imperva

Imperva Bot Management

Bad bots wreak havoc on all industries

If your business has a web presence, its web applications are hit by sophisticated bots every day. Our most recent data indicates that up to 30 percent of web traffic is generated by bots. Not all bots are bad, but malicious bots enable high-speed abuse, misuse, and attacks on websites and APIs that enable attackers, competitors and fraudsters to perform a wide array of malicious activities.

E-commerce websites are especially hard hit by bots that price scrape, data-mine and manipulate inventory, takeover customer accounts, spam comments, perpetrate gift card abuse, and execute other fraudulent transactions.

Companies across all industries are impacted by bad bots that have a significant impact on customer experience and the reputation of the e-commerce business. Airlines lose competitive advantage to online aggregators that scrape flight information, pricing and seat availability. The ticketing industry loses revenue to automated scalpers and secondary-market ticket brokers. And cyber criminals target companies in every industry with bots that take over accounts and steal financial information.

Imperva delivers the next chapter of bot management

Imperva Bot Management protects websites, mobile applications, and APIs from automated threats without affecting the flow of business-critical traffic. It's a key component in Imperva's market-leading, full-stack application security solution that brings defense-in-depth to a new level.

Bot Management protects all your access points and provides multiple response options to incoming bots: Whitelist, Monitor, Challenge, Unblock Form, or Hard Block. Imperva collects and analyzes bot traffic to pinpoint anomalies. Our machine learning models identify real-time bad bot behavior across our network and feed it through our known violators database. Biometric data validation, such as mouse movements, mobile swipe, and accelerometer data, catches malicious botnets. Rate limits based on device fingerprints — not IPs — provide further protection.

"Competitive data mining for ticket price and inventory was a constant threat. Not only was Imperva's bot management able to help us identify and block the bots performing this scraping, they also helped us greatly reduce transaction fraud and account takeovers."

Marty Boos
CIO, Technology Operations

The industry-recognized leader

Forrester named Imperva Bot Management (formerly Distil Networks) a leader in bot management, the provider with the most visibility and control over abusive traffic, and rated Imperva as a differentiator in 9 out of 10 categories. No other provider brings a higher level of expertise and knowledge to bot protection. Our analysts have more years of experience fighting bad bots than competing bot defense products have been in existence.

Superior technology

Imperva Bot Management is the most comprehensive and mature detection and mitigation solution available today, covering the widest variety of evolving automated attacks.

Go beyond web-only solutions to protect APIs and mobile apps

Real-time updates leverage the wisdom of the crowd

The most insight and control over abusive traffic

Hi-Def fingerprinting analyzes over 200 device attributes
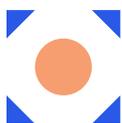
Deeper browser validation catches what others miss

Imperva CAPTCHA easier for humans but harder for bots

True machine learning and biometric validation
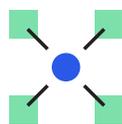
Easy-to-manage ACLs go well beyond IPs and Geo locations

Exceptional service

Imperva understands that any attack, at any time, is a threat to your business. That's why we tirelessly defend your business by securing the mission-critical applications and data upon which you rely. For every threat that requires your attention, we'll help you take effective action. Imperva provides dedicated support and response services, with analysts who work side by side with you each step of the way. When you're under attack, our team of experts is ready to go to battle.

30% of e-commerce website visitors are competitors, hackers, and fraudsters.

IMPERVA APPLICATION SECURITY

Imperva Bot Management is part of Imperva Application Security, a defense-in-depth solution that mitigates risk to your business by providing protection wherever you choose to deploy - in the cloud, on-premises, or via a hybrid model.

Imperva offers advanced analytics to quickly identify the threats that matter, Web Application Firewall (WAF) solutions that block the most critical web application security risks, DDoS protection with a 3-second mitigation SLA, API Security that integrates with leading API management vendors, Runtime Application Self-Protection (RASP) for security by default against known and zero-day vulnerabilities, and a developer-friendly Content Delivery Network (CDN) for the utmost performance. Through FlexProtect, our unique licensing model, you can deploy Imperva Application Security solutions how and when you need them.

Imperva is an analyst-recognized, cybersecurity leader championing the fight to secure data and applications wherever they reside.

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