

Bot Protect: sophisticated, real-time bot detection

DataDome Bot Protect safeguards your online business from malicious bots in real time.

● ALLOWED ● CAPTCHA ● OTHER



Stop sophisticated bots on your websites, mobile apps, and APIs with real-time, easy-to-use, accurate protection from DataDome.

The challenge: Malicious bots account for almost half of web traffic

Typical early indicators that enterprises experience from bad bots include sudden high traffic and unexplained pageview spikes, serious server performance issues for real users from the extra load, and high bounce rates from bots that operate in milliseconds rather than seconds.

Bad bots are dangerous because they are specifically and carefully designed to perform malicious attacks, including brute force attacks, credential stuffing attacks, web scraping, and even large-scale DDoS attacks.

The solution: DataDome Bot Protect

DataDome Bot Protect safeguards you and your customers from sophisticated bot attacks before they happen with the most accurate, real-time protection on autopilot for your websites, apps, and APIs.

DataDome analyzes over 5 trillion signals per day; processing client-side and server-side data at scale improves the accuracy of our ML-powered detection models and enables this collective intelligence to be used across all customers. As a result, DataDome delivers an industry-leading <0.01% false positive rate—so real users are rarely challenged, and most advanced bots are stopped on the first request.

The impact of bad bots on your business

- ✘ Risk of **sensitive data breach**
- ✘ **Fraud** from unauthorized customer account access
- ✘ **Slower site speed** and **potential unavailability**
- ✘ **Customer dissatisfaction** from bots hoarding limited inventory
- ✘ **Skewed conversion rates**
- ✘ **Distorted marketing** and **sales analytics**

To ensure continuous detection and real-time protection, DataDome interrogates every request, every time, across all customer endpoints throughout your users' digital journey. Bot Protect is built for low-latency performance to prevent impact to the user experience, responding to requests in under 2 milliseconds and working at the edge with over 30 global PoPs. DataDome's protection is never a bottleneck for your business.

DataDome's <0.01% false positive rate & percentage of malicious requests blocked highlight unparalleled accuracy.



"DataDome has enabled us to make these considerable productivity gains, even though the primary purpose is something else. We have better security AND we have taken back some of our time, and that's huge for us."

– Bill Salak, CTO, Brainly

Key benefits

- ✓ **Real-time accurate detection** for every request
- ✓ **Performance without compromise** with **30+ global PoPs**
- ✓ Frictionless user experiences with **<0.01% false positive rate**
- ✓ **Easy-to-use** protection on autopilot
- ✓ **24x7** dedicated SOC team

DataDome thwarts **~350 billion** online fraud attacks annually, **in real time**.

A force multiplier for your team

DataDome's automated bot mitigation operates seamlessly—without human intervention. Our user-friendly threat dashboard offers advanced analytics, alerts, and precise insights. Monitor real-time account blocks, track domains across all your digital assets with custom time settings, or search for users using their email, user ID, or any unique identifier you choose.

Frictionless user experience

DataDome's false positive rate is under 0.01%, ensuring minimal disruption to genuine users. Instant risk recommendations empower customers to make customized responses swiftly and autonomously. High fraud risk triggers automatic actions like password resets or account locks, enhancing user trust and satisfaction.

User privacy

At DataDome, user privacy is a key requirement. The solution includes two-layer personal identifiable information (PII) encryption at rest, and encryption by DataDome on the application level. DataDome provides more comprehensive privacy protection than required by GDPR and CCPA, so you can rest assured your user data is safe.

The DataDome advantage

Continuous risk assessment of every request

Continuously evaluate every user login and post-login request every time and use signals to generate an evolving risk assessment. Rather than sampling & tokens that allow sophisticated attacks to go through defenses, our solution ensures continuous detection for every user, request, and endpoint.

Detection within milliseconds

Reduce fraud exposure to milliseconds with an industry-leading SLA. Significantly reduce investigation time and remediation.

Stop fraud Instantly before it happens

Move beyond payment-specific "decline/authorize" actions to enable automated interventions that work rapidly and in line with an organization's business flow at login.