

Bot Manager

Advanced strategies to flexibly manage the long-term business and IT impact of bots



Websites provide online businesses with an unprecedented level of contact with customers and end users. However, they also place business information where it can be easily accessed by third parties – often using automated tools known as “bots”. For many organizations, bots represent up to 50% or more of their overall website traffic, from good bots engaged in essential business tasks to bad bots conducting fraudulent activities. Regardless of business impact, bot traffic can reduce website performance for legitimate users and increase IT costs. Organizations need a flexible framework to better manage their interaction with different categories of bots and the impact that bots have on their business and IT infrastructure.

Bot Manager

Bot Manager relies on the simple premise that not all bots are created equal. Many bots play a legitimate role in an organization’s online business strategy. Others harm the business by reducing competitive advantage, getting between an organization and its customers, or committing fraud. Traditional bot mitigation tools typically only block bot traffic, impacting beneficial and harmful bots alike while prompting bots to evolve and return better hidden from detection.

Bot Manager provides organizations with a flexible framework to better manage the wide array of bots accessing their websites every day. It offers the abilities to identify bots as they first arrive, categorize different types of bots, and apply the most appropriate management policy for each category. This allows greater control over how each organization interacts with different types of bots, maximizing business benefits while minimizing any negative business or IT impacts.

How It Works

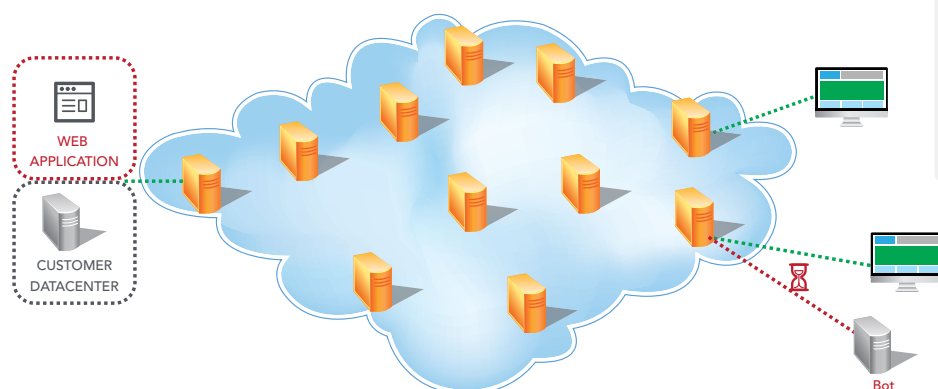
Bot Manager combines the visibility and scale of the globally-distributed Akamai Intelligent Platform™ with bot-specific capabilities to identify, categorize, manage, and report on bot traffic. Bot Manager identifies bots as they connect to websites through the closest Akamai Edge server, using a combination of Akamai’s visibility into worldwide bot activity, custom bot signatures, and the real-time detection of unknown bots.

Organizations have the flexibility to manage identified bots individually or create categories of bots, assigning different management policies based on the desired interaction with each bot or bot category. Bot Manager helps organizations better understand their bot traffic through the Security Center dashboard and built-in Bot Activity and Bot Analysis reports.

Bot Manager provides identification, categorization, management, and reporting of bot traffic in the cloud with the globally distributed Akamai Intelligent Platform

BENEFITS TO YOUR BUSINESS:

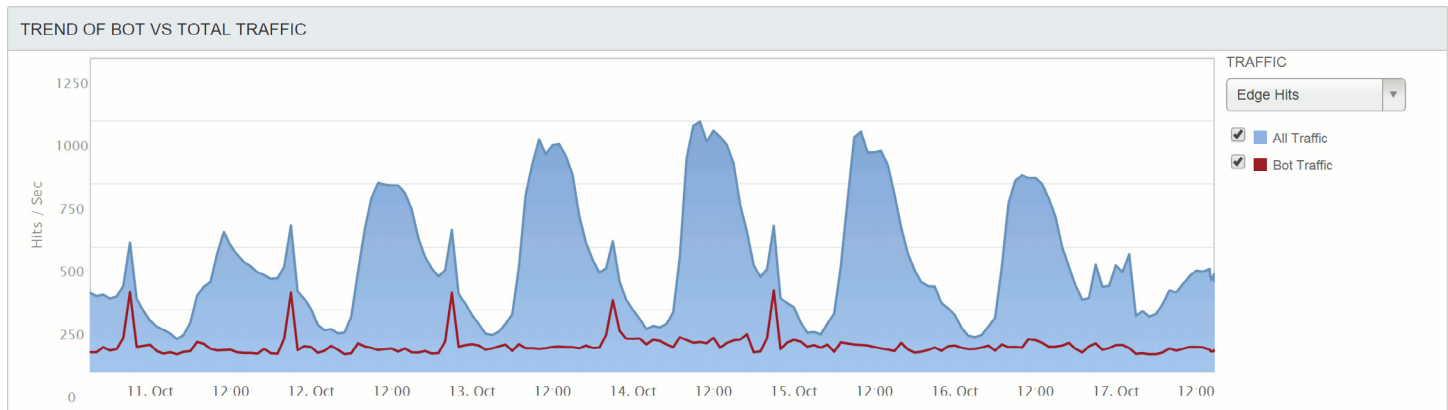
- **Control** the wide range of automated bot traffic interacting with your website, including both good and bad bots
- **Gain visibility** into the amount and characteristics of bot traffic attempting to access your website.
- **Maintain a competitive advantage** and retain control over customer relationships by preventing price and content scraping.
- **Reduce financial risk** by protecting against credential abuse, card balance checking, and other forms of web fraud.
- **Lower costs** by slowing the growth of your web infrastructure and reducing the IT overhead required to manage bots yourself.
- **Improve user experience** by reducing the impact of bots on the web infrastructure during regular business hours.



MANAGE, NOT MITIGATE

- Identify known and unknown bots.
- Categorize bots based on business impact and detection method.
- Assign appropriate management policies to every bot category.
- Report on and analyze ongoing bot traffic and activity.

Bot Manager



Key Capabilities

- **Leverage bot intelligence** — Akamai continuously updates its directory of more than 1,400 known bots in 17 categories that commonly interact with Akamai customers, using its Cloud Security Intelligence (CSI) big data analysis engine.
- **Manage bots by reputation** — Bot Manager automatically takes action on individual bots based on past web scraping activity across all Akamai customers, including many of the world's largest, most heavily trafficked, and most frequently attacked websites.
- **Detect unknown bots** — Bot Manager detects traffic from unknown bots using a variety of techniques, including user behavior analysis, browser fingerprinting, automated browser detection, HTTP anomaly detection, high request rate, and more.
- **Automate with machine learning** — Bot Manager automatically updates the characteristics and behaviors used to identify bots, from behavioral patterns to the latest reputation scores across the Akamai platform.
- **Customize to your bot traffic** — Bot Manager allows organizations to create custom bot signatures and categories to identify specific bots that regularly interact with their website and assign different actions.
- **Business-oriented policies** — Bot Manager enables organizations to apply different management policies to different categories of bots in order to achieve different business and IT outcomes.
- **Manage bots with advanced actions** — Bot Manager provides a wide range of actions that can be applied to different types of bots, including alert, block, delay, serve alternate content, and more. In addition, organizations can assign different actions based on the URL or time of day, or by percentage of traffic.
- **Bot-centric reporting and analysis** — Bot Manager provides a combination of real-time and historical reporting on bot traffic, from high-level statistics to better understand bot trends to detailed analysis of individual bots or other segments of your bot traffic with sampled HTTP requests and responses.
- **SIEM Integration (optional)** — Enhance visibility into all web traffic by integrating event logs with your security information and event management (SIEM) tool.
- **Mobile Protection (optional)** — Protect mobile apps and APIs against automated bots by integrating Bot Manager's bot detections into your native mobile app.
- **Site Shield (optional)** — Cloak (hide) your application origin from the public Internet to help prevent bots from bypassing the cloud-based protections of Bot Manager and directly accessing the origin.
- **Readiness and Response Service (optional)** — Dedicated Akamai experts perform regular analysis of bot traffic and update Bot Manager configurations as needed, as well as provide emergency support for discovered security events.

The Akamai Ecosystem

Akamai makes the Internet fast, reliable, and secure. Our comprehensive solutions are built on the globally distributed Akamai Intelligent Platform™, managed through the unified, customizable Luna Control Center for visibility and control, and supported by Professional Services experts who get you up and running easily and inspire innovation as your strategies evolve.



As the world's largest and most trusted cloud delivery platform, Akamai makes it easier for its customers to provide the best and most secure digital experiences on any device, anytime, anywhere. Akamai's massively distributed platform is unparalleled in scale with more than 200,000 servers across 130 countries, giving customers superior performance and threat protection. Akamai's portfolio of web and mobile performance, cloud security, enterprise access, and video delivery solutions are supported by exceptional customer service and 24/7 monitoring. To learn why the top financial institutions, e-commerce leaders, media and entertainment providers, and government organizations trust Akamai, please visit www.akamai.com, blogs.akamai.com, or [@Akamai](https://twitter.com/Akamai) on Twitter. You can find our global contact information at www.akamai.com/locations, or call 877-425-2624. Published 01/18.