Ericom Shield for Secure Browsing

SEAMLESS AND THREAT-FREE INTERNET USE FOR YOUR WORKFORCE

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Ericom Shield adds a powerful layer to your defense-in-depth strategy by isolating malware, ransomware and other threats where they can't harm your network and user devices. Empower end users with full, transparent Internet use, including file downloads, while reducing risk, costs and operational burden on your IT staff.

Browsers: The #1 Enterprise Threat Vector

The crippling costs of browser-based malware

Few essential business activities are as risky as browsing the web, with 80% of security breaches originating from browser and email threat vectors. In the 25-year battle between cybercriminals and security products, the bad guys are winning: Ransomware costs US companies over $1bn per year and attacks are growing more frequent.

Why current solutions just aren't enough

Detection-based approaches can't reliably distinguish legitimate content from malware. Site categorization lets malicious code slip in on whitelisted sites. Both methods are reactive, deploying defensive measures only when a potential threat is detected, and require frequent resource-intensive patches and updates.

Remote Browser Isolation is the answer

Remote Browser Isolation executes each website in an isolated browser located in a disposable Linux container, remote from organizational networks. Rendered as a safe content stream and delivered to endpoint browsers, it provides a native, interactive and seamless browsing experience. Because active website content never reaches your endpoints, networks are protected even from zero-day threats.

> ### Ericom Shield provides…
>
> – A critical defense-in-depth layer that stops web-borne malware before it reaches endpoints and networks
>
> – Protection against known and unknown malware and ransomware, and zero-day threats
>
> – Strong defense against malware in websites, email links and downloaded content

What's Running on *Your* Browser

Typical Unsecure Web Browser
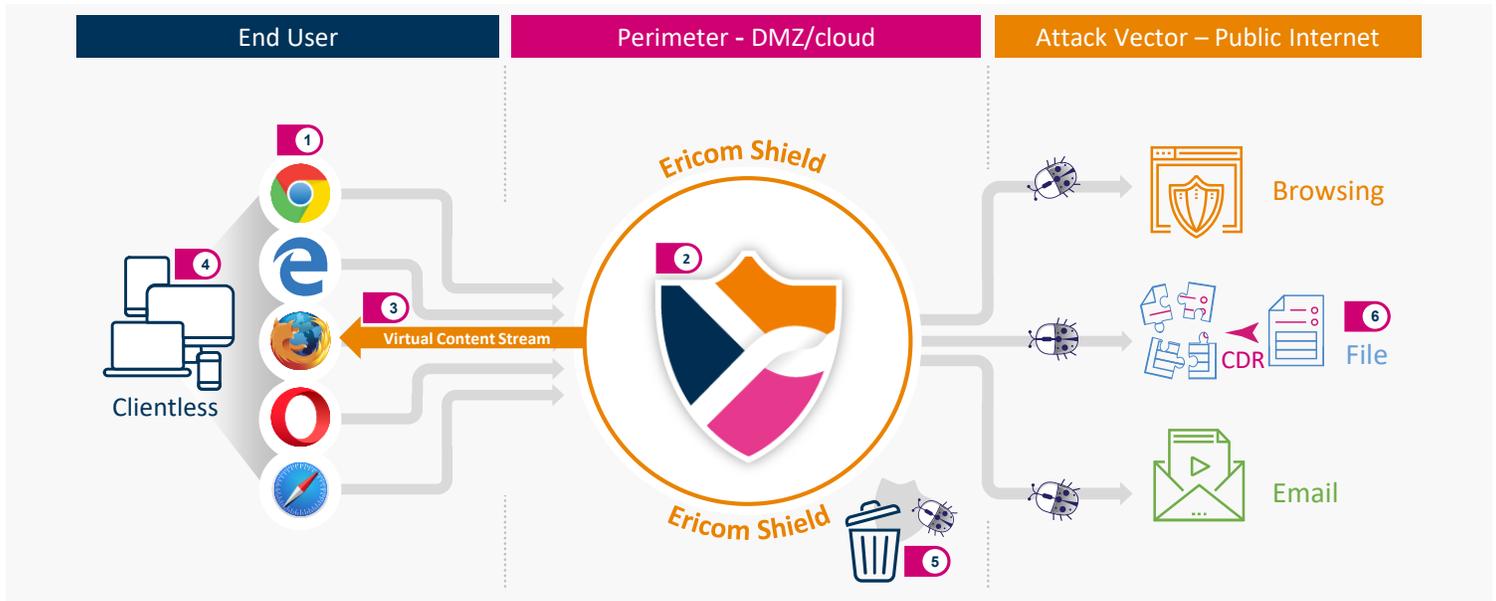
152 Java Scripts | **3** CSS Scripts | **22** External URLs

Ericom Shield Secure Browser

4 Java Scripts | **0** CSS Scripts | **0** External URLs

The Ericom Shield Solution

How Ericom Shield keeps malware out

End User	Perimeter - DMZ/cloud	Attack Vector – Public Internet

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 virtual content stream

4. Streamed in real time to the end user device, the virtual content 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 very own isolated container. When a session is closed or inactive, the container is destroyed, along with any malicious 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 helpdesk calls
- Frees users to choose any browser, device and operating system
- Eliminates risk from file downloads with pre-integrated file sanitization technology
- Gathers exportable data for post-event forensics

About Ericom Software

Ericom Software provides simple, secure solutions for remote access, desktop virtualization (VDI) and web security, with a focus on application delivery, cloud enablement, and secure browsing. Since 1993, Ericom has been helping users to securely access enterprise mission-critical applications running on a broad range of Microsoft Windows Terminal Servers, Virtual Desktops, legacy hosts, Linux and other systems. Ericom has offices in the United States, United Kingdom and EMEA. Ericom also has an extensive network of distributors and partners throughout North America, Europe, APAC, and Africa. Our expanding customer base is more than 30 thousand strong, with over 10 million users.

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