

Data Foundation for Innovation

# Virtual Storage Platform One Object

Unlock limitless scalability, intelligent data services and unmatched efficiency with Hitachi Vantara Virtual Storage Platform One Object (VSP One Object) — third-generation object storage Hitachi has built for your data lakehouse, AI/ML and Amazon S3 workloads.

## Hitachi Vantara Customer Reach

- 9 out of 10 – Top Banks
- 9 out of 10 – Top Health Providers
- 8 out of 10 – Top Insurers
- 10 out of 10 – Top Manufactures
- 10 out of 10 – Top Telcos
- 9 out of 10 – Top Energy Providers
- 8 out of 10 – Top Retailers



## Six Requirements for a Modern Object Storage Solution

### Scalable

#### Growing Data Volumes

AI/ML and data lakehouse environments generate massive volumes of unstructured data that grow continuously, especially as new data sources are incorporated.

### Versatile

#### With Support for Unstructured and Mixed Data Types

AI/ML and data lakehouse environments often handle a mix of structured, semi-structured and unstructured data, which traditional storage architectures may not efficiently support.

### Intelligent

#### With API Integration and High Levels of Automation

AI/ML and data lakehouse workloads benefit from robust data management, life-cycle policies and seamless integration with AI and analytics tools to automate workflows.

### Performant

#### High-Throughput Workloads

AI/ML models and data lakehouse workloads require frequent and high-throughput access to large datasets, and traditional storage solutions may struggle with latency and performance issues.

### Sustainable

#### Cost-Efficient at Scale

Storing large datasets in high-performance environments can become prohibitively expensive, particularly for datasets that are constantly growing and where the data is both frequently and infrequently accessed.

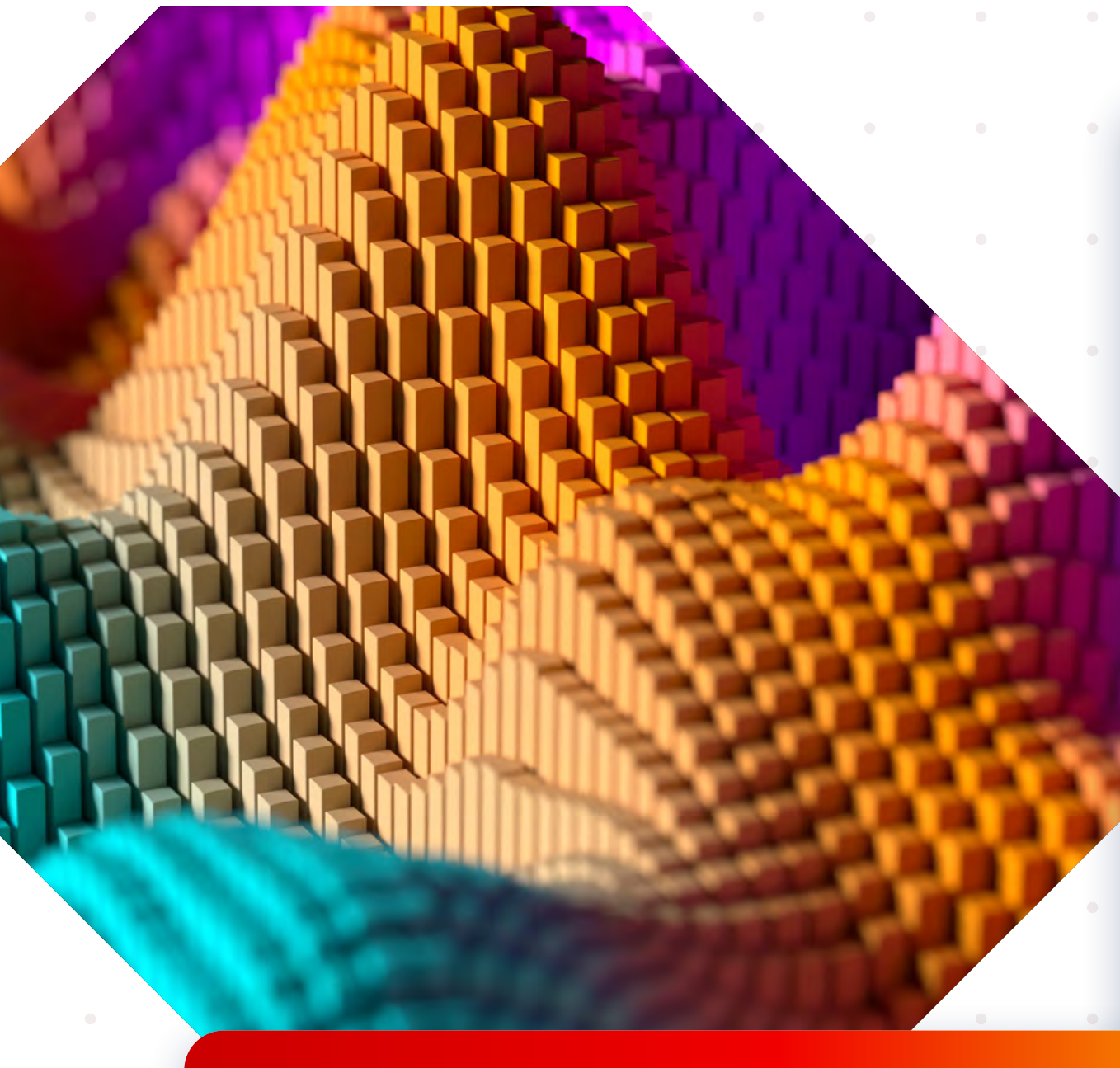
### Trustworthy

#### No Compromise on Data Availability

AI/ML and data lakehouse workloads are viewed as critical infrastructure and need 100% uptime. Having the infrastructure developed by a market-proven, reputable company is viewed as a positive.

In a world where data is growing exponentially, your storage platform must be ready to grow with it. **VSP One Object delivers a future-ready, enterprise-grade object storage solution** that aligns with your digital transformation goals. Whether it is to support your data lakehouse use case, your AI investment or your long-term retention requirements, you can unlock the power of a scalable, smart object storage — with the trust and innovation of Hitachi Vantara.

## VSP One Object – Third-Generation Object Storage



### Software-driven object storage platform

- Ideal for S3-native and data lakehouse performance-intensive workloads
- Designed for data resilience and 100% data availability for analytics and AI data pipelines
- High-density, cost-optimized solution built for massive scale
- Built-in data smarts for intelligent management, AI and analytics

### Delivering industry-leading efficiency

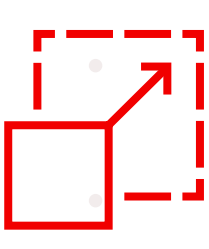
- Reduces rack space by 50-70% and improves power efficiency by up to 50% compared to other leading object storage vendors, significantly lowering data center CO<sub>2</sub> emissions\*

\*This estimation is based on an internal analysis of VSP One Object with 2 system units and 24TB NLSAS drives, compared to other leading vendors in a comparable 10PB configuration. Results will vary depending on each customer's specific configuration and load.



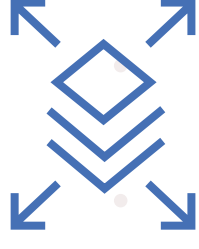
## VSP One Object Storage

### Enabling AI-Powered Business Outcomes



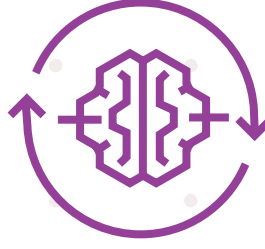
#### Scalable

Effortlessly grow from terabytes to exabytes and from millions to billions of objects. VSP One Object supports limitless data growth without compromising performance or manageability, ensuring long-term value as your business evolves.



#### Versatile

Architecture supports multiple protocols, S3-compatible APIs and mixed workload types. It allows you to scale compute and storage resources independently of one another, which means you have the freedom to deploy storage the way you want it.



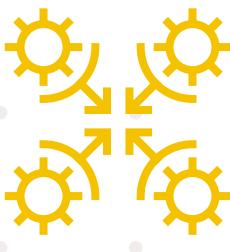
#### Intelligent

Optimize your IT operations with rich metadata, high levels of automation, intelligent data services and built-in smart features that deliver valuable insights right to your fingertips.



#### Performant

Meet demanding SLAs with low-latency access and parallel object operations. VSP One Object is engineered for speed — ensuring faster access to critical data and accelerated time to value.



#### Sustainable

Optimize power, cooling and rack space with a platform designed for energy efficiency. Achieve your sustainability goals without sacrificing performance or reliability.



#### Trustworthy

Backed by decades of Hitachi object storage expertise, VSP One Object provides the security, availability and data integrity required for mission-critical workloads. Always on. Always protected.

## Smart, Scalable Object Storage

EXPLORE VSP ONE OBJECT →

### 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.

### Hitachi Vantara

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