

Ericom Shield for Education

Internet Filtering and Content Caching for Managing and Securing Internet Access

Internet Access and Security Challenges

The increased use of the web in classroom curricula along with the proliferation of online and mobile learning has introduced significant compliance and security challenges for IT administrators in the field of education.

Ericom Shield Internet Filtering and Security solution gives schools the comprehensive tools they need to enable secure access to valuable internet-based educational content across a wide range of devices and browsers. It provides granular controls to filter web content and regulate internet access. Robust remote browser isolation and file sanitization capabilities are specifically designed to protect educational institutions from ransomware and other advanced threats that typically infiltrate via the Internet. This innovative platform even enables students studying cybersecurity and cyberdefense to securely access the dark web for research and educational purposes.



Internet Filtering

Ericom Shield allows organizations to set granular policies to enforce acceptable web use guidelines. Locations can be blocked to prevent exposure of harmful content and ensure CIPA compliance.



Content Caching

Caching can be enabled so content such as files, images and web pages are stored on the Ericom Shield proxy, thus improving web browsing performance and overall user experience.



Social Media and Video Controls

Social media sites such as Google, YouTube, Instagram, and Facebook include useful as well as content that's inappropriate for students. Ericom provides granular domain controls, allowing secure access to acceptable material while filtering out inappropriate content.



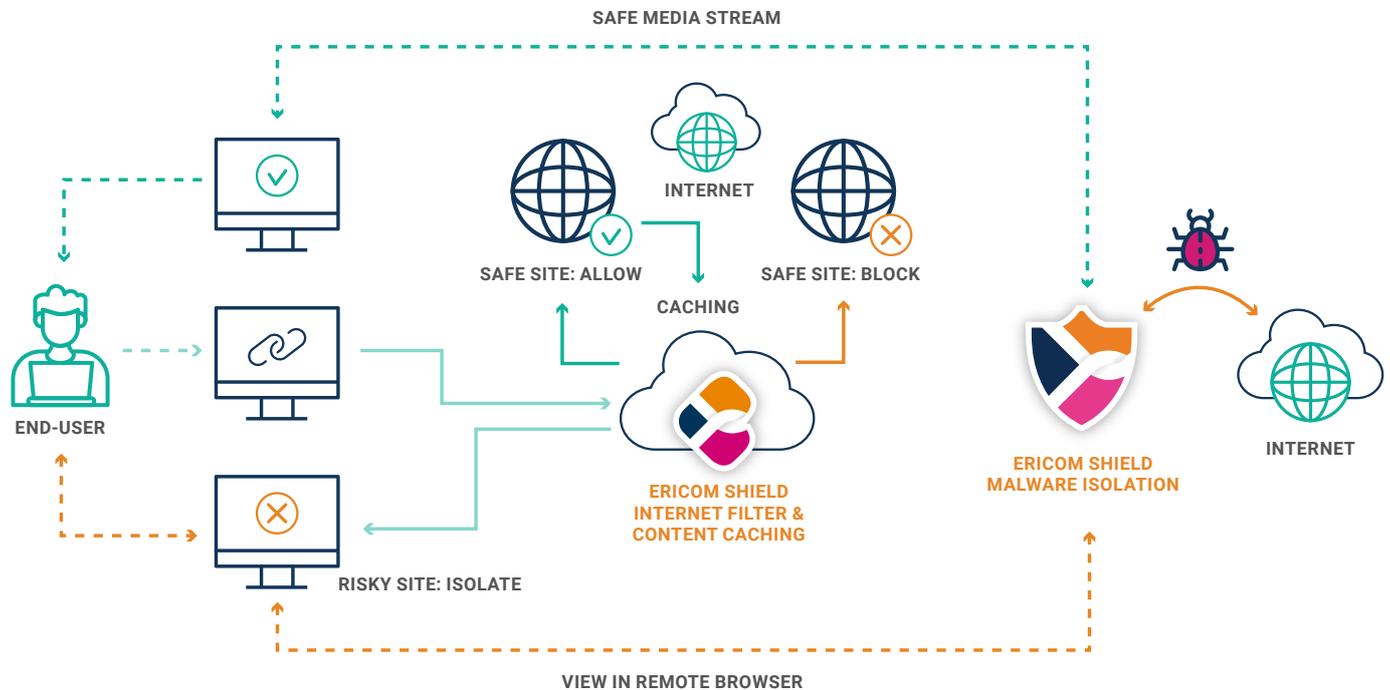
Web Security

Ransomware and other advanced threats are frequently hidden in the active content of web pages (e.g. javascript, ads, videos, fonts, etc.). Ericom Shield includes built-in content isolation, that will render suspicious websites in a remote isolated container, ensuring any malware contained on the site cannot infect a user's device. In addition to protecting students and faculty, this capability gives cybersecurity students and teachers the ability to research the dark web without fear of malware infecting their devices.

Ericom Shield at a Glance

- Internet filter secures internet access for students, faculty, and staff
- Masks IP address of user accessing the web
- Blocks access to blacklisted sites (shielding users from inappropriate language, images, etc.)
- Prevents phishing and data theft
- Web caching ensures efficiently end-user internet access
- Session isolation enables safe browsing to high-risk websites and the dark web
- Eliminates over-blocking of websites typical of many traditional security solutions
- Students of cyberdefense, cybersecurity, and cybercrime can research the dark web without risk of malware attacks
- Available as on-premises software or as a cloud-delivered service
- Assists with CIPA compliance
- E-rate eligible (Internet Filter and Content Caching)

Ericom Shield Secure Internet Access



Ericom Shield Enables Compliant and Secure Access to the Internet

- Set granular internet filters to enforce acceptable use guidelines
- Block internet locations to prevent exposure of harmful content to students and faculty and ensure CIPA compliance.
- Feed-based filter protects users from sophisticated social engineering, credential theft, and phishing attacks
- Protect file downloads from the web with Content Disarm and Reconstruction (CDR) technology
- Web cache server temporarily stores (caches) previously requested web content to boost performance and improve end user experience
- Built-in browser isolation simplifies IT operations by minimizing false positives on web threats
- Works with all browsers, devices and operating systems

About Ericom Software www.ericom.com

Ericom Software provides businesses with secure access to the web and corporate applications, in the cloud and on-premises, from any device or location. Leveraging innovative isolation capabilities and multiple secure access technologies, Ericom's solutions ensure that devices and applications are protected from cybersecurity threats, and users can connect to only the specific resources they are authorized to access. Copyright © 2019 Ericom Software

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