

VDURA for Artificial Intelligence

Fortify your AI infrastructure with enhanced protection, unmatched durability, and optimized application performance.

Introduction

In the fast-evolving field of artificial intelligence (AI), speed to decision and robust technological infrastructure are paramount. AI-driven organizations cannot afford subpar data management and storage systems, especially when dealing with innovative machine learning (ML) workloads like generative AI models. These advanced workloads demand a data platform that can provide the best reliability, durability, and performance, all while scaling seamlessly to meet growing capacity needs. The VDURA Data Platform delivers on all fronts, ensuring that AI and ML workloads are supported with a high-performance, adaptable, and reliable data solution.

AI data solutions – evolved

The VDURA Data Platform enables AI-driven organizations to optimize their data infrastructure by excelling in five key areas.

1. The gold standard in reliability and durability

Rest easy with enhanced data protection and boost productivity with maximum system availability. Integrated safeguards protect against data loss, corruption, and service interruptions. VDURA prioritizes the highest availability and rapid recovery, maintaining mission-critical AI operations without ever compromising performance.

2. Infinitely scalable performance and capacity

Accelerate your AI/ML workflows with a balanced parallel architecture that delivers infinitely scalable performance and capacity. VDURA's architecture ensures low latency and high-throughput performance required by generative AI models, enabling seamless scaling without manual tuning, thereby supporting the growing data demands of AI workloads.

3. A simple storage experience

Consolidate diverse workloads on a single solution with easy, centralized storage management and a minimal learning curve. A single storage admin with no specialty HPC storage knowledge can easily oversee a VDURA environment at any scale, making it ideal for AI applications that require quick adaptation and minimal downtime.

4. Intelligent data management

Unlock insights and mobility at scale for smarter decision-making. The VDURA Data Platform's discovery and movement tools enable organizations to search and analyze their files so they can mobilize them exactly where and when they are needed, enhancing the efficiency of AI model training and deployment.

5. Best-in-class TCO

VDURA's parallel architecture seamlessly blends storage media, enabling the highest performance flash tier along with the lowest cost HDD tier, complemented by automated data placement and a unified management plane. This versatile approach allows AI-driven organizations to optimize storage solutions that meet their evolving infrastructure requirements without straining budgets or overprovisioning resources.

AI use cases

VDURA partners with industry leaders to transform their data into powerful AI outcomes.

Generative AI models

Support for training and deploying generative AI models, which require high-capacity, low-latency storage solutions to handle vast datasets efficiently. VDURA ensures seamless scalability and performance, enabling faster iteration and innovation.

Predictive analytics

Enhance predictive analytics capabilities with VDURA's reliable and scalable data platform, allowing organizations to process and analyze

large volumes of data quickly and accurately, leading to more informed decision-making.

Autonomous systems

Support the development and deployment of autonomous systems with a robust data infrastructure that ensures real-time data processing and high availability, critical for the functionality and safety of autonomous technologies.

About VDURA

VDURA elevates AI and HPC data storage and management with a powerful and flexible Data Platform that delivers an unparalleled blend of performance, durability, and reliability.