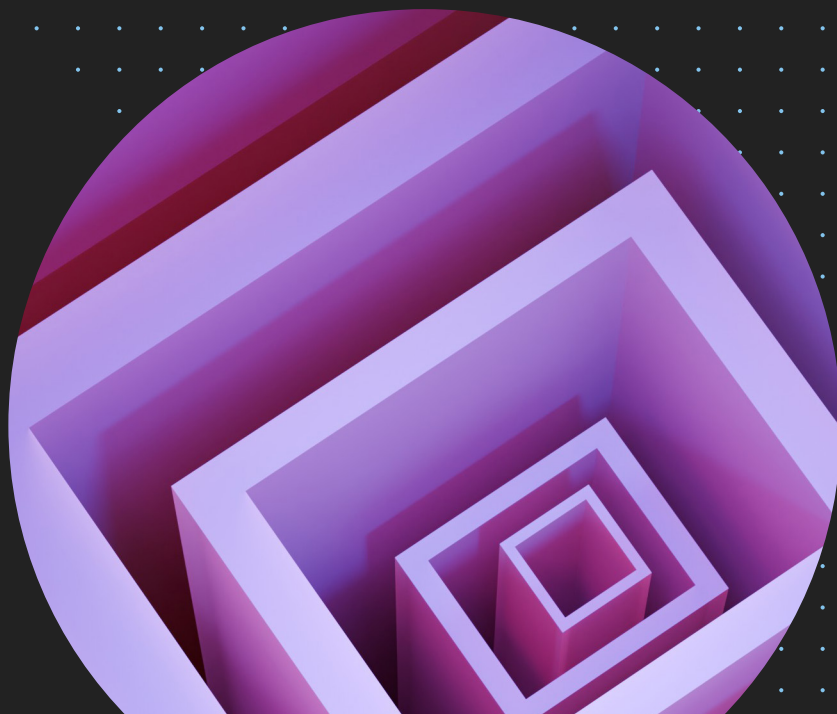*Solution Profile*

Safeguard Your Business With Modern Data Protection

Ensure continuous operations with data availability, protection and recovery.

Achieve Business Objectives

Modernize with solutions for zero Recovery Point Objectives (RPO) and Recovery Time Objectives (RTO), backed by a 100% Data Availability Guarantee

Accelerate Protection & Recovery

Instantly protect data with immutable snapshots, recover virtual machines in under 30 seconds, and continuously replicate data for disaster recovery

Reduce Complexity & Risk

Automate data orchestration across multiple data locations. Flexible solutions offer managed service options, including Data Protection as a Service (DPaaS)

Protecting data wherever it resides is challenging as Artificial Intelligence (AI) drives data growth, distribution and usage to unprecedented levels.

Businesses need to safeguard all their assets, including valuable data, information, knowledge and insights, while reducing duplication. Traditional data protection strategies, which involve creating backup copies that can be used to restore originals, are shockingly slow to execute and notorious for regularly failing. Organizations must modernize their protection and recovery strategies, approaches and mechanisms to ensure data is protected against damage, corruption and theft. Protected data must remain always available for rapid recovery to avoid business disruptions, especially during natural disasters and ransomware attacks.

Organizations must evolve their data protection strategies to reduce data duplication and meet the simultaneous requirements of diverse workloads with efficiencies, built for performance, with reliability at scale. What is needed are modern data protection solutions that:

- Eliminate storage-wasting redundant data copies with storage-efficient immutable copies.
- Fill data protection gaps by protecting all data for all workloads (not just mission-critical ones).
- Overcome limited staffing and training resources with AI-driven automation.

Complete Solution

Streamline data protection across edge, core, cloud and SaaS workloads.

Lower Costs

Consume less storage during data protection and accelerate recovery at scale.

Field-Proven Protection

Customers have experienced 100% data availability for over 20 years.

Protect Valuable Assets With Hitachi Vantara

Businesses depend on Hitachi Modern Data Protection (MDP) solutions to unify advanced data backup, replication and recovery operations. The policy-driven MDP solution automation helps businesses safeguard sensitive information with strong encryption and role-based access control. This automation orchestrates data protection, resilience, governance, retention and compliance across all environments where data lives — in the cloud, on-premises, at the edge and on service platforms.

MDP solutions are backed by valuable Hitachi guaranteed service level agreements and programs that enhance data protection for businesses to levels beyond what is possible with hardware and software alone.

- Data Availability Guarantee: provides continuous access to backup data, facilitating near-instant recovery from snapshots when needed.
- Cyber Resilience Guarantee: ensures that backups are available for clean data recovery when needed, even after ransomware attacks, which can reduce cyber insurance policy costs.
- Modern Storage Assurance: future-proofs data protection storage by adding next-generation controllers without data migrations that refresh MDP solution technology, lower total cost of ownership (TCO) and increase return on investment (ROI).

These unified and complete platforms deliver tiered resiliency zones, rapid and reliable backups, predictable recovery times and assured recovery points for predictable business continuity, accelerated disaster recovery, and near instant data recovery.

Use Cases

Optimize AI Training and Inference

Modern generative AI and emerging agentic AI workloads have raised infrastructure requirements to unprecedented levels. AI factories are replacing AI systems in a quest to accelerate innovation, creating new opportunities to leverage MDP solutions for optimizing outcomes and lowering expenses.

MDP solutions can rapidly and efficiently copy and move AI data sets. Improve AI infrastructure utilization with remote data replication that creates proximity between AI workloads and their data sets. Accelerate AI training with rapid local data replication that clones data sets to avoid impacting the workloads using original data sets. Optimize AI inference with instant thin image snapshots that generate as many virtual data sets as needed with minimal storage consumption.

The benefits of supporting AI workloads with MDP solutions are profound.

Enable Business Continuity Plans

While strategizing a Business Continuity Plan (BCP) seems difficult, implementing a BCP during business-interrupting events is worse. Too many businesses eventually discover that achieving and maintaining BCP readiness requires far more than traditional backup-based data protection.

Hitachi MDP solutions enable BCP success by combining advanced data protection technologies, like immutable thin snapshots and multi-location data replication, with industry-leading products, services and expertise. They protect business data wherever it exists — on-premises, in the cloud and in SaaS applications.

MDP solutions are backed by the Hitachi 100% Data Availability Guarantee to ensure continuous data protection, access and recovery. They are available with pay-per-use, hybrid-cloud-managed flexibility with the Data Protection as a Service from Hitachi Vantara (DPaaS).

Instantly Protect and Rapidly Recover Data

Time is a valuable resource that becomes more expensive as businesses grow and scale. This is a key reason why businesses strive to minimize the risk of interruptions that lower revenue and productivity. Yet, traditional data protection systems have a huge impact on operations during slow backups and even slower restores.

Imagine the benefits of replacing traditional slow backups with modern instant thin snapshots — featuring ransomware-safe immutability and compliance-ready retention options — that permanently eliminate the risks of missed backup windows and failed backup processes.

Hitachi MDP solutions allow businesses to perform impact-free data protection whenever they prefer (even during peak workload periods) and as often as they prefer (even multiple times every hour). Just as importantly, when every second seems an eternity, MDP solutions support near-zero RTO by recovering data in as little as 30 seconds per snapshot versus the hours and days typically required by restores from traditional backups.

15 Nines
Hitachi Data Durability
up to
99.9999999999999%

Case Study

Stock Exchange Cuts Recovery Time 95%

Ensuring complex virtualized environments are always accessible, even in the event of unexpected system downtime, requires robust business continuity, automated disaster recovery and reliable data protection.

The Tel Aviv Stock Exchange (TASE) plays a central role in the economy of a nation and the future of hundreds of companies. A discovery that business continuity plans could take more than half a day to execute risked severely interrupting business activities.

With a Hitachi MDP solution, TASE cuts disaster recovery time by over 95%, enables round-the-clock operation with automated failover and ensures complete data consistency and protection.

Learn more →

"Seventy-five percent of large enterprises will adopt BaaS [Backup as a Service] alongside on-premises tools by 2028."

Gartner, August 2024

"Modern backup and data protection technologies are transforming traditional backup strategies."

Gartner, August 2024

About Hitachi Vantara

Hitachi Vantara is transforming the way data fuels innovation. A wholly owned subsidiary of Hitachi, Ltd., we're the data foundation the world's leading innovators rely on. Through data storage, infrastructure systems, cloud management and digital expertise, we build the foundation for sustainable business growth.

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