Performance Accelerated Workloads

Hitachi Content Portfolio

The ideal data platform for AI & HPC workloads, backed by Hitachi support and services for fully secure on-premises, cloud, or hybrid environments.

A new paradigm for accelerated infrastructure

IT demands of AI and High-Performance Computing for enterprises outstrips the capabilities of traditional storage architectures, particularly for modern GPU-accelerated workloads. Many businesses, despite substantial GPU investments, find their legacy infrastructure insufficient for AI and big data processing, leading to underutilized or unused costly GPU technology.
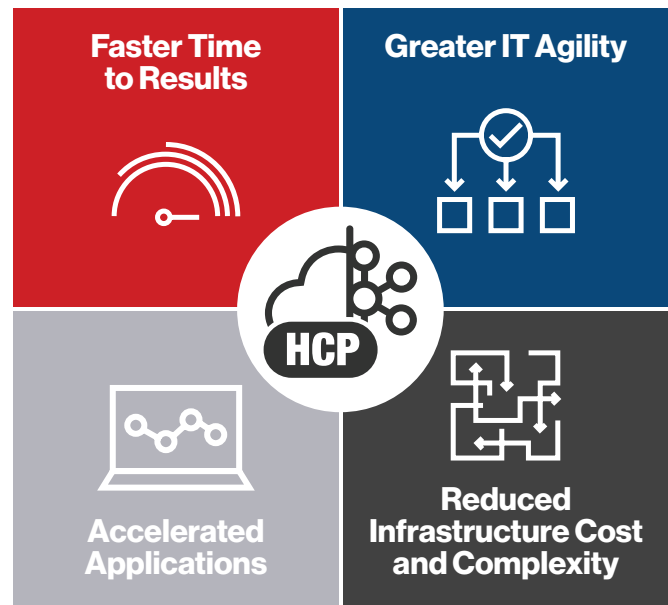
Hitachi's performance capabilities power today's most demanding applications

- Next Generation Data Analytics
- IoT & Edge Data Processing
- Artificial Intelligence/Machine Learning
- GPU Enabled Workloads
- Sustainable AI

Create efficient data pipelines and reduce management overhead

Hitachi consolidates the usual multi-hop data pipeline, prone to GPU starvation, into a single, high-performance, Zero-Copy data architecture. This platform is a fusion of high-capacity Hitachi Object Storage and high-speed Content Software for File, allowing direct GPU data access via NVIDIA GPUDirect™ Storage protocol. This setup drastically cuts infrastructure costs, rapidly makes data actionable, and significantly reduces management overhead.

The best of object and file for performance

Faster Time to Results

Greater IT Agility

Accelerated Applications

Reduced Infrastructure Cost and Complexity

Download the performance benchmarks

- **Hitachi Content Software for File**
- **Hitachi Content Platform: High-performance Object Storage for Cloud-native Applications**

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Metadata intensive low latency workloads

High Performance Object

- Big data analytics
- IoT Data
- Weather Feeds
- Genomics

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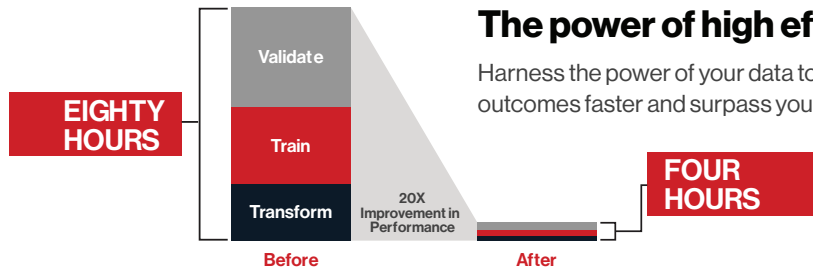## High concurrency dissimilar I/O intensive workloads

High Performance Parallel File

- Deep learning
- Media and entertainment
- Life sciences
- Cryo-EM

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The Hitachi Vantara Advantage

Integrating AI/HPC workloads into an existing enterprise is no easy task. With Hitachi Vantara we make this simple, with everything under one umbrella from consultation to integration to testing to services and support. Hitachi has a long history of developing advanced technologies and solutions in all verticals including life sciences, energy, financial services, manufacturing, and transportation solutions for major cities.

EIGHTY HOURS

Validate
Train
Transform

Before

20X Improvement in Performance

After

FOUR HOURS

The power of high efficiency

Harness the power of your data to deliver better outcomes faster and surpass your competition.

Industry examples

Discover the difference Hitachi Content Software for File makes for these industries.

Financial services

Humans can only handle about 10 technical indicators across small datasets. With AI/ML supported by Hitachi Content Software for File, you can process hundreds of technical indicators across datasets that are thousands of times larger. Find out why Hitachi Content Software for File is the world's fastest file system for financial services, delivering the highest performance for algorithmic trading, portfolio analysis, and risk management.

Learn more today →

Life sciences

With data doubling every 7 months, we're looking at roughly 40 exabytes by 2025, which will put massive strain on research budgets. Learn how Hitachi Content Software for File offers low-cost storage with hybrid cloud capabilities and supports diverse data types to help accelerate drug discovery and improve patient outcomes.

Learn more today →

ABOUT HITACHI VANTARA

Hitachi Vantara, a wholly-owned subsidiary of Hitachi Ltd., delivers the intelligent data platforms, infrastructure systems, and digital expertise that supports more than 80% of the Fortune 100. To learn more, visit hitachivantara.com.

Learn More →

Hitachi Content Platform's Performance Accelerated Workloads

Hitachi Vantara
A Hitachi Group Company