Darwinium

Redefining cyberfraud prevention for every customer journey

In an ever-changing digital world, cyberfraud is evolving faster than ever. Darwinium and Amazon Web Services are here to safeguard your business, your customers, and your reputation.

aws PARTNER

Darwinium

Using Content Delivery Networks (CDNs), Darwinium operates at the perimeter edge, providing continuous visibility into user behavior—from pre-authentication to payments with a single deployment. Making fraud and risk decisions at the edge ensures privacy, low latency, and eliminates the weaknesses of traditional API-based solutions. Once implemented, all user interactions on a website or app are covered, allowing real-time adjustments based on trust and risk—ensuring seamless experiences for trusted users while mitigating threats.

AWS provides the core edge, networking and storage infrastructure for Darwinium's customers to implement and fight fraud at the CDN in a privacy-first manner.

www.darwinium.com

Explore solutions from Darwinium on the AWS Marketplace

Categories

- Security
- ML solutions
- Business intelligence and advanced analytics

Delivery method

- Software as a Service (SaaS)

Highlights

- Complete visibility across digital estate
- Comprehensive fraud analytics
- Customer journey orchestration

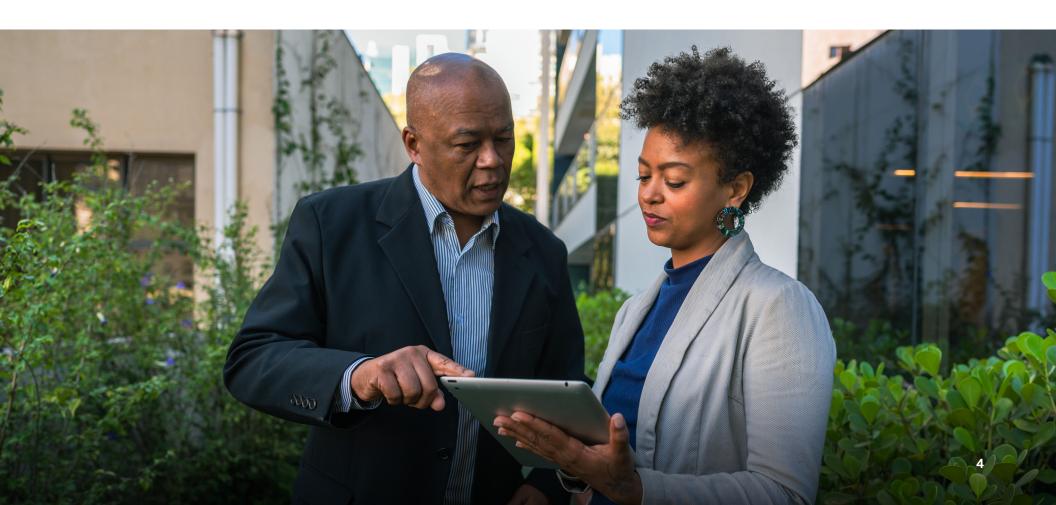# Global gaming giant boosts security and reduces fraud with Darwinium

A global gaming company used Darwinium to stop bonus fraud and make online payments more secure. Fraudsters found ways around traditional security measures using bots, private browsing, and fake identities. Darwinium quickly spotted these threats without affecting real players, improving returning user recognition to 99.95% and reducing missing data.

Its easy setup let the company expand protection to other areas, like payments, without extra effort. By blocking fraud while keeping the experience smooth for legitimate users, the company strengthened security across its platform.

Lack of customer trust creates high-friction user experience

A global fintech leader faced a tough challenge: balancing a seamless user experience with strong security. Their existing device fingerprinting struggled to track users across logins and devices, leading to excessive one-time passcode (OTP) challenges. This frustrated good customers while eating up significant operational resources and budget. They needed a solution to reduce friction while reserving OTPs for real threats.
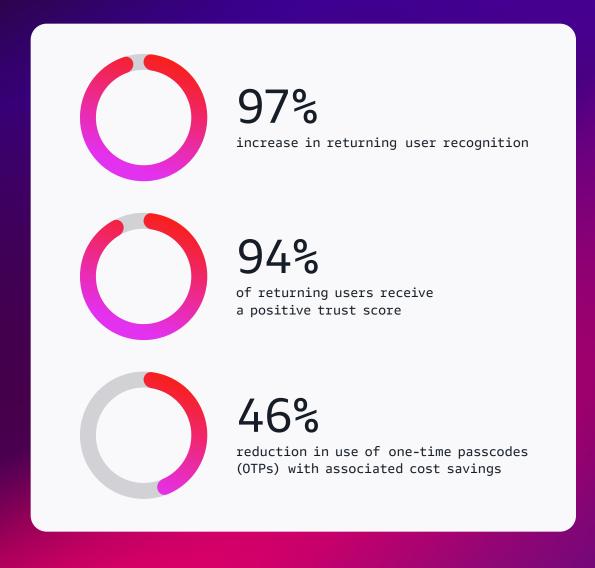
The Darwinium difference:
Deploying at the edge provides full visibility of customer behavior

With Darwinium, the fintech company achieved real-time threat response, reduced operational costs by 46%, and enhanced privacy. Deploying on Amazon CloudFront enabled superfast profiling and complete customer journey visibility. They saw a 97% increase in returning user recognition, 94% positive trust scores, and a 46% reduction in OTP use.

49
number of executed attempts by an account takeover network uncovered and blocked by Darwinium entity linkage in two days.

97%
increase in returning user recognition

94%
of returning users receive a positive trust score

46%
reduction in use of one-time passcodes (OTPs) with associated cost savings

AWS TOOLBOX

Amazon CloudFront

Securely deliver content with low latency and high transfer speeds.

Learn more

Lambda@Edge

Run code closer to users of your application, improving performance and reducing latency.

Learn more

Amazon Lambda

Run code without thinking about servers or clusters.

Learn more

Amazon S3

Object storage built to retrieve any amount of data from anywhere.

Learn more

Innovate with AWS

Power your enterprise with scalable, secure, cutting-edge solutions:

• Limitless capabilities to build and scale globally
• Secure, extensive, and reliable cloud platform
• Flexibility to innovate
• With >200 additional offerings, AWS provides an
  onramp to easily and flexibly adding new services

For more information on AWS solutions

Future-proof your business

Disrupt or be disrupted. Startups are leaders in new technologies
and help enterprises invest in the right ones for long-term success
in a rapidly evolving world.

Accelerate time to market

Execute, test, and optimize rapidly. Launch solutions with short
development cycles in an agile, low-risk, and cost-effective way
by working with startups.

Deploy cutting-edge solutions

Fuel innovation through cloud-native applications. Solve complex
business problems at scale with unique and powerful applications
from AWS Startup Partners.

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Darwinium has been architected to solve complex, evolving fraud without the heavy lift and engineering burden of legacy fraud solutions. Our partnership with AWS enables us to scale rapidly and deliver a journey-level view of user behavior via the perimeter edge. This innovation is a game changer for businesses being hit by complex, AI-driven attacks, providing the agility to stay ahead of emerging threats.

–Alisdair Faulkner
CEO & Co-founder,
Darwinium

 Darwinium

darwinium.com