United States Government Agency enables secure Internet access through Hardware Isolation

This case study highlights how a US Government Agency has leveraged Garrison's secure web browsing solution to boost productivity, reduce costs and support the modern workforce while providing protection against known and unknown cyber threats.

The Agency faced a common Internet access dilemma

> *Web isolation that converts 100% of Internet content to raw bitmaps*
>
> Garrison Ultra-Secure Browsing

This Agency's IT systems manage a range of sensitive information and operations making the potential consequences of a cyber breach extremely serious. As with all organizations, one of the biggest threat vectors for the Government Agency was Internet access. Spear phishing and other web-based attacks presented a major risk, and the Government Agency was not satisfied with the level of security provided by conventional web security measures.

At the same time, Internet access is a critical business requirement for:

- Obtaining, analyzing and sharing information to strengthen the mission
- Building the brand online to bolster recruitment efforts
- Improving and maintaining work-life balance in the connected age
- Providing the best opportunity for online training
- Leading with a reliable, adaptive and resilient environment to modernize the business

Delivering secure Internet access with Garrison Ultra-Secure Browsing

Simply disconnecting from, or blocking, the vast majority of the Internet was just not an option. It seemed that the only viable option was to deliver separate physical endpoint devices for Internet access – with the associated costs and impracticalities. However, by selecting Garrison's ultra-secure browsing solution this Agency was able to deliver the seemingly impossible: full web access for all users from their standard desktop environment without putting the organization's systems in jeopardy.

With Garrison's hardware enforced web isolation that converts 100% of Internet content to raw bitmaps, IT could deliver the desired Internet browsing experience while meeting security requirements in a way that was not possible with software security products, or with measures based on threat detection.

Solution stack

Garrison SAVI®
Isolation Appliance

Garrison SACS®
Transfer Appliance

Garrison's enterprise-ready appliances are easily installed in existing data centers or comms rooms, seamlessly integrating with existing infrastructure and security controls wherever the boundary of your organization lies. Centralized, extremely low touch management ensures unparalleled security and confidence is delivered with minimal operational burden and maximum benefits realization.

How Garrison helps Government customers

The Garrison SAVI® Isolation Appliance is a unique hardware appliance engineered from the ground up to deliver security and performance at an affordable cost. At the heart of Garrison is our patented Silicon Assured Video Isolation (Garrison SAVI®) technology. The potential uses for Garrison SAVI® extend far beyond web browsing.

- VDI access from high-security air-gapped networks
- Remote VDI access to secure networks
- Remote browser access to secure networks
- Network management
- Customer-specific applications

Mission Support and Modernization from a Commercially Available Product

After deploying the Garrison app for ultra-secure browsing to thousands of users, IT met all their requirements. First and foremost, they enabled rapid access to the wealth of data available on the Internet to support the organization's mission direct from the standard desktop environment. Futhermore, the cost savings attributed to the removal of the additional computers and networks currently used to provide segregated Internet access project to produce a positive ROI. Most importantly, having access to all data on a single user's device has ensured increased productivity and faster information gathering and analysis.

In their strategic plan, the agency recognized that the next generation of workers have been growing up online, so that's where they needed to connect with them. This required a presence on social media which can now be managed from the standard desktop without adding undue cyber risk, thereby allowing teams to maintain a seamless and effective recruitment process. Garrison has also restored the ability to interact online through a variety of sites such as Facebook, Twitter and YouTube, allowing both a better work-life balance but also enabling teams to keep pace with the digital world around them.

This agency can now provide web access from any device while maintaining appropriate security controls, streamlining business processes and re-enabling users. This is a real step-change in capability and could only be achieved with an isolation solution that provides the level of assurance required by national security organizations coupled with performance and affordability required by a commercial organization.

"

This agency now provides full web access from any computer with the security of hardware enforced isolation

Garrison Ultra-Secure Browsing