Radware on Lumen

360-degree cloud application protection deployed directly on the Lumen edge

Nearly half of all internet traffic is generated by bots — some legitimate, some malicious. Competitors and adversaries alike often deploy "bad" bots that leverage different methods including account takeover, scraping data, denying available inventory and launching denial-of-service (DoS) attacks with the intent of stealing data or causing service disruptions. Meanwhile, sophisticated large-scale attacks often go undetected by conventional mitigation systems and strategies.

Leveraging proprietary machine learning capabilities, Radware's Bot Manager provides precise bot management across all channels by combining behavioral modeling for granular intent analysis, collective bot intelligence and fingerprinting of browsers, devices and machines. It protects against all forms of account takeover (credential stuffing, brute force etc.), denial of inventory, DDoS, ad and payment fraud and web scraping to help organizations safeguard and grow their online operations.

Intent-based deep behavioral analysis (IDBA)

Radware on Lumen helps identify the intention(s) of bots with the highest precision through proprietary, semi-supervised machine learning models.

Full coverage of OWASP automated threats

Protect from all forms of account takeover, denial of inventory, distributed denial of service (DDoS), card fraud and web scraping.

Secure all channels

Multi-vector attacks that are designed to hit multiple assets like web and mobile applications as well as APIs are a constant threat. Defend against bots that target these various digital assets.

> **"40% of all internet traffic is driven by bots – and +25% from malicious bots."**
>
> \- TechRadar, April 2021

Features

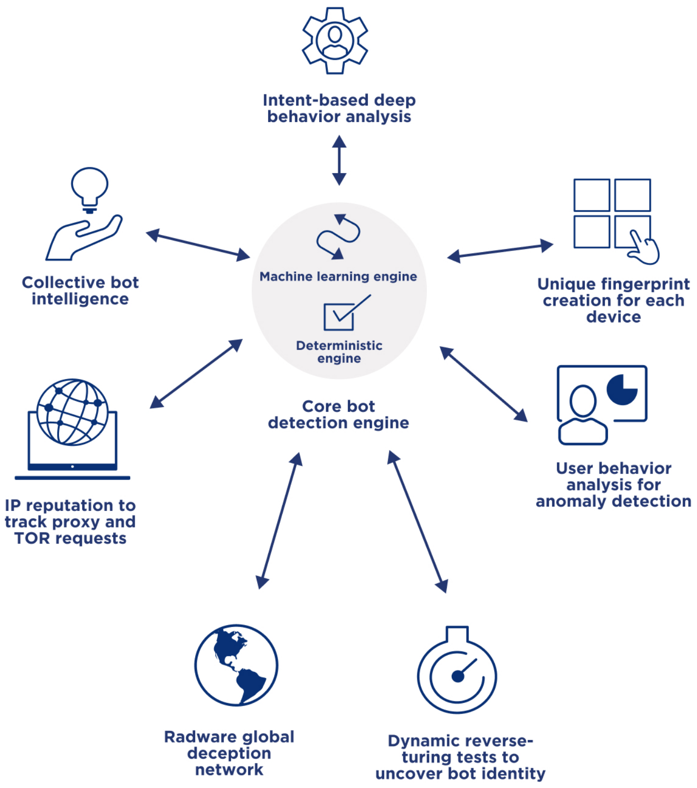
Rapid and seamless integration on the Lumen edge: Radware is deployed directly onto Lumen infrastructure through pre-built integration with minimal configuration and development work.

Handle bot traffic in multiple ways: Actions are customized based on bot signatures/types, e.g., feeding false pricing and product information to competitors' bots. Radware uses CAPTCHA for suspected bots, leveraging responses in a closed-loop feedback system to minimize false positives.

Transparent reporting and analytics: Granular classification and reporting of bots enable efficient traffic management. The solution can be seamlessly integrated with leading analytics platforms, including Google and Adobe.

Accuracy and scalability: IDBA filters highly sophisticated humanlike bots without causing false positives. Website functionality and user experience remain intact.

Dedicated API protection: Ability to control navigation flow and fingerprint M2M communications to avoid invoking APIs that are accessed or targeted by misbehaving bots.


Intent-based deep behavior analysis
Collective bot intelligence
Machine learning engine
Deterministic engine
Core bot detection engine
Unique fingerprint creation for each device
IP reputation to track proxy and TOR requests
User behavior analysis for anomaly detection
Radware global deception network
Dynamic reverse-turing tests to uncover bot identity

Radware offers advanced application protection with a WAF, bot manager, API protection and DDoS mitigation. Radware's solution set provides complete network and application protection on-premise and in the cloud. Radware protects organizations from a variety of threats, such as injections, cross-site scripting (XSS), unauthorized access, account takeover, web scraping and denial of service. Radware features proven, patent-protected machine learning capabilities, advanced automation and real-time intelligence sharing for maximum security with minimum false positives and latency.

radware

Why Lumen?

It's all about the experience. Lumen helps enterprises accelerate development workflows, optimize performance and secure applications through containerized modules designed to power and protect the digital interactions your customers demand.

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