructure organizations continue to trust Sidewinder to protect their most critical data. For these established customers—and our new ones as well—Forcepoint NGFW delivers a fully integrated, “connect and protect” network security platform through:

- Stronger security efficacy
- Higher business productivity
- Lower total cost of ownership (TCO) burden
- Lower IT risk
- Simpler compliance

Ready to discuss how to upgrade your network security with Forcepoint’s next-generation firewall technology?

Contact us at ngfw@forcepoint.com to schedule a demonstration and see how you can upgrade your defenses with the functional and technical benefits of Forcepoint Next Generation Firewall.

+ As a mission-critical and highly distributed organization, your network security is non-negotiable.



forcepoint.com/contact

About Forcepoint

Forcepoint is the leading user and data protection cybersecurity company, entrusted to safeguard organizations while driving digital transformation and growth. Forcepoint's humanly-attuned solutions adapt in real-time to how people interact with data, providing secure access while enabling employees to create value. Based in Austin, Texas, Forcepoint creates safe, trusted environments for thousands of customers worldwide.