

# Securing one of the biggest e-commerce websites with Jscrambler

In a landscape where cyber threats are constantly evolving, the Fortune 500 Retail Company's success with Jscrambler serves as a testament to the efficacy of dedicated client-side protection.



## About

Established in the 1960s, this client is an iconic American brand boasting four flagship labels. The company recently also expanded its portfolio. As a Fortune 500 company, the company's commitment to innovation extends beyond the retail industry, delving into the digital realm with a strong online presence and a high-traffic e-commerce platform.

## Headquarters

San Francisco, USA

## Use cases

Data leakage prevention

## Industry

E-Commerce

**With Jscrambler  
since 2020**

## Challenge

In the past decade, the client's e-commerce traffic has soared, paralleling the rise in online shopping. However, this increase also attracted more frequent and **more sophisticated cyber threats**. The company witnessed a surge in malicious scripts targeting customer data through various methods, including keylogging, card skimming, and credential hijacking.

Confronted with this escalating threat, the client sought robust client-side security solutions to shield its web applications. The retailer's broad digital exposure, especially **during peak shopping periods** such as Black Friday, left them vulnerable to attack vectors like JavaScript data exfiltration and script hijacking. To counter these threats, the client required a system that provided comprehensive control to mitigate these kinds of attacks. Additionally, their collaborations with third-party vendors necessitated a security tool that could precisely regulate the data accessible to these third-party tags.

## Solution

The retailer began looking for the right solution to secure its client-side applications against the evolving threat landscape. For an e-commerce platform of their scale, they needed more than just the basics.



**“With the kind of traffic we see, data protection for JavaScript, the ability to stop data exfiltration, and field-level protection for sensitive information like credit card details and PII are just the beginning. We also need a solution that can scale up and continue to perform optimally as our business grows. This is absolutely critical.”**

Director of Product Security at the Fortune 500 Retail Company

The retailer required a security solution that would continue to monitor their website just as effectively in real time and take appropriate automated action against threats, regardless of traffic volume. Flexibility was equally crucial, especially the ability to restrict data access through form fencing and to oversee all data points on their site comprehensively. Moreover, swift response times were imperative, as the retailer’s success hinged on transforming website visits into sales through an exceptional user experience.

The client’s criteria extended to adaptability and enduring protection. The client elaborates: “Attacks evolve daily and the vector of attack is never the same. We need a dynamic solution that not only addresses current threats but is also equipped to tackle unforeseen risks.” After a thorough evaluation, the retailer identified Jscrambler as the sole contender to meet all of their stringent criteria. Jscrambler’s R&D continuously monitors emerging threats, ensuring the platform evolves to effectively react to the ever-changing cyber threat environment.

As the final deal clincher, Jscrambler gave the retailer a security tool that was fully **focused on client-side protection**. The team already had security tools in their arsenal but they didn’t want to rely solely on default security features or add-ons to existing solutions. They believed strongly in a clear separation of responsibilities and were specifically looking for a platform that focused solely on client-side protection, independent of their web application firewall, tag manager, and other existing tools.

### Top Jscrambler features and capabilities

Comprehensive client-side protection

Real-time threat mitigation

Real-time alerts and reporting

## Results

Adopting Jscrambler has provided the retailer with a number of benefits, the biggest of which is peace of mind. Protection from Magecart and skimming risks is crucial for e-commerce platforms, and having Jscrambler covering them on this front helps the client breathe a little easier. They know that sensitive data is protected from exfiltration and hijacking when customers are shopping on the retailer’s website and that banking and PCI information will remain secure.



**“With Jscrambler, we can maintain the level of security that is critical to running a multinational business and preserving our customer’s trust. The unique layer of security it adds is definitely an integral part of our defense strategy. I’d highly recommend Jscrambler to any other business with a full-blown e-commerce platform that hosts millions of customers daily.”**

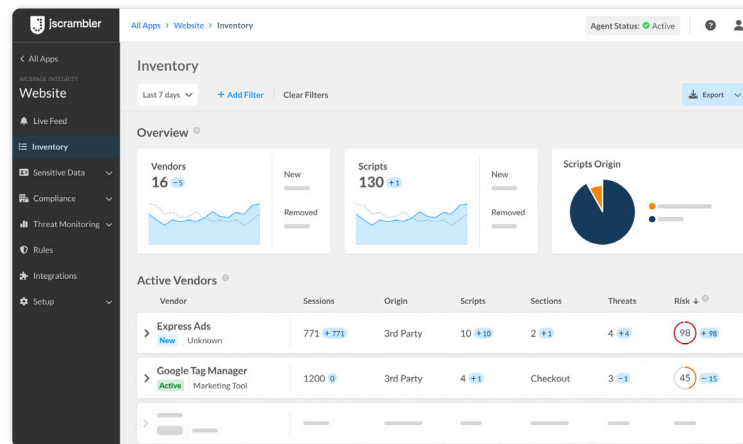
Director of Product Security at the Fortune 500 Retail Company

If there is one big problem that Jscrambler mitigates, it’s card skimming. “Given the sheer number of third-party scripts we launch, our exposure to attacks is huge. We need a dedicated tool to be able to mitigate them. Tag management security features are not enough on their own. We need a much closer look at data handling and Jscrambler helps us navigate these challenges better.”

The retailer is enthusiastic about his experience working with the Jscrambler team. Their dedication, involvement, and proactive approach have solidified a strong partnership between the two entities. The teams touch base with each other regularly in weekly calls, and the client can trust Jscrambler to promptly address any issues that the retailer brings. “The Jscrambler team is always very willing to join calls and explain things to us. If we don’t get things right, they’ll roll up their sleeves and work with us to solve any problems we may be encountering,” the client says.

**“Would I recommend Jscrambler to other companies? Without a doubt. It’s my go-to choice for client-side web application protection. No matter what company I work for, I will definitely bring Jscrambler on board.”**

Director of Product Security at the Fortune 500 Retail Company



### About Jscrambler

Jscrambler is the leader in Client-Side Protection and Compliance. Jscrambler is the first to merge advanced polymorphic JavaScript obfuscation with fine-grained third-party tag protection in a unified Client-Side Protection and Compliance Platform. Jscrambler’s integrated solution ensures a robust defense against current and emerging client-side cyber threats, data leaks, misconfigurations, and IP theft, empowering software development and digital teams to securely innovate online with JavaScript. Jscrambler’s technology is trusted by the Fortune 500 and thousands of companies globally.

If you want to know more about how Jscrambler can help you prevent client-side attacks, don’t hesitate to contact us. [hello@jscrambler.com](mailto:hello@jscrambler.com) | +1 650 999 0010