

# Ericom Shield and McAfee Web Gateway

Prevent web-borne malware and ransomware with advanced web isolation

Numerous research studies highlight the fact that the browser is the most vulnerable attack vector, through which more than 60% of unknown malware penetrates organizations. Even though browsing is a common and essential business practice in all organizations, and despite the array of products aimed at protecting the endpoint, users are still susceptible to browser-borne threats. In attempt to secure the corporate network environment, organizations risk overblocking or underblocking users' web traffic, adversely impacting business operations and user productivity. Ericom Shield enables remote browser isolation that effectively renders web contents into images, without compromising the user experience or introducing the complexity of browser agents. The integration with McAfee® Web Gateway enables web content to be proactively redirected to Ericom Shield for secure browsing outside of the corporate network, thereby adding a layer of protection for endpoints and internal assets.

## McAfee Compatible Solution

- Ericom Shield
- McAfee Web Gateway



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## SOLUTION BRIEF

### The Challenge

The internet has become a critical component in daily business operations, and organizations have sought effective ways to ensure the safety of employee browsing and the security of corporate networks. Each successive generation of browsing solutions has significant weaknesses, including inadequate user experience, higher-than-expected costs, insufficient levels of security, and burdensome administration requirements.

Remote browser isolation is the most secure approach, offering seamless browsing experience via a remote browser residing off the corporate network in either the demilitarized zone (DMZ) or cloud. It does not require an agent installation on the endpoint and keeps all potential malware isolated in disposable Linux containers that are disposed of shortly after the browsing session is complete.

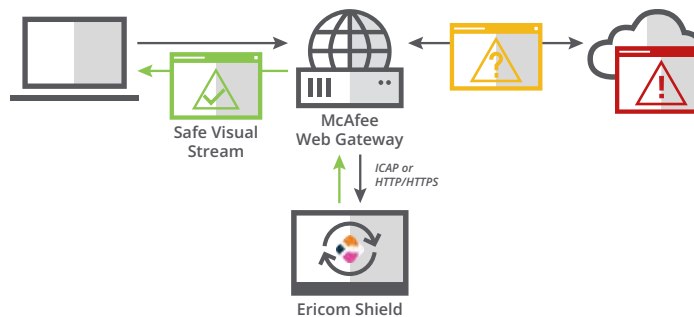
### Shielded Protection

Ericom Shield adds a powerful layer to defense-in-depth strategy by remote execution and rendering of web contents into images outside of the corporate network, therefore keeping malware, ransomware and other threats from ever reaching internal network and the end-user devices wherever they reside. This is achieved by ensuring that no active code is running on the endpoint. Additionally, it includes a file sanitization engine for safe web downloads, thus reducing risk, costs, and operational burden to IT staff responsible for securing web access. Ericom Shield harnesses the power of isolation to deliver secure browsing and protect the corporate network and endpoints.

### McAfee and Ericom Joint Solution: How It Works

McAfee Web Gateway enables secure web connectivity for every user, device, and location. Deployed on premises or in the cloud, McAfee Web Gateway brings together web filtering, content inspection, antivirus, data loss prevention, and other capabilities for enterprise-scale web traffic protection. Ericom Shield adds another layer of defense-in-depth security to internet web browsing with McAfee Web Gateway by:

- Isolating browsing of all web content by creating an “air-gap” between the browser and end-user device such that active code does not run on the device
- Browsing session execution within a dedicated, remote, hardened Linux container, which is destroyed shortly after the browsing session ends
- Accepting redirection of uncategorized, or even all, web content from McAfee Web Gateway, using the Internet Content Adaption Protocol (ICAP), or alternatively, providing an isolation-based layer of defense for HTTP/HTTPS traffic that has been initially inspected by McAfee Web Gateway
- Obfuscating the web content as a visual stream that is safely displayed by the local browser



### Key Benefits

- Ericom and McAfee block malicious content in the DMZ, never allowing it into the internal network.
- It is clientless, so there's nothing to install on the end-user device.
- Device-agnostic solution supports all devices, browsers, and operating systems.
- Remove the risk of users unknowingly clicking on malicious objects that contain ransomware, and other web-borne threats.
- Easy and fast on-premises or cloud deployments enable you to get up and running quickly.
- Execute reports displaying usage trends, file activity, audit trails, and more.

Figure 1. McAfee Web Gateway and Ericom Shield work together to provide secure web browsing.

## SOLUTION BRIEF

### Summary

With virtualization becoming mainstream and containers maturing quickly, isolation has emerged as one of the leading technologies for next-generation security solutions. Ericom Shield leverages the unique strengths of isolation to address the most vulnerable attack vector in the organization: the browser. The Ericom Shield system was designed to provide high availability and scalability. Redundancy is built in, so the system can dynamically adapt to the changing browsing needs of organizations of any size.

Working in concert with McAfee Web Gateway, the Ericom Shield remote browser isolation solution executes websites in an isolated browser located in a disposable Linux container, remote from organizational networks. This allows end users to safely browse uncategorized and lesser-known sites that may not be recognized by existing filter rules. Even sites that are trusted will benefit from secure browsing as they may be compromised at any moment.

Ericom Shield is a seamless complement to McAfee Web Gateway's security features. Together, they provide the customer with a complete security solution for preventing web-borne malware and ensuring safe and productive web browsing.

### About Ericom

Ericom Software ([www.EricomShield.com](http://www.EricomShield.com)) is a global leader in enterprise-grade cybersecurity and connectivity software. Founded in 1993, Ericom provides solutions to a global customer base of more than 30,000 medium-size companies to Fortune 500 organizations. With a focus on application delivery, cloud enablement, and secure browsing, Ericom is trusted by customers in more than 45 countries and serves more than eight million users at 30,000 organizations of all sizes.

### About McAfee Web Gateway

Deploy on premises with appliances, in a virtual environment, or in the cloud for powerful, proactive protection against zero-day threats, spyware, and targeted attacks, McAfee Web Gateway combines this advanced security with flexible, granular control, enabling your business to take maximum advantage of the web without compromise.

### Learn More

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For more information or to start an evaluation of Ericom Shield and McAfee Web Gateway, contact your McAfee representative or channel partner.



2821 Mission College Blvd.  
Santa Clara, CA 95054  
888.847.8766  
[www.mcafee.com](http://www.mcafee.com)

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