

PRODUCT BRIEF

Bot Management Platform

Detect and defend against automated attacks on your websites and mobile apps while preserving the digital privacy of your customers.

The Threat Landscape is evolving

Online businesses and enterprises are finding it increasingly difficult to defend their websites and applications against automated attacks while maintaining compliance with data regulations. Traditional methods are easily evaded by sophisticated bots, leaving your websites and applications open to abuse and resulting in significant financial cost to your business.

The CaptchaFox Bot Management Platform enables organisations to stay ahead of their adversaries by providing robust detection and advanced analytics to prevent fraudulent activity, while delivering a great experience for legitimate users.

What we solve



Account Takeover Attacks

Prevent mass log in attempts using stolen username/password pairs to take over user accounts.



Spam and Abuse

Prevent automated distribution of malicious or questionable information and application abuse.



Fake account creation

Prevent mass creation of fake user accounts and profiles on your platform.

CaptchaFox Benefits



Increase Revenue

Improve conversions and reduce costs caused by fighting automated attacks.



Improve User Experience

Low friction verification allows trusted users to complete their actions without frustration.



Ensure Compliance

European servers and no use of cookies ensures compliance with data protection laws.

How it works

1

Collect Signals

In the browser as well as during the web request, CaptchaFox collects all kinds of different signals of a user interaction and device.

2

Compute Score

All signals are then analysed, scored and combined into data points that express the risk and detected threat type of the interaction.

3

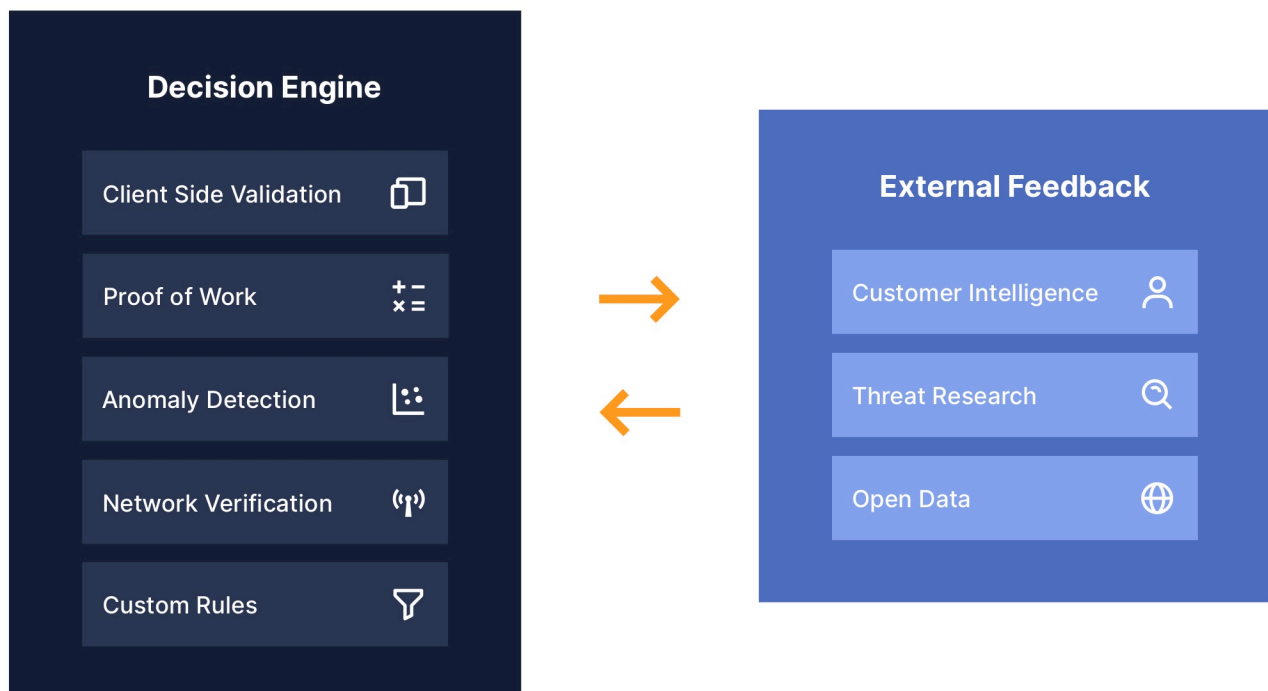
Take Action

Based on the calculated data points, suspicious users are presented with a verification challenge or the request is blocked from proceeding.

What are Signals?

Signals are attributes that give a certain uniqueness to an interaction with your application. CaptchaFox uses over 100 different device, network and behavioural risk signals to identify automated requests. A single signal, such as Proof of Work, cannot reliably identify incoming requests and must always be combined with additional data.

These signals are analysed in our decision engine, which combines external feedback sources such as first- and third-party threat research to create a dynamic feedback loop. This benefits all our customers, and attacks on one customer can be defended across the entire network.



Signal Examples



Proof of Work

A cryptographic challenge has to be performed in the background by the client device and consumes computing resources.



Client Validation

Browser and device configuration are used to assess the legitimacy of the execution environment and detect modifications.



Network Verification

Abnormalities such as spoofing location or the use of IP addresses from data centers to residential proxies are monitored.



Customer Intelligence

CaptchaFox aggregates and analyzes anonymized threat patterns across its global customer network to improve detections.

Privacy & Data Protection

All our services are hosted within European borders, ensuring that internal traffic remains within. The data centers and service providers we utilize are GDPR compliant and ISO/IEC 27001 certified. Our data collection and processing follows the principle of data minimization by anonymizing personal data during signal processing and not storing cookies on a client browser.



Why Enterprises make the switch



Enterprise Scalability

With millions of requests and a 99.95% uptime SLA, our service is scalable to any requirements.



Easy Integration

Remove integration complexity by leveraging our robust ecosystem of plugins and SDK's.



Personal Support

Our friendly support staff provide fast and helpful assistance with any question.

“ We are looking forward to use CaptchaFox among all of our websites.”

Valentin Lenfant
Engineering Manager

“ Highly reliable bot detection with excellent service!”

David F.
Digital Media Designer

