

Ericom Shield Remote Browser Isolation

PROTECT YOUR ENDPOINTS AND NETWORK FROM BROWSER-BASED ATTACKS



Ericom Shield Remote Browser Isolation (RBI) protects your data and networks from browser-borne malware while enabling users to freely browse the websites they need. By isolating *all* browser-executable code from endpoints, Ericom Shield reliably protects against unpatched browsers and plug-ins, zero-day threats, targeted attacks within web content and infected file downloads, while reducing operational burden on IT staff.

Browsers: The #1 Enterprise Threat Vector

Endpoint attacks are on the rise

Ponemon reports that 64% of businesses experienced endpoint attacks that compromised data assets or IT infrastructure, up from 54% just one year before.

Anti-virus and URL filtering aren't enough

Three-fourths of attacks use unknown or zero-day malware, and anti-virus solutions miss 57% of attacks. Fileless attacks, which anti-virus can't catch, are on the rise, too. Site categorization approaches lets malicious code slip in on whitelisted sites.

IT is struggling to keep up

Detection-based approaches require frequent resource-intensive patching and updates. They also yield many false positives and security alerts that burden IT and information security teams.

Remote Browser Isolation is the answer

Remote Browser Isolation executes each website in an isolated virtual browser, remote from organizational networks. Rendered as a safe media stream and delivered to endpoint browsers, it provides a native, interactive and seamless browsing experience. Browser-executable code is effectively "air-gapped" away from endpoints, so networks are protected from even zero-day threats.

Ericom Shield protects against...

- Web-borne malware and ransomware, both known and unknown
- Cryptomining malware
- Drive-by downloads
- Zero-day vulnerabilities in browsers and plug-ins
- Malicious links in emails
- Infected files for download from websites
- Uncategorized sites

What's Running in Your Browser

	Java Scripts	CSS Scripts	External URLs
Typical Unsecured Browsing	152	3	22

	Java Scripts	CSS Scripts	External URLs
Ericom Shield Secure Browsing	4	0	0

Page Source with Unsecured Browsing

```
<script src="//www.google.com/jsproxy/_/static/js/...>
```

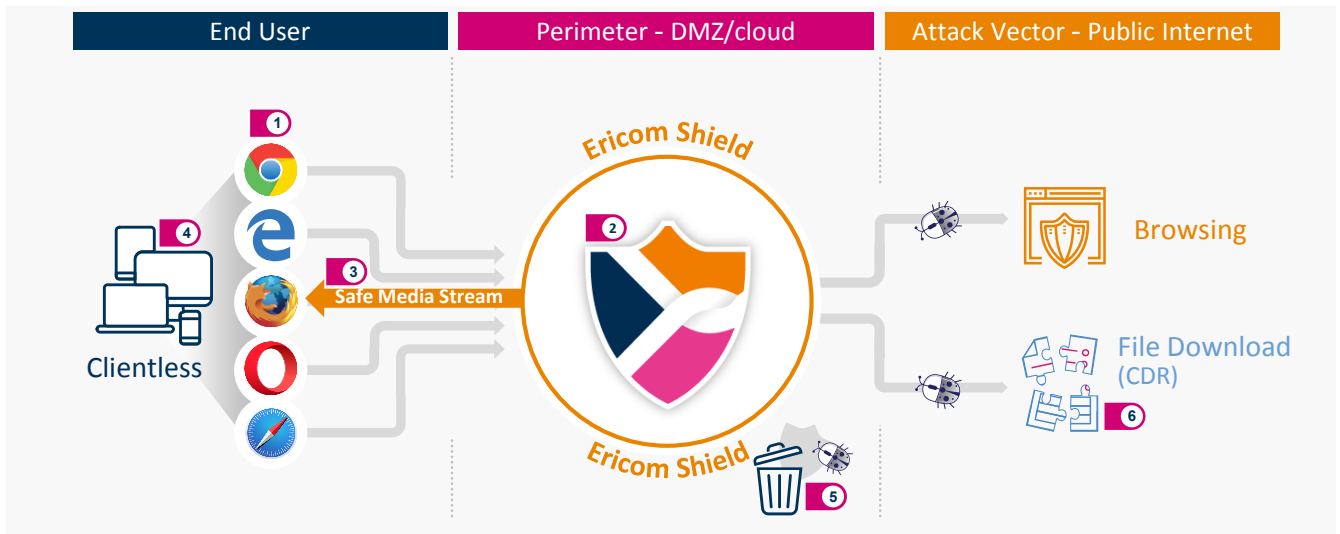


Page Source with Ericom Shield

```
<script src="//icag-server.service.comapi/clientid.js"></script>
```

The Ericom Shield Solution

How Ericom Shield keeps malware out



- 1 When a user opens an uncategorized site in his or her browser...
- 2 Ericom Shield instantly powers up a virtual browser in a remote Linux container
- 3 Site code executes in the virtual browser, far from the endpoint, generating a safe media stream
- 4 Streamed in real time to the end user device, the media stream provides a native, interactive and threat-free browsing experience
- 5 To prevent leakage of sensitive data between sessions (cross-site scripting), each browser session or tab gets its own isolated container. When a session is closed or inactive, the container is destroyed, along with all code
- 6

Downloaded files are scanned and cleansed using a pre-integrated Content Disarm and Reconstruction (CDR) process before they're released to the user

Why you need Ericom Shield

- Blocks the most prevalent cyber attack vector threatening organizations
- Increases productivity by enabling safe user access to essential websites and downloads
- Prevents costly business disruption, system downtime, and reputation damage from cyber attacks
- Clientless technology makes deployment and management simple
- Increases IT productivity by minimizing false positives and helpdesk calls
- Works with all browsers, devices and operating systems
- Eliminates risk from infected file downloads
- Gathers exportable data for post-event forensics

About Ericom Software

Ericom 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 organizations of all sizes.



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