Versa Remote Browser Isolation

Block web-based threats and safeguard sensitive data with RBI natively integrated into Unified SASE.

As the primary gateway to the internet, browsers are a leading attack vector for malware and credential phishing. Versa Remote Browser Isolation (RBI), natively built into the Versa Unified SASE platform, proactively eliminates browser-based threats before they reach users and endpoints without disrupting productivity.

Expanding Browser Threats and the Limits of Inline Defense

Modern enterprises depend on browsers to power SaaS, cloud, and web application access, making the browser a primary attack surface. As web-delivered and zero-day threats grow more sophisticated, gaps can emerge in traditional inline defenses, particularly across hybrid work environments and unmanaged devices.

Modern Security Challenges

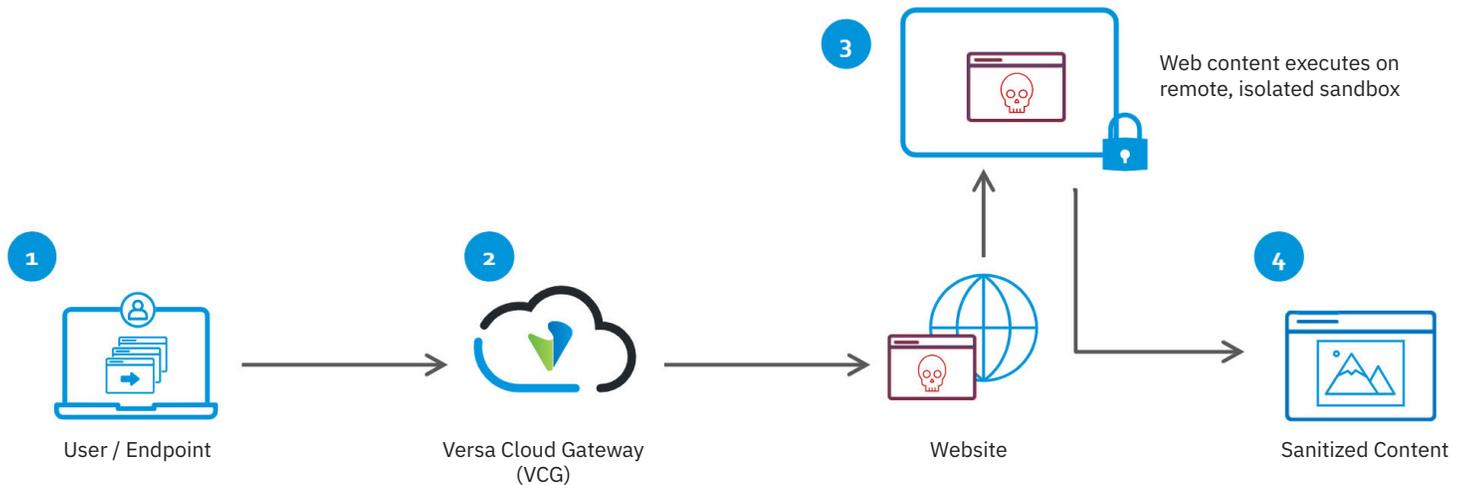| Browsers Increasingly Used as an Attack Vector	Unmanaged Devices Increase Risk	Reactive Security Creates Gaps
Attackers exploit browsers through zero-day vulnerabilities, malicious scripts, and phishing sites that evade signature-based detection.	Hybrid work and BYOD create entry points for threats into the network via unmanaged devices.	Most inline security tools rely on threat signatures, leaving organizations vulnerable to zero-day exploits.

Impact: Increased risk of threats reaching users and endpoints, and entering the network.

Versa Remote Browser Isolation (RBI)

Versa Remote Browser Isolation (RBI) is a cloud-delivered web security capability within the Versa Unified SASE platform that executes web sessions in a secure, isolated environment. This prevents harmful content from reaching user endpoints or enterprise networks, reducing security risk from browser-based threats. Organizations gain elevated security posture, protection from unknown threats, and enhanced data protection, all without affecting user productivity.

How Versa RBI Works

Versa RBI isolates browsing sessions by executing risky web content in a remote sandbox rather than on the user's device. Working in conjunction with Versa Secure Web Gateway (SWG), Data Loss Prevention (DLP), and Advanced Threat Protection (ATP) policies, RBI strips out harmful code and only transmits safe output to user devices.

User enters URL	**VCG applies set policies**	**Content executes in remote sandbox**	**Only sanitized content delivered to user**
1	2	3	4

Web content executes on remote, isolated sandbox

User / Endpoint

Versa Cloud Gateway (VCG)

Website

Sanitized Content

Versa RBI's Key Capabilities include:

- Remote execution: Browsing sessions occur in isolated sandbox environments, not on user endpoints, eliminating direct exposure to malicious sites and content.

- Safe content rendering: Only sanitized content (e.g. visual rendered content) is delivered to client browsers.

- Data protection: Administrators can disable uploads, form POSTs, or enforce read-only browsing to prevent data exfiltration.

- Policy integration: Versa SWG policies can trigger RBI based on URL reputation, risk categorization, or user context.

Administrators can activate and configure Versa RBI via the Versa SASE management console. Within the console, admins can further:

- Associate RBI profiles with isolation rules.
- Define allowed and prohibited behaviors, such as read-only browsing or disabling uploads.
- Tie RBI enforcement with real-time protection and URL risk policies.

Versa's RBI delivers comprehensive protection against web-based threats while maintaining user productivity. Organizations gain a unified approach to securing internet access, protecting enterprises from advanced threats, enabling compliance stakeholders without reducing productivity, and supporting remote workforces accessing content from unmanaged devices.

Versa RBI Benefits

- **Protect Against Zero Days:** Neutralize previously unseen threats before they reach endpoints.

- **Reduce Attack Surface:** Prevent browser-based attacks and ensure malicious code does not reach internal systems.

- **Prevent Data Exfiltration:** Complement DLP by controlling interaction with sensitive data in browser sessions.

- **Maintain Productivity:** Users interact with web content through any browser with minimal operational friction. No additional extensions or software needed.

- **Simplify Security Operations:** As part of Versa Unified SASE, eliminates need for separate RBI point products.

Versa RBI's business outcomes include:

- Lower risk of successful malware infections

- Improved data protection posture

- Reduced reliance on reactive security tools

- Fewer point solution to manage and lower operational overhead through a unified SASE platform.

By isolating web threats at the edge before they reach endpoints, Versa RBI enables safe, productive access to the internet.

To learn more about how Versa ensures comprehensive web security, request a demo.

Explore Versa RBI.