

Cloudian HyperScale AI Data Platform

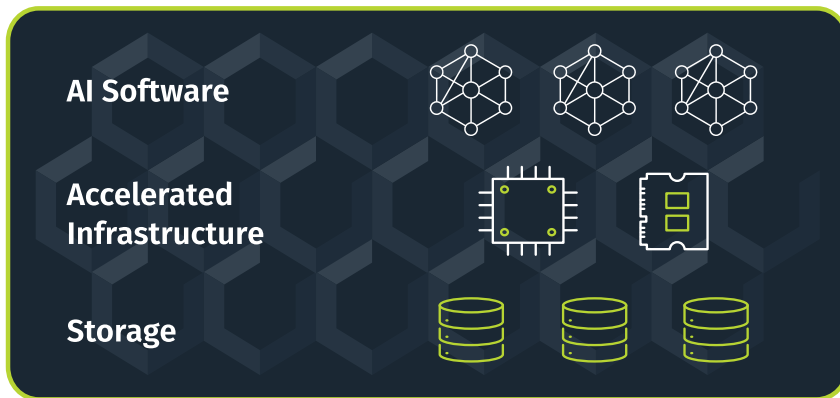
Unlocking the Hidden 80% of Enterprise Data for AI



The Era of Untapped Enterprise Intelligence

Enterprises today face a critical paradox: while AI promises transformative business outcomes, 80% of enterprise data remains inaccessible to AI systems. This vast repository of institutional knowledge—reports, manuals, presentations, videos, and multimedia content—represents decades of accumulated business intelligence that sits siloed, incompatible, or locked away due to security concerns.

The challenge isn't just about data volume; it's about making unstructured enterprise data instantly accessible and actionable for AI applications. Traditional solutions force organizations to choose between AI capabilities and data sovereignty, between innovation and security. This creates a fundamental bottleneck that prevents enterprises from leveraging AI's fullest potential to benefit their business.



Performance & Benefits

- Native S3 API compatibility with existing tools, applications and data
- Up to 8X performance improvement with S3 RDMA
- Security certifications, fully on-premises deployment
- Seamless scalability to exabytes of data
- Cost effective software-defined architecture

Technology Foundation

- Built on NVIDIA enterprise AI platform with RTX Pro 6000 GPUs
- Powered by Cloudian's proven S3 storage technology
- Industry-standard hardware
- Offered as complete appliance solution

Introducing Cloudian HyperScale AI Data Platform

Cloudian's HyperScale AI Data Platform transforms this challenge into competitive advantage. Built on NVIDIA's enterprise AI platform with RTX Pro 6000 GPUs and Cloudian's proven HyperStore technology, this integrated solution makes your enterprise data instantly AI-ready while keeping everything securely on-premises.

Unlike traditional approaches that require complex integrations, data migrations, or cloud dependencies, our platform delivers a unified architecture that simplifies deployment, reduces costs, and accelerates time to AI value. The result is faster AI insights from your own institutional knowledge, with complete security and control.

Enterprise RAG Pipeline Ready

Purpose-built for Retrieval-Augmented Generation applications that require access to enterprise-specific knowledge, HyperScale AIDP enables your AI models to leverage decades of institutional intelligence stored in documents, presentations, manuals, and multimedia content without compromising security or performance.

Scalable GPU-Accelerated Processing

Powered by NVIDIA RTX Pro 6000 GPUs and NVIDIA enterprise AI software, the platform handles demanding workloads including machine learning model training, advanced analytics, and real-time inference with predictable performance and linear scalability.

Unified Data Access for AI Workloads

HyperScale AIDP transforms how your organization approaches AI data management. The platform provides secure, transparent access to corporate data regardless of format or location, creating a global namespace that connects operational databases across diverse sources directly to AI applications in near real-time.

Key Capabilities

- **Breakthrough Performance:** Experience up to 8X performance improvement throughout the AI pipeline with Cloudian's industry-leading S3 RDMA implementation. This breakthrough technology leverages Cloudian's parallel processing design to eliminate storage bottlenecks that typically constrain AI workloads, enabling faster model training, real-time inference, and accelerated insights.
- **S3 Native:** With a native S3 API architecture, Cloudian ensures seamless compatibility with existing AI tools and enterprise data. No data reformatting, and no application refactoring. Your AI applications work with your S3 tools and data exactly as they exist today.
- **Cost Effective:** While competitors require complex multi-vendor integrations, Cloudian's software-defined approach and industry-standard hardware reduces deployment complexity and total cost of ownership. With a tested and blueprinted configuration, the solution eliminates integration risks and simplifies ongoing management.
- **Secure:** Cloudian eliminates the risks associated with cloud-based AI processing. Cloudian's platform operates entirely within your firewall. Data security is built-in with role-based access control, Secure Shell protection, threat detection, Object Lock and data encryption. These ensure your most sensitive information remains protected while being instantly accessible to authorized AI applications
- **Investment Protection:** Built on open standards and proven technologies, the platform protects your AI infrastructure investment as technology roadmaps evolve. Seamless compatibility ensures your solution grows with your needs.

Target Use Cases

- **Enterprise Knowledge Mining:** Transform institutional knowledge trapped in documents, presentations, and reports into AI-accessible insights that drive better decision-making and accelerate business processes.
- **Secure Document Intelligence:** Enable AI-powered analysis of sensitive documents without cloud exposure. Perfect for financial services, healthcare, government, and other regulated industries.
- **Video Content Analysis:** Extract actionable insights from training videos, security footage, manufacturing processes, and other visual content using advanced AI capabilities.
- **Compliance and Governance:** Maintain complete data lineage and audit trails while enabling AI innovation, supporting the most demanding regulatory requirements.

Transform your enterprise data from a hidden asset into your AI competitive advantage. Contact Cloudian today to learn how the HyperScale AI Data Platform can accelerate your AI journey while keeping your data exactly where it belongs—secure, sovereign, and instantly accessible.



Cloudian turns information into insight with an exabyte scalable platform that consolidates, manages and protects enterprise data. Cloudian enterprise file and object storage brings cloud technology and economics to the data center with uncompromising data durability, intuitive management tools, and the industry's most compatible S3 API. Cloudian and its ecosystem partners help Global 1000 customers simplify operations in enterprise use cases including data management, analytics, storage services, and AI/ML.

[More at cloudian.com](https://cloudian.com)