Symantec Web Security Service

The most advanced and comprehensive network security for the cloud generation. Our new Cloud Firewall Service extends network protection beyond the web.

Symantec Web Security Service

- The most comprehensive threat protection with a full network security stack

- High-performance, fully redundant cloud infrastructure

- Advanced Secure Web Gateway technology

- Integrated firewall layer based on FortiGate advanced NGFW technology

- Integrated with endpoint protection technologies

- Validated security effectiveness

- Protection for business-critical applications

- Continuous risk assessment and threat intelligence via Global Intelligence Network and Symantec STAR Labs

- Workflow automation (for compliance audits and reporting, as examples)

- Enterprise-class security management

Executive Summary

Symantec Web Security Service (WSS), built upon industry-leading secure web gateway (SWG) technology, is a cloud-delivered network security service that offers protection against advanced threats, provides access control, and safeguards critical business information for secure and compliant use of cloud applications and the web. The integration of Fortinet's industry-leading FortiGate next-generation firewall (NGFW) technology within WSS extends the most comprehensive set of cloud-delivered threat prevention capabilities available today.

An Expanding Attack Surface Puts Data and Network Access at Risk

The time it takes organizations to respond to an intrusion averaged 19.4 days—an increase of more than 20%. Greater exposure to threats through an ever-expanding attack surface was a key contributor to elongated response times. Enterprises are embracing innovations such as cloud services and direct-to-net access from branch offices, remote locations, and while on-the-go. Consequently, there are many new facets to the network edge—all of which must be secured.

To meet this challenge, security architects need solutions that increase infrastructure visibility, enable immediate threat intelligence sharing, and unlock automated threat protection at all network edges, ensuring greater user protection from modern-day security threats. Solutions must be scalable, and maintain high performance standards, and go beyond the web—securing all ports and protocols of traffic.

Symantec WSS Fortifies Network Security with Advanced Secure Web Gateway and Next-Generation Firewall Technologies

Symantec has integrated Fortinet's FortiGate NGFW technology to deliver Cloud Firewall Service (CFS), a key new capability of the Symantec Web Security Service. The integrated solution provides real-time and intelligent protection against malware and emerging threats, with control of network traffic over all ports and protocols, regardless of where enterprise users are.

Symantec's network security solution delivers a broad set of powerful capabilities—including a Secure Web Gateway (SWG), anti-virus scanning, Sandboxing, Web Isolation, Cloud Access Security Broker (CASB), Data Loss Prevention (DLP), and email security. Web Security Service offers secure SSL/TLS inspection and high-performance threat protection. Based on the advanced FortiGate NGFW technology, CFS capabilities include location, user/group, and detected applications/protocols, allowing customers to build adaptive trust models based on business intent, permissions, and network locations that reduce risk exposure.

Securing Traffic Across Distributed Locations

Symantec WSS offers a global footprint capable of securing all Internet traffic for remote users and branch customer locations. It delivers web and cloud security from a diversified network of 40+ certified global data centers. The Universal Policy Enforcement (UPE)
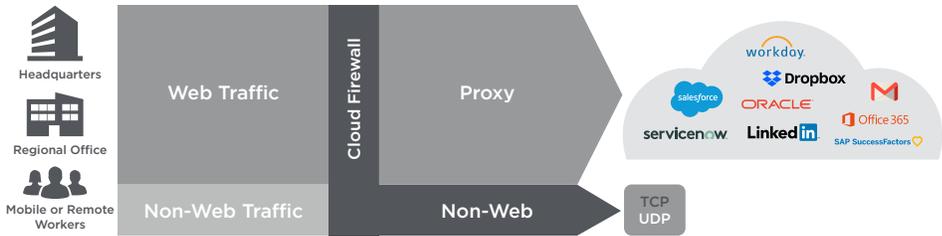

Figure 1: Symantec WSS Cloud Firewall Service Featuring the FortiGate NGFW Technology

capability allows administrators to define protection policies once and distribute them to all of their gateways, whether in the cloud or on-premises. This enables enterprises to ensure unified protection and consistent security policies for all users regardless of their locations.

Sitting between a company's employees wherever they are located (HQ, branch office, or remote) and the Internet, the service protects the enterprise from cyber threats, controls and protects corporate use of the cloud and the web, prevents data leaks, and ensures compliance with all of the company's information and web/cloud access policies. It offers

NGFW capabilities while supporting customer-specific firewall policies for both fixed locations and roaming users. It also includes single-pane-of-glass security management (via the WSS Portal) as well as centralized reporting.

FortiGate NGFW technology enables the Cloud Firewall Service functionality within Symantec WSS. FortiGate NGFWs are the only NGFWs on the market powered by purpose-built security processing units (SPUs). Optimized performance brings full traffic controls to WSS customers enabling organizations to inspect and enforce user protection policies on all Internet traffic.
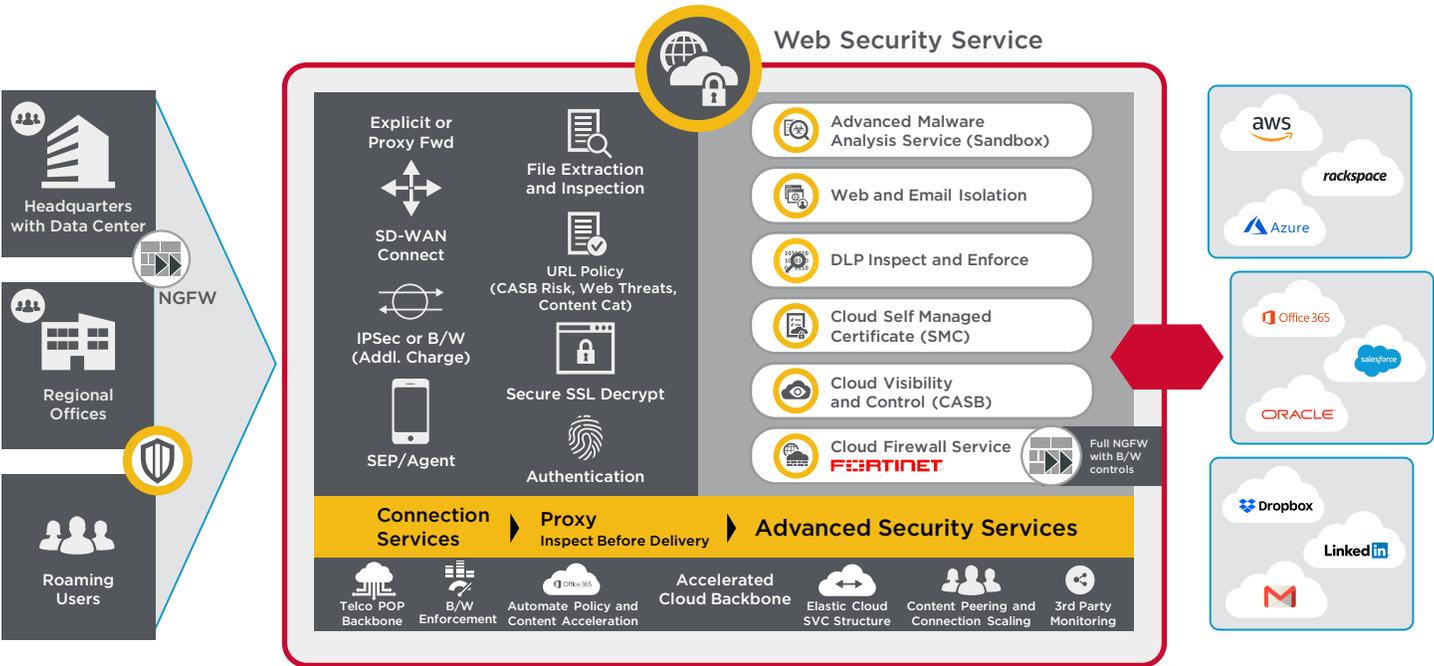
Figure 2: Symantec WSS Overview

CFS also extends capabilities that enable organizations to segment security policy and dynamically adjust enforcement as users move in and out of the organization's network. Additionally, CFS can control access based on user and group via tight integration into the user identity and authentications systems of WSS.

WSS combines the broadest possible range of advanced security services—including network firewall, application control, proxy based content-analysis, sandboxing, cloud-applications controls, integration to Symantec's data-loss-prevention, and web-isolation. As a result, organizations can consolidate traditional point products onto a single cloud service, delivering a lower total cost of ownership (TCO) while enhancing security effectiveness for all users.

Combined Forces for Outstanding Cloud-Delivered Network Security

As enterprises adopt more tools and technologies for greater business enablement, their risk exposure greatly increases. Symantec WSS with FortiGate NGFW technology offers exceptional cyber security protection across distributed environments, multiple network edges, and an ever-expanding network attack surface with unmatched performance.

For the past 12 years, Symantec Secure Web Gateway has been consecutively nominated by the Gartner Magic Quadrant in the Leader Quadrant for Secure Web Gateways. Symantec is recognized for its Ability to Execute, Completeness of Vision, and the breadth and depth of SWG integrations across its Integrated Cyber Defense (ICD) portfolio.

Fortinet FortiGate NGFWs were given a Recommended rating for the fifth consecutive year in NSS Labs' annual NGFW industry tests, with noted capabilities including best-of-breed security for encryption inspection, a high-security effectiveness rating, and low TCO.