

# Scraping Defense

Protect against automated content and price scraping

## HUMAN Scraping Defense

HUMAN Scraping Defense stops web scraping bots on your web and mobile applications and APIs. The solution uses advanced machine learning, behavioral analysis, and intelligent fingerprinting to identify scraping bots with exceptional accuracy. It then delivers optimal bot management, including hard blocks, honeypots, and misdirection. The solution lets known bots and crawlers proceed unimpeded and can show bots alternative content and pricing if desired.

Scraping Defense is part of HUMAN's Application Protection package, a set of solutions purpose-built to secure web and mobile applications from a range of cyberthreats.

## What We Solve



**PRICE  
SCRAPING**



**WEBSITE  
SCRAPING**



**RESTRICTED  
CONTENT  
SCRAPING**



**INFRASTRUCTURE  
STRAIN**



**LAYER 7 DDOS  
ATTACKS**



**SKEWED PLATFORM  
ANALYTICS**

**“The solution is invaluable in stopping the bots that can scrape or compromise our data. At the same time, the solution minimizes the false positives that can frustrate site users and waste our staff’s time and resources.”**

*Head of Engineering*

**crunchbase**

## Benefits



### **KEEP YOUR COMPETITIVE EDGE**

Stop bots from stealing your content and pricing to repost, resell, or undercut your business



### **GAIN VISIBILITY AND CONTROL**

Get insight into bot visitors and choose whether to block, allow, or display alternative content



### **OPTIMIZE RESOURCES**

Reduce bandwidth strain and wasted spend, and save time manually responding to bots

## How It Works



### COLLECT

hundreds of non-PII client-side indicators



### DETECT

human vs. bot activity using machine learning models



### MITIGATES

bot traffic according to customizable threat response policies



### REPORTS

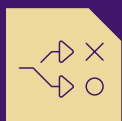
incident details in intuitive dashboards for easy investigation and analysis



### OPTIMIZES

Optimizes detections by continuously updating ML models with relevant data

## Key Capabilities



**Known bots and crawlers:** Get visibility into known scraping bots and their target paths on your application and choose the appropriate response.



**Monetization tools:** Stop unauthorized scraping bots and enforce paid access policies for scrapers.



**Precheck and Human Challenge:** Low-friction challenges block scraping bots at the edge, before they can access a single page.



**Adaptive Learning:** AI models spot nuanced bot behavior shifts and automatically optimize mitigation workflows.



**HUMAN Sightline:** Automatically isolate distinct bot profiles and reveal in granular detail what each attacker is doing on your application.



**Secondary detection:** Uncover hidden threat patterns by automatically analyzing all current and historical traffic data in aggregate after an initial bot-or-not decision is made.

## 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 a leading cybersecurity company committed to protecting the integrity of the digital world. We ensure that every digital interaction, transaction, and connection is authentic, secure, and human. HUMAN verifies 20 trillion digital interactions, providing unparalleled telemetry data to enable rapid, effective responses to the most sophisticated threats. Recognized by our customers as a G2 Leader, HUMAN continues to set the standard in cybersecurity. For more information, visit [www.humansecurity.com](http://www.humansecurity.com)*