Symantec WebFilter

Control Access to Web Content and Block Web Threats

Introduction

Symantec WebFilter boosts business productivity by blocking malware downloads and web threats, and enabling compliance. A key element of the Symantec Secure Web Gateway solution, WebFilter is the next generation of web filtering, combining URL filtering and anti-malware technologies together in a collaborative defense. WebFilter is continuously updated by Symantec Global Intelligence Network, which detects hidden malware and provides reputation and web content analysis based on input from our 15,000 customers and their millions of users worldwide. The Global Intelligence Network provides cloud intelligence to multiple Symantec products, including ProxySG, Content Analysis System, Malware Analysis and Security Analytics. You can also identify and control popular web applications by setting policies through the WebFilter web application policy engine.

Awareness & Response

WebFilter collects and analyzes over a billion previously uncategorized new web requests a day from our 15,000 enterprise customers including over 70% of the Fortune Global 500:

- The Global Intelligence Network has eight operation centers to support cloud defense analysis of over one billion web requests per day
- New web content or links detected by web gateways or remote clients are sent in real-time to the Global Intelligence Network for Dynamic Link Analysis (DLA) inspection where updates to the master WebFilter database provide immediate protection
- Blocks malware, web threats, fake software updates, fake AV offers, phishing offers and botnets or keyloggers calling home
- Blocks only web threats using DLA inspection, allowing users access to popular websites and avoiding over blocking
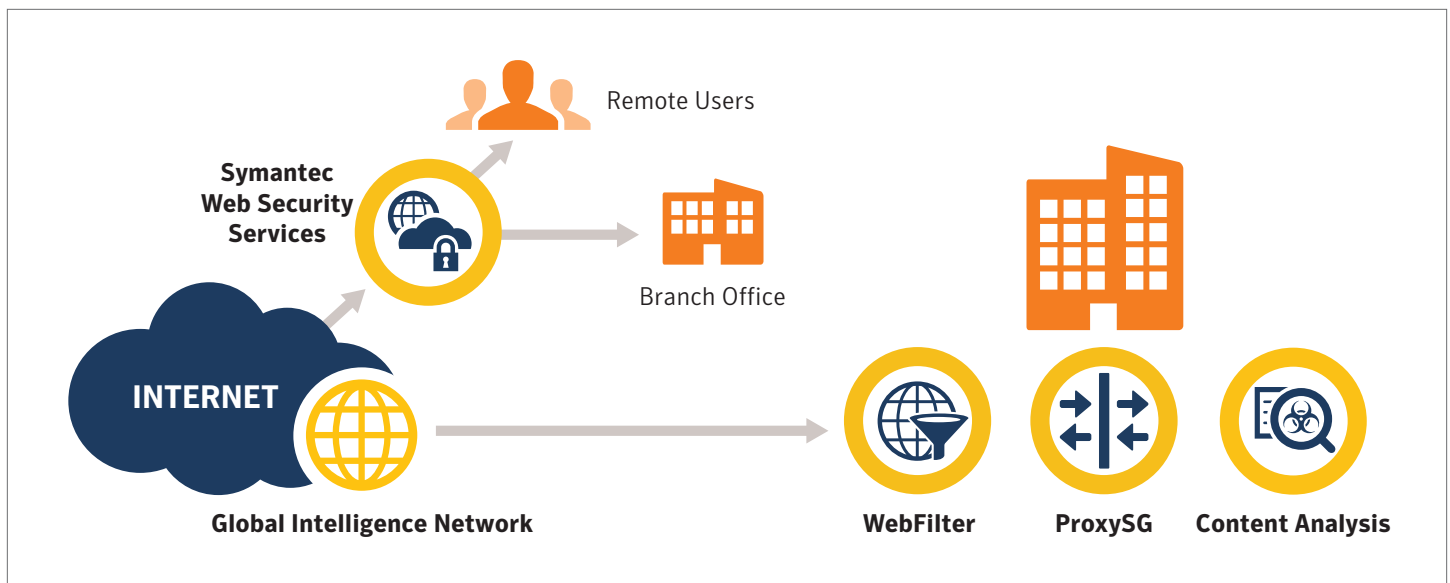
- Provides advanced web filtering for mashed-up or customized web portals, blocking panels and dynamic content per policy settings
- Provides coverage in over 60 languages using proprietary machine analysis knowledge algorithms and human raters.

Accuracy & Relevance

WebFilter is 100% user driven for web content rating inputs from a broad and diverse user community without the need for web crawlers or artificial analysis:

- For new customers, WebFilter quickly learns user web habits with real-time feedback for relevance in new ratings
- WebFilter analyzes objectionable content, within image searches, cached content, and translation services for accurate ratings and compliance with its real-time rating service
- Extend WebFilter with custom categories, plus ProxySG supports up to four URL lists enabling global, regional and local filtering possibilities, including child protection
- WebFilter provides reputation ratings so policy controls can opt for inline threat analysis, or blocking downloads such as drive-by installers and executables from these sites
- Proxy Avoidance protection comes from WebFilter ratings plus ProxySG controls for user-agents and invalid SSL session controls

Effectiveness and Security

WebFilter provides advanced web protection and content ratings with cloud awareness from a global user community and an array of threat prevention technologies in the cloud and on the web gateway:

- Downloads and patch cycles are no longer required as web gateways and remote clients are cloud connected for immediate protection with rating updates
- Offers leading edge advanced web defense by uniting URL filtering with threat analysis in a cloud architecture to rapidly find hidden malware downloads, fake software updates, scamware and phishing attacks
- Protect mobile users and remote branch offices with our Cloud-Delivered Web Security Services for unified Web security and to avoid back-haul traffic to a central office.

Dynamic Cloud Protection

The Global Intelligence Network uses DLA with four key elements to its architecture:

- A cloud connected user community from our 15,000 customers and their millions of users worldwide
- Real-time input of any new web links or content to the cloud analysis centers (web gateway participation is optional, with on, off or passive mode settings)
- Immediate cloud analysis of new web links using proactive machine analysis, a bank of anti-malware engines, web hunters, human raters, active script analysis, and exploit detection modules.
- WebFilter master cloud database updates to immediately protect all cloud connected web gateways and clients with new ratings
- WebFilter is continuously updated by the Global Intelligence Network using a DLA architecture that is unmatched by any other URL filtering solution
- The Global Intelligence Network and DLA define the next generation of URL filtering for advanced web content and dynamic links

Reporting and Visibility

Extend WebFilter with Symantec Reporter to provide visibility and governance verification of web filtering policies:

- Symantec Reporter has an entirely new interface, workflows, custom dashboard and reports
- Performance of up to 10B log lines for over 150,000 users using an optimized custom database
- Enable access for up to 50 administrators to their own dashboard and reports they customize for their line of business or department
- ProxyClient leverages Reporter for visibility of remote filtering by user, group or custom view
- WebFilter, Reporter and ProxyClient combine to create an unmatched enterprise filtering solution

WebFilter database contains millions of website ratings representing billions of web pages, covering more than 60 languages, and organized into over 80 useful categories.

- Abortion
- Adult/Mature Content
- Alcohol
- Alternative Spirituality/ Belief
- Art/Culture
- Auctions
- Audio/Video Clips
- Brokerage/Trading
- Business/Economy
- Charitable/Non-Profit
- Chat (IM)/SMS
- Child Pornography
- Cloud Infrastructure
- Compromised Sites
- Computer/Information Security
- Content Delivery Networks
- Controlled Substances
- Cryptocurrency
- Dynamic DNS Host
- E-Card/Invitations
- Education
- Email
- Email Marketing
- Entertainment
- File Storage/Sharing

- Finance
- For Kids
- Gambling
- Games
- Gore/Extreme
- Government/Legal
- Hacking
- Health
- Humor/Jokes
- Informational
- Internet Connected Devices
- Internet Telephony
- Intimate Apparel/ Swimsuit
- Job Search/Careers
- Malicious Outbound Data/Botnets
- Malicious Sources/ Malnets
- Marijuana
- Media Sharing
- Military
- Mixed Content/Potentially Adult
- News
- Newsgroups/Forums
- Nudity

- Office/Business Applications
- Online Meetings
- Peer-to-Peer (P2P)
- Personal Sites
- Personals/Dating
- Phishing
- Piracy/Copyright Concerns
- Placeholders
- Political/Social Advocacy
- Pornography
- Potentially Unwanted Software
- Proxy Avoidance
- Radio/Audio Streams
- Real Estate
- Reference
- Religion
- Remote Access
- Restaurants/Food
- Scam/Questionable Legality
- Search Engines/Portals
- Sex Education
- Shopping
- Social Networking
- Society/Daily Living

- Software Downloads
- Spam
- Sports/Recreation
- Suspicious
- Technology/Internet
- Tobacco
- Translation
- Travel
- TV/Video Streams
- Uncategorized
- URL Shorteners
- User-Defined
- Vehicles
- Violence/Intolerance
- Weapons
- Web Ads/Analytics
- Web Hosting
- Web Infrastructure

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, subscribe to our blogs, or connect with us on Facebook, Twitter, and LinkedIn.

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