PRODUCT BRIEF

PROBLEM

How to protect users from malware and phishing threats often delivered by uncategorized and potentially risky websites without over-blocking access to the web.

SOLUTIONS

- High Risk Isolation included in Symantec Secure Web Gateway (SWG)
- Symantec Web Isolation

BENEFITS

- Automatically protect access to uncategorized or potentially risky sites
- Increase business productivity by giving employees access to a broader set of websites
- Secure web browsing for executives and privileged users whose access to sensitive documents and systems makes them highly prized targets for cyber criminals
- Prevent users from disclosing corporate credentials to malicious websites
- Avoid patient zero by blocking advanced malware and targeted phishing attacks, minimizing alerts, investigations and remediation efforts
- Simplify web access policies and minimize support tickets requesting access to blocked sites

Symantec® Web Isolation

Adaptive Rendering, Document Isolation and Advanced Threat Protection for Cloud Solutions

The Uncategorized and Risky Web: Critical Attack Vectors

IT security teams experience a constant barrage of attacks attempting to penetrate defenses and steal data. According to Symantec® research, the vast majority of these cyber attacks originate from the web and email.

Cyber criminals leverage a variety of malware and social engineering tactics to dupe employees into infecting devices and networks with malware, often by luring them to malicious websites.

Millions of new Internet hosts (domains and sub-domains) are born every day. The vast majority of these exist for less than 24 hours, coming up and down quickly. Analysis reveals that while the majority of these hosts have valid business purposes, many of them are tools for hackers. These sites, valid and malicious, are often not quickly categorized and analyzed for risk and may not be blocked by web filtering and threat intelligence services because they have such a short-lived reputational history. Without proper categorization, classification, or assignment of a risk profile, security professionals have a real challenge on their hands with transient and unknown websites.

Some enterprises set policies that completely block sites when they are uncategorized or if they go beyond a risk rating threshold. This typically results in over-blocking employee web use as valid sites get caught in these types of policy rules. Others may choose to roll the dice and permit access to these types of sites in order to not impede employee ability to perform business activities, but this opens up the organization to undo risk. This risk is magnified in the case of privileged users, who are prized targets for cyber criminals because of the significant access rights and sensitive data typically found on their machines.

Web Isolation: Expand Web Access, Protect Privileged Users, and Combat Phishing Attacks

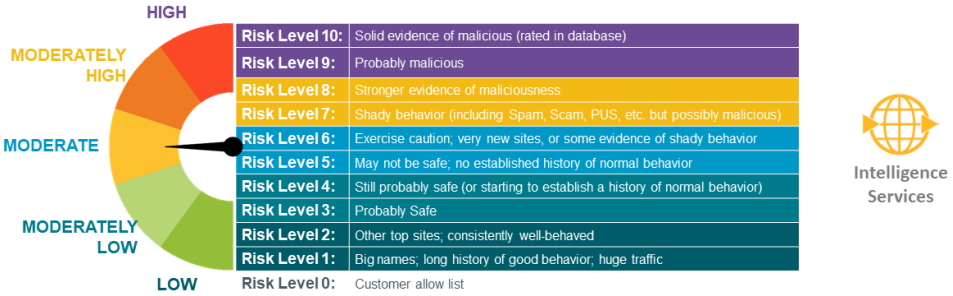
Web isolation eliminates web threats and solves the challenge of providing secured access to uncategorized and potentially risky websites. Symantec offers its leading web isolation technology to customers in two ways: High Risk Isolation (included in Symantec SWG), and Symantec Web Isolation.

Product	High Risk Isolation	Symantec Web Isolation
How to Buy	*Purchase Symantec SWG.*	*Purchase Symantec Web Isolation as a stand-alone license.*
Compatibility	*Cloud SWG and Edge SWG both include High Risk Isolation.*	*Integrate with Cloud and Edge SWG, and other on-premises web gateways.*
Isolation Control	*Isolate risk level 5 websites and above. There are no complex policies to manage.*	*Have full control over which websites to isolate. Set the risk levels based on your needs.*
User Control	*Apply the same policy equally to all users.*	*Apply different policies and controls to different user types.*

High Risk Isolation

High Risk Isolation is included in Symantec SWG. This allows high-risk websites (risk level 5 and above) to be isolated, helping organizations significantly reduce web-based risk. In addition to High Risk Isolation, Symantec offers an advanced cloud-delivered Secure Web Gateway and leading on-premises Secure Web Gateway deployment—both of which can operate seamlessly together with a unified management, reporting, and policy-control interface. It also includes Threat Intelligence, SSL inspection, content analysis, isolation, and sandboxing, solutions that help customers understand, prioritize, store and protect critical data.

Figure 1: Risk Levels



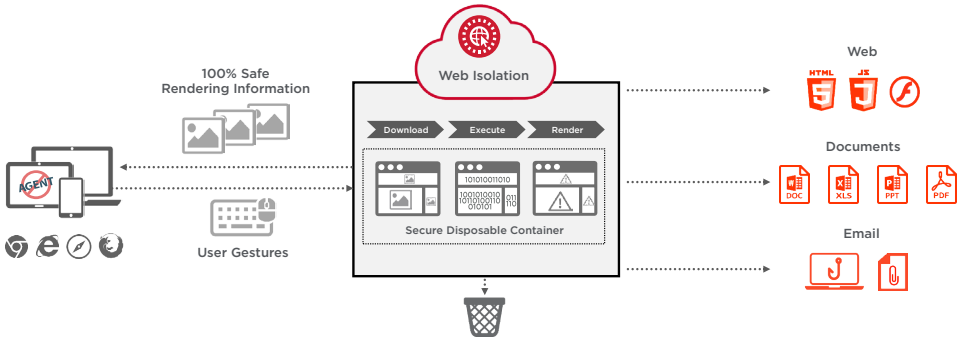
Symantec Web Isolation

Second, customers can access the full range of isolation capabilities by adding Symantec Web Isolation to their Symantec solutions.

Enterprises can use Symantec Web Isolation to provide enhanced security for privileged users who have unique access to sensitive data and critical systems. Policies can be configured to send all web traffic from these users through an isolation path, which can protect them from web-based threats. Symantec Web Isolation integrates with Symantec Cloud SWG and a number of on-premises web gateway solutions.

Additionally, Symantec Web Isolation can combat phishing attacks by making email links to malicious websites harmless. These sites, when isolated, cannot deliver their malware, ransomware, or other advanced threats to the email recipient's machines. Symantec Web Isolation can also prevent users from submitting corporate credentials and other sensitive information to these sites by rendering them in read-only mode.

Figure 2: Symantec Web Isolation Inputs and Outputs



Symantec transparent clientless rendering technology provides a seamless user experience through the native browser, indistinguishable from browsing directly to the web. Symantec Web Isolation does not require any endpoint or plug-in installation and supports any OS, device, and browser—which allows for enterprise-scale deployments.

Symantec technology can handle web resources remotely, eliminating the need to send exploitable web content to the browser. Offered as a managed cloud service, Web Isolation is integrated with Symantec Secure Web Gateway solutions and is a critical component of an effective SASE foundation. Additionally, Web Isolation is integrated with Symantec Threat Protection and DLP capabilities to ensure that all content is inspected for threats and data protection policies. Symantec SWG (Cloud or Edge) includes High Risk Isolation, providing organizations a simple way to protect users from web pages that present the highest levels of risk.

Symantec Web Isolation policies can be configured to send traffic from uncategorized sites and sites with potentially unsafe risk profiles down a Web Isolation path, allowing users access to these sites while helping to ensure the enterprise is protected from any threats these sites pose to the business.

The addition of Web Isolation to Symantec Secure Web Gateways maximizes business and user productivity with secure, unrestricted web access to uncategorized and potentially risky websites while minimizing operational overhead and complexity related to managing web access policies, support tickets, security alerts, and forensic investigations.

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