APPLICATION SECURITY

Detect and block sophisticated bots and online fraud with DataDome and AWS

Accurate and scalable bot protection for your websites, mobile apps, and APIs

Stop bot traffic at the edge with DataDome and Amazon CloudFront

Enterprises have built the applications that drive their business forward on Amazon Web Services (AWS) because they want to move fast, innovate with cloud-native services like Amazon Elastic Compute Cloud (Amazon EC2), Amazon CloudFront, and AWS Web Application Firewall (AWS WAF), and scale to meet customer demand. But sophisticated bots and online fraud are a huge burden—and only getting worse. The basic protections organizations currently have in place are proving to be ineffective and ultimately hurt their bottom line.

Now, enterprises can get more value from their websites, applications, and APIs with DataDome's accurate and scalable bot and online fraud protection available on AWS. DataDome deploys in minutes on Amazon CloudFront and integrates with AWS Lambda@Edge, instantly providing real-time protection wherever your end users are, without needing to provision or manage infrastructure. And DataDome complements AWS WAF, enabling security teams to deploy both solutions in tandem for advanced cloud security.

In collaboration with

DATADOME

DataDome on AWS key benefits

- <0.01 percent false positive rate
- Scales protection resources by 200 times (or more) in 90 seconds
- Analyzes 3 trillion data signals per day
- 26-plus worldwide PoPs
- Zero latency

Prevent advanced bot threats with accurate, real-time protection

Advanced bots evolve quickly. To ensure detection accuracy and adapt to new threats, DataDome's machine learning (ML) engine uses 3 trillion signals per day and analyzes every request sent to your mobile apps, websites, and APIs in real time (under three milliseconds). DataDome threat researchers continually enrich the ML models to automate response to current threats.

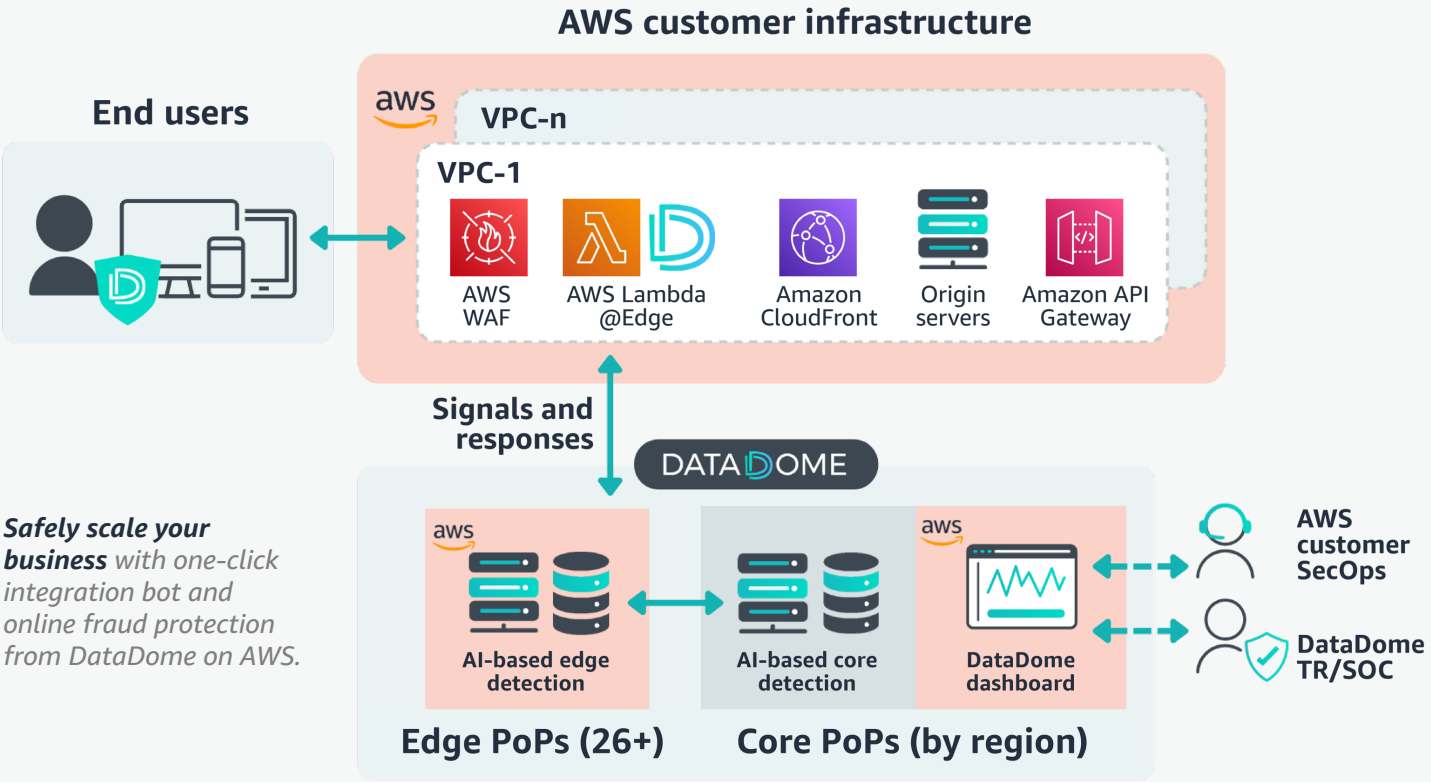
Real-time user request checks enhance security but can cause scalability and latency issues. DataDome runs its ML models at the edge through 26-plus worldwide Points of Presence (PoPs), protecting your digital assets with high availability and scalability—and zero latency added. DataDome's Autoscaler multiplies computing capacity up to 200 times its average traffic in 90 seconds or less.

What's good for your customers is good for your business

For ecommerce sites, every second counts, and any friction in the buyer journey can reduce conversion rates. DataDome provides bot protection while ensuring a frictionless user experience. Significantly fewer humans are challenged or blocked by the DataDome CAPTCHA experience, which is accessible and compliant with global data privacy laws. Only 1 in 10,000 of its CAPTCHA challenges might be seen by a human and can be solved in less than two seconds. The other 99.99 percent are stopping bots and fraud. DataDome also offers Device Check, an invisible challenge that complements DataDome CAPTCHA, validating device-specific signals with proofs of work behind the scenes—all without prompting any visible challenges to end users.

Fast time to value, then runs on autopilot

DataDome is a software as a service (SaaS)-based solution validated by AWS experts and available in AWS Marketplace. IT security teams can deploy the solution in seconds and start using it immediately with no architectural changes, complex deployments, or hands-on customization. You also get support from a dedicated security operations center (SOC) team that monitors your traffic and the solution's response 24x7. The DataDome dashboard provides real-time visibility and one-click reporting so you can quickly share insights with relevant stakeholders.



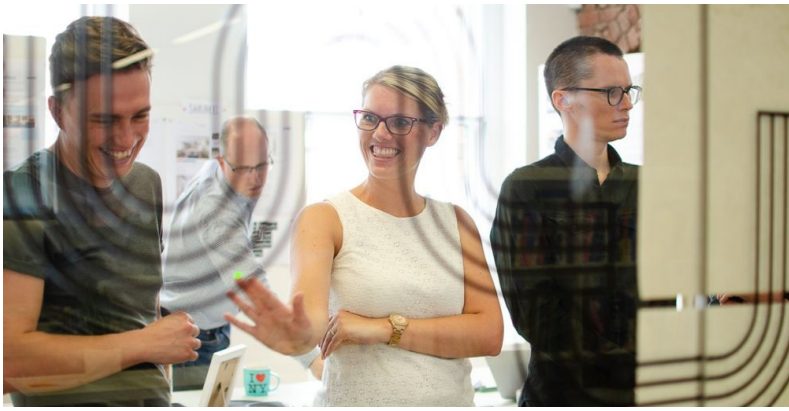
Safely scale your business *with one-click integration bot and online fraud protection from DataDome on AWS.*

Case study: AMARA eliminates 15 percent server load and ends bot incidents

AMARA is an online destination for luxury homeware in over 100 countries. Aggressive scraper bots looking to steal its product descriptions and prices were causing unpredictable traffic spikes, sometimes up to 10 times the site's normal load. This would trigger performance problems and on-call incidents.

After selecting the DataDome bot protection solution for its efficient bot detection capabilities and transparent, low-risk subscription model, AMARA's team set up DataDome via Amazon CloudFront and AWS Lambda@Edge and was pleased that the onboarding process was quick and painless.

Read the full case study.



AMARA has experienced the following positive outcomes:

- **15 percent** reduction in server load
- **100 percent** stable traffic and website performance
- **Zero** bot-related on-call incidents

> "We haven't had any bot-related incidents since we installed DataDome, including hack attacks from vulnerability scanning bots. We're also seeing a very low level of false positives, which is great."
>
> **Ross Motley,** Head of Web Development, AMARA

Deliver effective, multi-layered application security with DataDome and AWS

DataDome and AWS help protect your websites, applications, and APIs against advanced web exploits and bots that may affect availability, compromise security, and consume excessive resources through security rules. By implementing Amazon CloudFront via Lambda@Edge, you not only get the global scale of the AWS edge network, but you also protect applications by blocking sophisticated bots at the edge, allowing only authorized traffic to go through.

Start a free trial

Find DataDome in AWS Marketplace

About DataDome

DataDome is a bot and online fraud protection specialist that detects and mitigates attacks with accuracy and scalability, protecting hundreds of high-profile brands and AWS customers worldwide.

DataDome is an AWS Premier Security Competency Partner, proving AWS technical expertise and success helping AWS customers reach their security goals, and has achieved Amazon CloudFront Ready Partner and AWS WAF Ready Partner designations.

DataDome was named a Strong Performer in "The Forrester Wave™: Bot Management 2022" report and has been recognized as a leader in the G2 Grid® Reports for bot detection and mitigation, DDoS protection, and cloud DDoS mitigation.

aws PARTNER Security Competency