

DerScanner Powered AI with GPUs from Akamai

AI security platform ran GPU-powered workloads on Akamai Cloud to support scalable, secure application analysis



Enabled scalable inference



Powered AI workloads with GPUs



Supported secure global deployments

Scaling AI-powered application security worldwide

DerSecur creates application security tools that help organizations find and fix software vulnerabilities. Its flagship product, DerScanner, analyzes source and binary code across complex and legacy environments.

When DerScanner added AI to improve vulnerability verification and automate some remediation, it needed far more compute power. To enable real-time AI inference at scale, it chose Akamai for **GPU** infrastructure and cloud services.

The challenge: Scaling AI securely and efficiently

DerScanner's goal is to speed up and simplify vulnerability detection and remediation. As David M., Senior Engineer at DerScanner, explained, "We help customers focus on real security risks. We do this by not overwhelming them with alerts."

When DerScanner added AI to its vulnerability verification workflow, it introduced two main features:

- **DerTriage**: Analyzes security findings and filters out false positives using deeper code context
- **DerCodeFix**: Generates secure, context-aware fixes with explanations developers can trust

These AI tools helped reduce noise in vulnerability reports and improve remediation speed. But they require significant compute power. This is especially true for real-time inference across large codebases.

"We needed high-performance GPUs," said David. "That requirement was nonnegotiable, but these GPUs were expensive and limited in availability."

DerScanner also needed to stay flexible in delivering its tools. Some customers prefer a cloud model. Others need private, controlled environments to satisfy strict data privacy rules.



Location

Rishon LeZion, Israel
derscanner.com

Industry

Software and SaaS

Solution

Cloud Computing

Products

[Akamai Cloud](#)
[Block Storage](#)
[GPU](#)
[Managed Databases](#)
[NodeBalancers](#)



Choosing Akamai for AI-ready infrastructure

DerScanner already used Akamai cloud infrastructure for general compute workloads. So it included Akamai in its search for solutions. Most providers could offer basic compute resources. But few could meet the combined need for GPU availability and performance in the locations where DerScanner needed it.

Akamai stood out as a strong fit for these requirements. “GPUs are one of the hardest resources to secure at scale,” said David. “Akamai gave us the performance-to-price balance and responsiveness we needed. It also supports general cloud and high-performance AI workloads on a single platform.”

To power its platform, DerScanner uses several Akamai cloud services:

- **Akamai Cloud:** Provides the core cloud infrastructure for deploying and scaling AI-driven workloads
- **Block Storage:** Provides fast, durable storage for scan data, code analysis results, and AI outputs
- **GPU** (NVIDIA RTX PRO™ 6000 Blackwell Server Edition): Offers strong performance for AI inference, vulnerability analysis, and automated code remediation
- **Managed Databases:** Supports structured storage and retrieval of vulnerability findings and metadata
- **NodeBalancers:** Distributes traffic across services to ensure stable, consistent performance for global users

Flexible architecture for cloud and secure environments

For cloud customers, DerScanner offers a managed environment hosted on Akamai Cloud. This includes the application layer, databases, storage, and AI capabilities.

DerScanner’s customizable design supports both simple and complex enterprise settings. “Our architecture is like modular building blocks,” said David. “We combine compute, storage, and GPUs based on what each customer needs.”

For customers that can’t send source code outside their environments, DerScanner uses Akamai’s infrastructure in controlled deployments. This approach ensures reliable performance for verification while protecting sensitive code.



Akamai delivered the high-end GPUs we need to run our AI workloads at scale.

David M.
Senior Engineer, DerScanner

Supporting global growth in application security

With Akamai, DerScanner gained scalable GPU infrastructure to support current workloads and future AI growth. David highlighted the importance of this foundation. “It’s amazing to have a platform that supports different use cases, growing demand, and faster innovation,” he said.

As it expands its AI-driven security across global markets, the company sees Akamai as a key partner. “Akamai gives us the foundation we need to scale AI securely and deliver accurate results to customers around the world,” concluded David.



Since 2011, DerSecur has led innovation in application security with its flagship product, DerScanner, providing comprehensive analysis of both source and binary code. Our code analysis technologies were developed at the Research Institute for Fundamental and Applied Computer Science, and are now commonly used worldwide. Currently, our team comprises 70 scientists and researchers, all focused on advancing R&D solutions in SAST, DAST, and SCA. DerScanner has gained trust and appreciation in the application security community, including being recognized by Forrester, recommended by NIST, and certified by MITRE as CWE-compatible.