

VDURA for Federal Agencies

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

About us

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.

Customers



Introduction

When speed to decision is crucial and falling behind on the technology curve is not an option, federal organizations cannot afford to have subpar data management and storage systems in their data centers.

The high-performance computing (HPC), artificial intelligence, and machine learning (AI/ML) workflows deployed across federal agencies demand a flexible data platform that can easily adapt to diverse application types and dynamically changing workload patterns. Agencies need a solution that provides frustration-free management, 24/7/365 data availability, and a wide performance profile – all at a reasonable price point.

The VDURA Data Platform delivers on all fronts.

Federal data solutions – evolved

The VDURA Data Platform enables federal agencies to optimize their data infrastructure by excelling in five key areas.

1. A truly 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.

2. Infinitely scalable performance and capacity

Accelerate your HPC, high-performance data analytics (HPDA), and AI/ML workflows with a balanced parallel architecture that delivers infinitely scalable performance and capacity. Achieve the low latency, high-throughput performance that all your applications demand – no manual tuning required.

3. 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. By prioritizing the highest availability and rapid recovery, VDURA maintains mission-critical operations without ever compromising performance, making it the proven backbone for federal data infrastructure.

4. Intelligent data management

Unlock insights and mobility at scale for smarter decision-making. The VDURA Data Platform's discovery and movement tools enable government agencies to search and analyze their files so they can mobilize them exactly where and when they are needed.

5. Best-in-class TCO

The VDURA Data Platform'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 and balanced approach allows agencies to select and optimize storage solutions that meet their ever-evolving infrastructure requirements – without straining budgets or overprovisioning resources.

Federal use cases

VDURA partners with federal leaders to transform their data into powerful outcomes. We have proven experience in the following mission-critical use cases.

Climate modeling. Data-intensive climate models allow agencies to predict environmental impacts ranging from rises in sea levels to drought risks. VDURA enables researchers to expand their modeling efforts by delivering seamless linear scalability in a fully integrated and easy-to-use solution.

Defense and intelligence. Defense and intelligence organizations must be able to quickly process vast volumes of unstructured data to analyze and respond to national security situations in real time. The VDURA Data Platform gives them the speed, agility, and reliability they need to keep operations running smoothly.

Life sciences and healthcare. As data volumes continue to grow and AI/ML initiatives expand at life sciences and healthcare organizations, VDURA provides the durable and adaptable Data Platform that optimizes molecular imaging, next-generation sequencing (NGS), and bioinformatics workflows across federal agencies.

Advanced research. The VDURA Data Platform drives advancements in computational fluid dynamics (CFD), materials science, particle physics, and space exploration research at national labs across the globe.