

Not All Isolation Is Created Equal.

Remote web browser isolation squarely addresses the risk of executing potentially malicious content on an endpoint. However, not all isolation solutions maintain a native and seamless browser experience and can be deployed at cloud scale.

Internet Isolation Approaches:

- Remote Browser Isolation
- Virtual Desktop Infrastructure (VDI)
- Application Virtualization
- Client Virtualization

A New Approach to Stopping Web-Based Attacks

Internet isolation is an innovative approach that utilizes a remote web browser to load and run pages, including all embedded active content, inside a contained environment. The goal of this strategy is to isolate any potential browser infection away from the endpoint and user.

Despite its compelling security benefits, web isolation must also meet IT and end-user needs if it is to become a widely adopted and deployable security technology in the enterprise.

To that end, there are six key requirements for a practical web isolation solution:

- Preserves a **native user/browser experience** (with no impact productivity or interactivity)
- Provides a **clientless endpoint** for easy and rapid deployment (and seamless user experience)
- **Scales** to thousands of users located in diverse locations (and minimizes client and network resource usage) with a cloud-based delivery platform
- Shields and **protects endpoints** from all active and risky web content, providing 100 percent safety for all user workflows
- Is **purpose-built** for security (protecting the user and built on a secure platform)
- **Integrates with existing solutions** in the security stack—a Secure Web Gateway, for example

Meeting these requirements requires solving the challenging problem of transparently mirroring the isolated browser's rendered output (screens and audio) to the endpoint browser without requiring additional endpoint modifications (agents or special plug-ins) at cloud scale.



Internet Isolation

prevents malicious content from accessing the endpoint without impacting the user's browsing experience or requiring special client software or plug-ins

Internet Isolation Technology	Native User Experience— Interactivity/Productivity	Clientless —Endpoint	Cloud Scale— Resource Usage	Security—User and Platform
Remote Browser Isolation — Runs a browser in the cloud and renders browser output to the remote user on a local browser or software client				
Virtual Desktop Infrastructure (VDI) —Complete desktop isolation: Runs a desktop in the cloud and renders the display output to the remote user on a dedicated software or hardware client				
Application Virtualization — Application isolation: Runs an application in the cloud and renders the display output to the remote user on a dedicated software or hardware client				
Client Virtualization —Endpoint isolation: Runs a browser in an isolated environment inside an endpoint-based hypervisor				

100% FAIR POOR NONE

A Clear Choice: Menlo Security Internet Isolation

In a clear departure from other isolation technologies, Menlo Security's state-of-the-art Internet isolation solution efficiently delivers safe content to the end user's browser with a native user experience and without impacting on user productivity or requiring special client software/plug-ins. This approach to isolation allows Menlo to deliver core security prevention while still delivering traditional web security features.

To find out how Menlo Security solutions can protect your organization, contact us at ask@menlosecurity.com.

About Menlo Security

Menlo Security protects organizations from cyberattacks by seeking to eliminate the threat of malware from the web, documents, and email. Our cloud-based Isolation Platform scales to provide comprehensive protection across enterprises of any size, without requiring endpoint software or impacting the end-user experience. Menlo Security is trusted by major global businesses, including Fortune 500 companies and financial services institutions.

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