Menlo Security

This top credit issuer offers reward credit cards, online banking, home equity loans, student loans, and personal loans for tens of millions of users around the world.

Challenges

- Tracking down the unlimited threats on the Internet required too much time and too many resources

- Users were blocked from large swaths of the Internet, forcing them to file help desk tickets to unblock sites

Solution

- The Menlo Security Isolation Secure Web Gateway protects users from web-based threats such as drive-by exploits and watering hole attacks

- Preserves the native web-browsing experience for users

- Allows the security team to focus on more strategic and proactive cybersecurity projects

Top Card Issuer Uses Internet Isolation to Narrow Its Attack Vectors

The Menlo Security Isolation Secure Web Gateway eliminates web-based attacks.

To hear the senior cybersecurity architect at a leading credit card issuer* tell it, the Internet is like the Wild West. You never fully know what threats are out there, and, frankly, it's silly to think that you can anticipate what threat actors will do next. Given that perspective, he knew that the credit card issuer's existing approach needed to be augmented and additional tooling was necessary.

Unfortunately, the credit card issuer's existing security model was currently focused using the traditional network security stack and detect-and-respond tactics. The solutions relied on blacklist and whitelist strategies to block or respond to risk activity. The problem was that the cybersecurity team couldn't block something that they didn't know existed. And given the Wild West nature of the Internet, users were guaranteed to run into new, sophisticated threats. "Many attackers are leveraging otherwise legitimate sites and services to mask their activities breaking both white and black list approaches," stated the architect.

Given the consistently evolved attack surface; users were guaranteed to run into new and more sophisticated threats. A new way of thinking and a new approach was necessary to shift the power dynamic back in favor of the defender.

"We can't always know what an attacker is going to do. There are just too many possibilities, too many attack vectors. How are you going to stop these attacks? We needed to shift our mindset," the architect said.

*Because of confidentiality agreements, the names of personnel and the company remain anonymous in this case study.

CASE STUDY

> *Menlo takes care of all the unknown risks running rampant around the Internet, eliminating the need to cast a wide net and try to stop this infinite amount of attacks like drive-bys and watering hole attacks.*

Senior Cybersecurity Architect

Internet isolation proved to be the technology that the credit card issuer was searching for. Isolating all web content in a remote browser creates an "air gap" between the user and malicious content on the Internet—effectively shutting off access to endpoint devices.

The Need to Preserve the Native Browsing Experience

But the architect still had concerns. Moving web browsing off the endpoint could potentially create performance issues or change the way users access the web. He knew that preserving the native browsing experience was critical in getting buy-in from users. Otherwise, he feared that they wouldn't adopt the Internet isolation solution and would create workarounds that put the organization at risk.

Menlo Security alleviated his concerns. As a cloud-based solution, the Menlo Security Internet Isolation Cloud doesn't require clients or a special browser to be installed on each endpoint. Instead, it allows users to use the browser of their choice while preserving basic functionality such as copy, paste, and print. Now, thanks to the Menlo Security Isolation Secure Web Gateway, 22,000 employees around the world can browse the web with impunity while being protected from all web-based cybersecurity threats.

Menlo Shifts the Battleground

By eliminating the threat of web-based malware attacks, Menlo Security allows the credit card issuer to shift the battleground from constantly being on defense to going on offense.

"Menlo takes care of all the unknown risks running rampant around the Internet, eliminating the need to cast a wide net and try to stop this infinite amount of attacks like drive-bys and watering hole attacks. We just don't have to worry about that anymore. We can narrow our focus to just a few things," according to the architect.

As a result, Menlo Security has dramatically improved the credit card issuer's security posture while reducing IT overhead. The senior cybersecurity architect knows that Menlo Security is protecting users and the company from any web-based attack they encounter on the Internet—and that is worth its weight in gold.

Learn how you can eliminate web-based cyberattacks and dramatically decrease your attack vector. Visit menlosecurity.com or contact 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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