

Osaki Computer Engineering Co., Ltd. (OCE) Delivers Cloud-Based Secure Browsing Service in Japan



Customer profile

Osaki Computer Engineering Co.,
Ltd. (OCE)

Product

Ericom Shield®

Industry

IT & Telecommunications



Challenge

- OCE was seeking a way to dramatically enhance endpoint security for clients across a variety of industries, including local government, education, and healthcare, while still allowing end users to freely browse the internet sites they need

Background

Established in 1954 as a distributor of telecommunications equipment, OCE got its start in the computer business in 1968 by becoming a Fujitsu dealer. The company has since expanded to offer a wide range of IT solutions including hardware, network infrastructure, technology outsourcing, and data center services. It has long-standing business relationships with a range of government organizations and private companies, mainly in Chiba Prefecture.

Internet Separation that Allows Internet Use

Internet separation is an extremely effective cybersecurity measure that is used widely in Japan. However, many internet separation solutions can substantially limit user productivity by restricting access to critical web-based applications and resources.

Since 2016, OCE has helped many local governments separate their internal networks from the internet to improve municipal information system security. Following Japan's Ministry of Education, Culture, Sports, Science, and Technology issuance of education information security policy guidelines, Boards of Education have begun seeking internet separation solutions. More recently, interest has grown among other government organizations and contractors that do business with local governments.

Healthcare organizations, which have always separated medical service systems from the internet, are now embracing the concept of secure browsing as well in order to beef up their cybersecurity strategy. Demand for secure browsing is also growing from companies that handle large amounts of personal information as part of routine business operations.

In response to growing demand, OCE sought a solution that would allow them to isolate client networks from web-borne threats, while still enabling end users to leverage the internet-based applications and services they need in order to do their jobs.

"Internet separation is an extremely effective way to block cyberattacks, as it eliminates a major attack vector that could otherwise be used to breach the organization's network. As such, it seems clear that internet separation will continue to expand to additional industries," explained Kurayoshi Nakao, Chief of Data Center Promotion Section at OCE. "We needed a solution that would allow us to deliver a secure browsing service that could flexibly address each client's unique needs and environment."

The Solution: Cloud-Hosted Secure Browsing Powered by Ericom Shield

OCE evaluated several internet separation offerings, including VDI- and RDS-based solutions, but found that none offered the performance, features and ease of use they were looking for. After careful research, OCE selected Ericom Shield as the core element of their cloud-hosted secure browsing service.



Solution

- Delivering Ericom Shield as a cloud-based service that eliminates the risk of internet-borne cybersecurity threats for OCE clients



Results

- OCE can now safeguard its clients' endpoints from malicious web content without preventing end users from utilizing mission-critical web-based applications and resources
- All browser-executable source code is executed remotely, with only a safe interactive media stream passing to end user devices
- Website attachments are cleansed and downloaded without changing the file format, ensuring files retain all necessary functionality
- No on-premise equipment is needed to deliver the secure browsing service to OCE clients

"All of the other products we looked at lacked a decisive advantage, but when I found Ericom Shield I thought, 'This is just what I've been looking for!'" commented Takurou Yashima of OCE's Data Center Management Department.

Yashima cited the following advantages of Ericom Shield:

- Absolutely no web page source code is executed on the endpoint, eliminating the threat of malware infection. Instead, only a safe media stream is delivered to client PCs. This point is both extremely simple and extremely important, and our customers grasp the benefit immediately.
- Through fully integrated content disarm and reconstruction (CDR) functionality, files can be scanned and thoroughly cleansed prior to download without changing the file format, ensuring all essential functionality remains intact.

- No endpoint installation is required, making deployment fast and easy. New clients can simply redirect web traffic from their on-premise proxy server to one of the OCE cloud services' global addresses, open a port for Ericom Shield to connect through their firewall, and install a dedicated certificate to enable SSL communication with the endpoint. That's it!

"I find that most cloud-based services adopt a default stance of 'can't' or 'don't' toward things that fall outside of the service's parameters. OCE, on the other hand, endeavors to offer comprehensive service that is tailored to each client's unique needs and environment," said Mr. Nakao.



"We've applied that same approach when offering Ericom Shield as a cloud-hosted service to our clients and the feedback so far has been phenomenal. Customers say it was easy to choose our service because our product offers better performance and features compared to other services."

Kurayoshi Nakao,
Chief of Data Center Promotion Section at OCE



Results

OCE is the first Japanese company to deliver Ericom Shield as a service, which they refer to as their Secure Browsing Service. The superior performance and features of Ericom Shield, the simplicity of implementing the cloud-hosted service, and OCE's customer-centric approach have all contributed to differentiate OCE from the competition, helping them gain customers' trust and win new business.

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. © 2020 Ericom Software. Ericom and the Ericom logo are trademarks of Ericom Software. All other trademarks used in this document are the property of their respective owners.

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