

Secure Browsing for All Users with a Hybrid RBI Strategy

Work is Hybrid. Your Web Browsing Security Should Be, Too.

Cloud Hype, Hybrid Reality

With all the talk about cloud, it's easy to assume that infrastructure and operations leaders are busy putting big, bold cloud strategies in play. In reality, cloud accounts for only about 10% of current enterprise IT spending. Even in 2024, just 15% of total IT spend will be for cloud, according to Gartner.

Surprising, but smart: For many organizations, having one foot planted locally and the other in the cloud is the most logical stance since, in many instances, it delivers the best combination of user experience and total cost of ownership.

Remote Browser Isolation Goes Hybrid, Too

With the growth in remote work, enabling a "direct-to-web" path for off-site workers to securely access websites, cloud apps, and web-based email is smart and efficient. Eliminating the need to route traffic from remote offices back to centralized locations for security scanning before it goes out to the web and cloud allows organizations to lower cost and reduce latency. Deploying remote browser isolation (RBI) in the cloud is the best way to protect remote users as they access the web.

But what about on-site workers? Some users have returned to full-time in-office work and many more are adopting 1-, 2- or 3-days-per-week-in-the-office options. In locations like a corporate office, with a critical mass of users, a on-premises RBI deployment combines lowest latency and least total cost of ownership.



The Best User Experience from Every Location

Hybrid deployment of Ericom Remote Browser Isolation ensures that users get the excellent web experience they expect – a critical RBI success factor given the important role that web and cloud access play for most work. In-office users access RBI at LAN speed, on a server selected for optimum performance. Remote users, whether at home, a coffee shop, or a local WeWork location, connect directly to a local RBI cloud on-ramp to get isolated access to the web and cloud. If a business trip brings them to a new location, the Ericom solution automatically selects their closest on-ramp, ensuring optimal performance. And when they visit the corporate office? Their web traffic automatically routes to the local on-premises RBI system.

Hybrid Remote Browser Isolation

- Deploy Ericom RBI on-premises for users in the corporate office
- Complement on-premises RBI with cloud RBI deployed via Ericom's multi-tenant global cloud platform, providing a low latency "direct-to-web" secure browsing experience for remote users
- Web access policies configured on a user or group basis for a consistent web browsing experience, regardless of user location
- Users are seamlessly connected to the best available RBI connection, whether a local server or a nearby RBI cloud "on-ramp"
- Ericom Cloud RBI is available globally, interconnected across over 100 available PoPs around the world



Intelligent Security Policies Follow the User

Ericom policies can be configured for each user or group, so each individual's secure web access experience is completely consistent, whether they browse from home, in the office, or while on the road.

Ericom Remote Browser Isolation



Secure Browsing

Ericom Remote Browser Isolation renders websites in isolated containers located on remote servers or the cloud. Only safe rendering content representing the website is sent to the local device browser, providing a safe, fully interactive, seamless user experience.



Phishing Protection

Ericom RBI executes URLs embedded in emails away from endpoints, in remote virtual browsers in the cloud or remote server, so no phishing malware can reach endpoints. To protect against credential theft, sites can be sent to endpoints in read-only mode, preventing users from entering sensitive data like IDs and PWs.



Weaponized Downloads

Ericom RBI includes integrated CDR technology, so users can download files they need from websites and emails, without fear of embedded malware. These content sanitization capabilities detect and disarm embedded threats, then reconstruct the files and deliver them safely, with native functionality intact.

Ericom Remote Browser Isolation

- Neutralizes the most prevalent cyber attack vectors, web browsers & email
- Keeps employees productive by providing a native browsing experience that's fully secure
- Protects users from sophisticated social engineering, credential theft and phishing attacks
- Air-gaps browser-executable code, email links and downloads away from endpoints
- Opens each tab in a unique, disposable container to eliminate cross-site scripting attacks
- Simplifies IT operations by minimizing false positives and helpdesk calls
- Works with all browsers, devices and operating systems
- Cost-effective and flexible -- scales to add isolation for additional users



“Almost all successful attacks on users originate from the public internet and many involve web-based attacks. Security and risk management leaders can contain damage by using remote browser isolation to separate end user internet browsing sessions from enterprise endpoints and networks.”

Gartner

* Source: Innovation Insight for Remote Browser Isolation