



HUMAN PCI DSS 4.0 Compliance by Client-side Defense

Streamline Payment Page Script Management

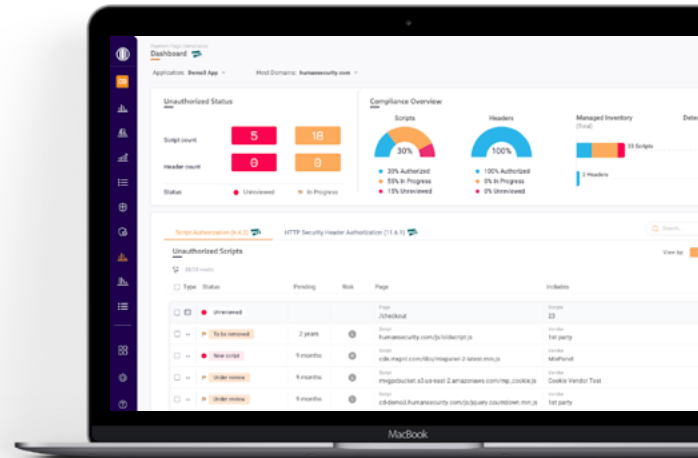
The new requirements to manage browser scripts on payment pages become mandatory on March 31, 2025. All businesses that collect payments online must comply – even those that fully outsource account data storage, processing, and transmission to third-party payment service providers.

There are two new browser script requirements:

- **Requirement 6.4.3** states that all payment page scripts are managed as follows:
 - A method is implemented to confirm that each script is authorized
 - A method is implemented to assure the integrity of each script
 - An inventory of all scripts is maintained with written justification
- **Requirement 11.6.1** states that:
 - A change and tamper-detection mechanism is deployed to alert personnel to unauthorized modification to the HTTP headers and the contents of payment pages as received by the consumer browser

HUMAN Security Simplifies Payment Page Protection in Compliance with PCI DSS 4.0

Deploy a single line of JavaScript to automatically receive a comprehensive risk-scored script inventory, a simple method to authorize, justify, and ensure the integrity of scripts, and on-demand audit reports. The solution will alert on unauthorized changes to scripts and HTTP headers, enable deep investigation of risky script behavior, and allow blocking risky behavior with a click or a simple policy.



“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 to your digital business

Streamline Payment Page Script and Header Management

With a single line of code, auto-discover, justify, authorize, and assure script and header integrity, producing audit reports on-demand.

Secure Your Site Beyond PCI DSS Compliance

Gain complete visibility and control of script behavior, gain deep insight, and block risky script actions on command.

Unleash Your Business, Reduce Your Risk

Enable the value of scripts with automated policies that surgically block risky actions, protecting payment data in the consumers' browsers.

These New PCI DSS Requirements Address a Real Problem

Modern websites are dynamically rendered applications in every consumer's browser. They source code from across the Internet at runtime to deliver critical business functionality. This forever-changing Nth-party code bypasses traditional security controls and enjoys nearly unlimited access in the browser. Cybercriminals exploit this attack surface to steal cardholder data by digital skimming (e.g., Magecart), formjacking, and redirecting users to malicious pages – all threats addressed in the new PCI requirements.

Break the Tradeoff Between Script Value and Risk

PCI DSS 4.0 introduces a dilemma: do you authorize and justify important scripts that access cardholder data at will? With HUMAN, you can benefit from scripts' business value, while mitigating their inherent risk. The solution allows you to authorize, justify, and enable the normal operation of scripts, while blocking their access to cardholder data with automated proactive policies.

Powered by the Human Defense Platform

HUMAN uses a modern defense strategy to safeguard organizations from digital attacks, fraud, and account abuse. Our solutions increase ROI and trust while decreasing customer friction, data contamination, and cybersecurity exposure. The Human Defense Platform powers an award-winning suite of application protection solutions enabling full visibility and control of your web and mobile applications and APIs.

How it Works

Deploy a simple Javascript snippet (tag)



PROTECT

The HUMAN Sensor automatically inventories pages and scripts, assures integrity, enables authorization and justification, and blocks undesired cardholder data access (6.4.3).



DETECT

The HUMAN Sensor runs in your real consumers' browsers to alert to unauthorized modifications to the HTTP headers and the contents of payment pages (11.6.1).



COMPLY

The cloud backend and UI track your progress towards compliance and provide evidence on-demand for audit reports.

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.