Web Security Service

Cloud-Delivered Advanced Network Security Service

Increasing web use, rapid cloud adoption, greater mobility, and a growing number of remote users expose your network to risk. Symantec Web Security Service is a leading cloud-delivered security service that controls web access, protects users from threats, and secures their data.

This document summarizes key areas of competitive differentiation for the service. Please contact your Symantec Sales Representative to explore each of these areas, and more, in detail.

Superior threat prevention including innovative web isolation capabilities

A core capability of the Symantec service is enforcing security policies based on detailed data and predictive threat intelligence. Symantec offers the market's best enterprise-grade threat prevention security service, which includes a granular URL classification engine, an accurate detection engine, data feeds from the world's largest civilian threat intelligence network, and dual antivirus scanning. The proof is in the results: A third-party testing organization found that compared to using the service of our primary cloud-delivered competitor, a typical Web Security Service customer would have nearly 60,000 fewer false positives while blocking an additional 6,500 malware attacks every month. Additional threat prevention options include cloud-based sandboxing and web isolation, an innovative technology that blocks sophisticated malware, phishing, and ransomware targeting user web browsing activity. Our primary competitor does not offer this critical advanced technology.

Superior SSL/TLS inspection functionality

Analyst firm Gartner, Inc. estimates that 80 percent of a typical enterprise's traffic will be encrypted by 2019, and over half of cyber attacks will target 'blind spots' created by encryption. This means the ability to securely inspect encrypted traffic is essential to protecting an organization.

Symantec supports 40 cipher suites, broad support that enabled Symantec to receive the only 'A' grade in a recent third-party analysis that assessed the ability of various SSL inspection solutions to securely inspect encrypted traffic. In contrast, our primary cloud competitor offers support for only 21 cipher suites when they release the support for ECDHE cipher suites (currently in beta). However, analysis shows they are still downgrading the cipher suite used to access these web sites (which lowers the security posture of the web traffic) or bypassing the inspection of the encrypted traffic all together, a stance that may imperil threat prevention and information security.

Market-leading CASB capabilities

Analyst firms Gartner and Forrester Research both recognize the Symantec Cloud Access Security Broker (CASB) offering, CloudSOC, as an industry leader. Web Security Service uses CloudSOC—with its database of over 23,000 cloud applications—to identify cloud use (including 'shadow IT') and set policies to control employees' use of cloud applications. Our primary cloud competitor does not have its own CASB offering and instead offers integrations with a few offerings from CASB vendors. One of their CASB partners, Skyhigh Networks, was recently acquired by McAfee, which may put the future of that partnership in doubt.

Market-leading data loss prevention (DLP) service

Gartner and Forrester also recognize Symantec Data Loss Prevention as the market's leading DLP solution. Web Security Service can deliver this complete DLP solution via the cloud or on-premises through our innovative Web Security Service and Data Loss Prevention integration. Our primary competitor, in contrast, offers a limited DLP solution based on simple regex rules. Most enterprises need much more than simple 'credit card detection-type' rules to accurately detect and enforce information security policies. Our competitor's website offers no independent third-party comparative analysis of their DLP capabilities.

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Highlights:

Competitive Differentiation

- Superior threat prevention:
  - Symantec Global Intelligence Network data feeds
  - Dual antivirus scanning
  - Web isolation and sandbox options
- Secure SSL/TLS inspection capabilities received the only 'A' rating in third-party comparative testing
- Cloud Access Security Broker (CASB) capabilities recognized as industry leader
- Data Loss Prevention (DLP) capabilities recognized as industry leader
- Optimized for Microsoft Office 365 traffic security
- Symantec Endpoint Protection (SEP) integration:
  - Single agent—SEP routes traffic to Web Security Service
- Optional SD-WAN connectivity to the Symantec Cloud available (SD-Cloud Connector)
- Optional email security available in bundled solution (Symantec Email Security.cloud)
- Deployment flexibility for cloud or hybrid models

Security for Office 365

Many cloud security vendors, including our primary competitor, do not provide deep security policy enforcement on Office 365 traffic because they cannot maintain performance while securing traffic. Symantec is different. We have partnered with Microsoft to optimize our cloud security network to secure Office 365 traffic. Web Security Service protects Office 365 in everything from simply authenticating and logging Office 365 access for compliance and audit requirements to inspecting encrypted traffic (such as files going back and forth from OneDrive) for malware/ransomware or data loss prevention policy violations. Additionally, we have built our globally distributed cloud network with performance optimization technologies—such as content peering with Microsoft and TCP window scaling—that ensure optimal customer experience.

Symantec Endpoint Protection (SEP) and Endpoint Protection Mobile (SEP Mobile) Integration

SEP, positioned by Gartner, Inc. in the Leaders quadrant of their "Magic Quadrant for Endpoint Protection Platforms" since its inception in 2002, and SEP Mobile can be configured to send web traffic directly to the Web Security Service for enforcement of network-based security policies. As a result of this integration, enterprises can use a single endpoint agent to implement a comprehensive defense-in-depth security strategy, with complete protection deployed across the endpoint and the network. Enterprises using SEP and SEP Mobile do not need to deploy and manage a separate Web Security Service agent on their endpoints, reducing IT cost and complexity.

SD-WAN connectivity for branch and remote offices

Implementing optional Symantec SD-Cloud Connector in branch or remote locations provides fast and reliable connectivity to the Symantec Web Security Service cloud, as well as local firewall and network bandwidth control capabilities. We have also certified a number of partner SD-WAN solutions for interoperability with Web Security Service.

Web Security Service + Email Security.cloud

Enterprises can combine web and email security using Symantec Email Security.cloud, an advanced solution that protects organizations from email-based threats and enforces DLP policies in email applications. It offers multilayered detection technologies—including advanced heuristics, deep link evaluation, and cloud-based sandboxing—to block spear phishing and malware. Our primary competitor, in contrast, does not offer an email security solution.

Cloud adoption at your own pace with hybrid deployment options

The full Symantec portfolio of Secure Web Gateway solutions range from physical/virtual appliances to a complete cloud-based SaaS service (Web Security Service). Whether an enterprise runs its applications purely in the cloud or on a hybrid mix of cloud and on-premises, it can centrally manage security and threat prevention policies using the Symantec Universal Policy Enforcement capability. Our primary competitor is cloud-only, it does not offer a high-performance on-premises option and cannot support an enterprise-class hybrid model.

Web Security Service Compared to a Primary Competitor

Capabilities	Competitor	Symantec
Cloud App Data & Controls (CASB)	Partnerships	23K
Data Loss Prevention (DLP)	No published reviews	Forrester Wave and Gartner MQ Leader
Threat Intelligence	Below average	Above averaga
Granular Policy Settings (1)	Limited	Detailed
Predictive File Analysis	No	Yes
Web Isolation	No	Yes
Global Datacenters with Peering	Yes	Yes
Email Security	No	Yes
Integrated with Endpoint Security	No	Yes
SD-WAN	Partners	Symantec & Partners
Hybrid Deployment Support	Limited	Full, with ability to centrally manage policies for all gateways

(1) Corporate Web Security – Market Quadrant 2016, The Radicati Group, Inc.

About Symantec

Symantec Corporation (NASDAQ: SYMC), the world's leading cyber security company, helps organizations, governments and people secure their most important data wherever it lives. Organizations across the world look to Symantec for strategic, integrated solutions to defend against sophisticated attacks across endpoints, cloud and infrastructure. Likewise, a global community of more than 50 million people and families rely on Symantec's Norton and LifeLock product suites to protect their digital lives at home and across their devices. Symantec operates one of the world's largest civilian cyber intelligence networks, allowing it to see and protect against the most advanced threats. For additional information, please visit **www.symantec.com** or connect with us on **Facebook**, **Twitter**, and **LinkedIn**.

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