

Client-side Defense

Safely benefit from browser scripts

CLIENT-SIDE DEFENSE

Client-side Defense enables customers to safely benefit from browser scripts by providing complete visibility and control. The solution runs in every consumer browser to identify all client-side code and provide deep insight into scripts' behavior. It protects sensitive data from unauthorized access by enforcing automated policies, detects suspicious activity, responds to mitigate malicious behavior without interrupting the website's operation, and simplifies compliance with privacy regulations and PCI DSS.

Client-side Defense is part of Application Protection, a suite of solutions purpose-built to secure web and mobile applications from a range of cyberthreats.

WHAT WE PROTECT AGAINST



CLIENT-SIDE SUPPLY CHAIN ATTACKS

- DIGITAL SKIMMING (MAGECART)
- FORMJACKING
- MALICIOUS REDIRECTS



PRIVACY VIOLATIONS BY THIRD-PARTY VENDORS ACCESSING PII



COMPLIANCE RISKS AND COMPLEXITY

“We wanted to find the anomalies and changes in our client-side scripts. HUMAN’s behavioral analysis solution greatly simplifies this process. It helps us identify the known risks to our website and enables us to mitigate those risks.”

SENIOR MANAGER OF INFORMATION SECURITY ARCHITECTURE AND ENGINEERING
AT SALLY BEAUTY

BENEFITS



GET COMPLETE VISIBILITY

See all client-side 1st- and Nth-party script behavior, including vulnerabilities, risky actions, security incidents, and cookies



PROTECT AND ENABLE YOUR BUSINESS

Automate policies to surgically prevent risky script actions, such as reading payment data, without disrupting the scripts' business value



SIMPLIFY AND MAINTAIN COMPLIANCE

Streamline compliance with security and privacy standards and regulations, such as PCI DSS 4.0, NIST CSF, GDPR, and HIPAA

HOW IT WORKS



COLLECTS

script activity signals via a javascript sensor running in your real consumers' browsers to auto-inventory sensitive fields, scripts and script actions, domains, cookies, and more



DETECTS

risky and anomalous script behaviors, security and privacy vulnerabilities, HTTP security header modifications, and risk-scored incidents



BLOCKS

risky or malicious script activity based on your proactive automated policies, without interrupting the business value of legitimate scripts

KEY CAPABILITIES



Easy deployment by embedding a single line of javascript code into your website



Script analyzer provides deep insight into each script's provenance and DOM, storage, and network actions to inform mitigation decisions



Auto-inventory scripts and script actions (including domains, cookies, and more), and get real-time incident alerts



Audit reports are generated on-demand to highlight security and privacy posture, including compliance with PCI DSS requirements 6.4.3 and 11.6.1



Policy rules enable proactive mitigation, such as blocking entire scripts/domains, surgically restricting access to sensitive form fields, and denying undesired cookies



API and out-of-the box integrations with common tools and apps (e.g. messaging, ticket management, SIEM) to adapt to your workflows

THE HUMAN ADVANTAGE

Scale

We verify more than 20 trillion digital interactions weekly across 3 billion unique devices providing unrivaled threat telemetry.

Speed

Our Decision Engine examines 2,500+ signals per interaction, connecting disparate data to detect anomalies in mere milliseconds.

Decision Precision

Signals from across the customer journey are analyzed by 400+ algorithms and adaptive machine-learning models to enable high-fidelity decisioning.

HUMAN is trusted by the world's leading enterprises and internet platforms to prevent, detect, and respond to cyber attacks with unmatched scale, speed, and decision precision across their advertising, application, and account surfaces. Safeguard your customer journey end to end with complete confidence by consolidating with the Human Defense Platform.