⬚ HUMAN

HUMAN Client-side Defense

Enable the value of browser scripts without the risk

Almost 70% of the scripts on a typical website come from a third-party or an open source library. Many of these scripts run on the client side, which speeds up website performance and enriches the user experience. Unfortunately, this also creates a major cybersecurity blind spot.

In client-side attacks, cybercriminals inject malicious code into client-side scripts to steal your users' credit card numbers and other personally identifiable information (PII). Even legitimate third-party code can often access sensitive form fields, which can violate PCI DSS and data privacy regulations such as GDPR and CCPA.

HUMAN Client-side Defense

HUMAN Client-Side Defense provides real-time visibility and granular control into your modern website's client-side attack surface.

Visibility

Client-side Defense continuously monitors and analyzes the behavior of all client-side scripts in real users' browsers. The solution runs 24/7/365 to give you full visibility into the scripts running on your site, including how they are interacting, additional scripts they are using and any exposure details. These insights identify high-risk PII, PCI DSS and vulnerability incidents, so response teams can act fast.

Mitigation

Using behavioral analysis and advanced machine learning, Client-side Defense identifies script vulnerabilities and anomalous behavior to enable and maintain compliance. The solution provides comprehensive client-side mitigation, including:

- Granular control over legitimate JavaScripts to restrict form access without disabling the entire script
- Content Security Policy (CSP) management to block unwanted scripts from loading entirely

Client-side Defense enables easy script management, ensures PCI and data privacy compliance, and frees your teams to focus on innovation.
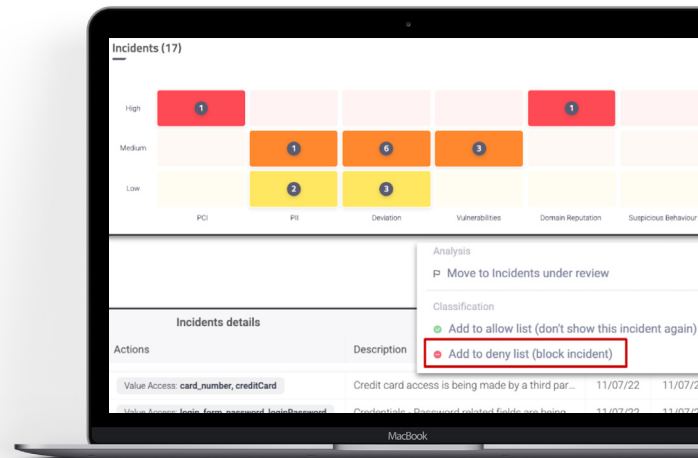
> **"The solution pays for itself by reducing our risk from client-side data breaches and helping avoid fines and the subsequent negative impact to our brand."**
>
> CISO, Top 5 Global Airline

Benefits for Digital Businesses

Comprehensive Client-side Visibility

Gain real-time visibility into first-, third- and Nth-party scripts and detect unauthorized PII access, data exfiltration events, and known script vulnerabilities.

Investigate, Analyze and Mitigate

Full forensic information to continuously analyze scripts and identify malicious activity. Block and mitigate risky script actions.

Prevent Regulatory Compliance Violations

Visibility and script behavior mitigation limits data exposure and reduces the potential of breaches and fines

How it Works

COLLECT

The HUMAN Sensor runs in the consumer's browser to automatically inventory each script, assure script integrity, and inform authorization decisions based on actual script behavior.

ANALYZE

The Sensor detects unauthorized changes, alerts on anomalous behavior, and responds by surgically blocking undesired actions, without interrupting desired script activity.

MANAGE

The cloud backend and UI provide not only visibility, intelligence, and one-click mitigation, but also evidence of compliance for on-demand audit reports.

The HUMAN Advantage

Multi-layered Protection

- Comprehensive Real-time Visibility into Client-side Supply Chain - Gain real-time visibility into first-, third- and Nth-party scripts, and detect unauthorized PII access, data exfiltration events, and known script vulnerabilities.
- Client-side Mitigation - Enforce granular control over legitimate JavaScript to block specific actions without blocking the entire script, enabling compliance with PCI and data privacy regulations.
- Automate CSP management using an out-of-band Enforcer integrated with your CDN or origin server.

Behavior-based Learning

- Leverage advanced machine learning models that automatically learn, inventory, and baseline all script activity on your web pages.

Easy to Manage

- Actionable dashboards offer an at-a-glance overview and help quickly identify the high-risk PII, PCI, and vulnerability incidents that response teams should prioritize.
- Simple rules creation allows immediate enforcement to mitigate unwanted script behavior.

Powered by the Human Defense Platform

HUMAN uses a modern defense strategy to safeguard organizations from client-side attacks and fraud, increasing ROI and trust while decreasing customer friction, and cybersecurity exposure. The HUMAN Defense Platform powers an award-winning suite of application protection solutions enabling full visibility and controls of data provided to third party applications running on websites or mobile applications.

About HUMAN

HUMAN is a cybersecurity company that protects organizations by disrupting digital fraud and abuse. We leverage modern defense to disrupt the economics of cybercrime by increasing the cost to cybercriminals while simultaneously reducing the cost of collective defense. Today we verify the humanity of more than 20 trillion digital interactions per week across advertising, marketing, e-commerce, government, education and enterprise security, putting us in a position to win against cybercriminals. HUMAN was named one of the TIME100 Most Influential Companies of 2023. Protect your digital business with HUMAN. **To Know Who's Real, visit www.humansecurity.com.**