Solution Profile

Hitachi Virtual Storage Platform 360 (VSP 360) Unified Data Management

Adopt a modern management strategy to control, observe, and govern VSP One data services for hybrid cloud data infrastructures.

Unify Data Management

Utilize one unified management solution to improve your ability to manage, optimize and protect data services – at any scale.

Gain Predictive Insights

Improve AIOps intelligence with a central observability view to optimize system health, resource utilization and risk management while lowering costs.

Modernize Data Operations

Optimize and automate data operations to improve availability and service levels for your business-critical applications.

Accelerate data innovation with VSP 360 unified data management and elevate your data platform experience.

Today's data storage infrastructure often spans multiple data silos, disparate storage systems and application data repositories. Rapid data growth is exacerbating the issue by creating diverse data silos with various storage assets and limited visibility to optimize. Lack of data operation visibility for a wide range of applications makes monitoring more challenging and can slow new application rollouts. To top it off, many IT teams are stretched thin with varying levels of expertise required to optimize data services for differing application workloads.

VSP 360 unified data management allows IT teams of all skill levels to streamline administrative tasks, observe and gain new actionable insights to properly scale a hybrid cloud data infrastructure with intelligent data services.

Control, Observe and Govern Data Service Operations

By adopting a unified data management strategy and increasing visibility, you can transform the data management experience, solve current IT challenges, manage growth, and bolster resiliency. This empowers IT organizations to control, observe and govern data service operations, driving improved operational efficiencies.

Control – Data Infrastructure Management

With common management across VSP One data platforms, you can accelerate new system and business application deployments.

- Support VSP One data platforms across block, file and object storage
- Simplify fleet management operations
- Streamline resource orchestration and IT integration with standard-based APIs

Observe – AIOps Insights

With AIOps observability, you can deliver AI-driven predictive analytics that can be accessed from anywhere (SaaS, mobile or on-premises).

- Integrate data management visibility across your Hitachi data infrastructure
- Use AIOps analytics to optimize data management operations for improved system health, performance optimization, capacity planning and cost savings
- Enable automated telemetry data correlation, identify the root cause of performance problems, and gain sustainability analytics to drive environmentally conscious decisions

Govern - Data Governance

Utilize new data insights to effectively manage and optimize data solutions across the entire data lifecycle and ensure data governance for key initiatives, such as AI, Personally Identifiable Information (PII) protection, data classification and cyber-resiliency.

- Realize intelligent data placement and optimized data operations
- Simplify data policy validation and compliance
- Ensure Hitachi Vantara's 100% data availability, cyber resiliency, effective capacity, performance and sustainability guarantees

Embrace the VSP 360 Data Management Advantage

1. **Adopt scalable, high-performance and reliable data infrastructures** to address a diverse range of application workloads and solve today's AI data challenges.

2. **Utilize AI-driven data optimization** to help ensure the right application data is at the right place at the right time.

3. **Fast-track storage system setup**, secure access and ensure resilient data services.

4. **Automate operations with common management APIs** to easily integrate with existing IT management tools.

5. **Unify data service operations** across multiple data silos to save costs.

6. **Simplify data management complexity** across the enterprise, whether on the edge, core data center, or in the cloud.

7. **Uncover AIOps observability insights** to optimize performance and capacity utilization of VSP One storage resources.

8. **Consolidate monitoring tools and enable enterprise-wide data visibility** to address the full range of observability needs, including improving system health, capacity planning, optimizing performance, and troubleshooting problems.

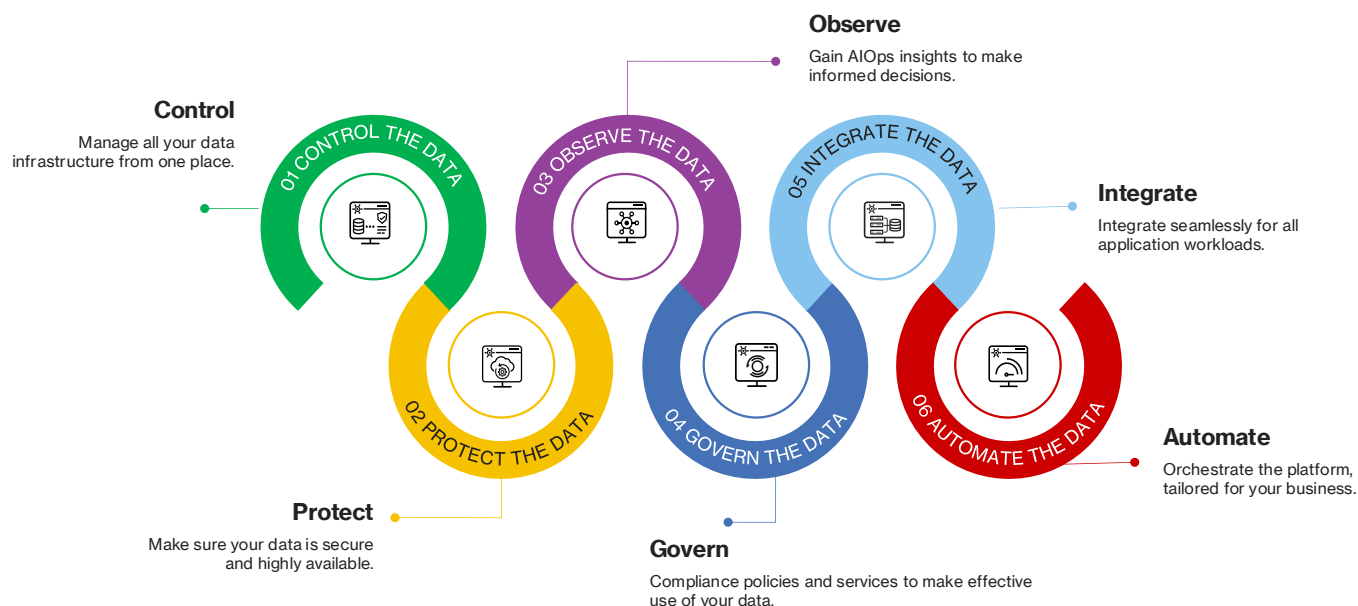# The New, Transformative VSP One Data Platform Experience

Control
Manage all your data infrastructure from one place.

Observe
Gain AIOps insights to make informed decisions.

Integrate
Integrate seamlessly for all application workloads.

Protect
Make sure your data is secure and highly available.

Govern
Compliance policies and services to make effective use of your data.

Automate
Orchestrate the platform, tailored for your business.

01 CONTROL THE DATA
02 PROTECT THE DATA
03 OBSERVE THE DATA
04 GOVERN THE DATA
05 INTEGRATE THE DATA
06 AUTOMATE THE DATA

Figure 1. VSP 360 combined with the VSP One data platform provides a unified data management solution to modernize data operations.

One Control Plane for the VSP One Data Platform

VSP 360 helps accelerate the delivery of new data resources with increased application workload agility by enabling a unified management experience across all VSP One data platforms—from block to file and object storage running as an appliance on-premises or software-defined storage in the cloud—to enable new data services and optimize business-critical data solutions.

VSP 360 Unified Data Management

The VSP 360 unified data management approach transforms operational management via unified control of VSP One data platforms to streamline the customization of data services for your business applications. By eliminating storage silos and administrative complexities, VSP 360 ensures easy, secure and resilient access to critical data. It improves data visibility by allowing you to discover actionable insights that strengthen management, optimization and governance of your data solutions.

Improve data service efficiencies with these VSP 360 management capabilities:

Integrated Fleet Management

- Enable VSP One configuration management across block, file and object storage systems from a common portal.
- Fast-track new data platform deployments with standard system configurations based on recommended best practices.
- Facilitate IT self-service by simplifying storage resource provisioning and data management operations.

Secure Data Protection

- Integrate data protection operations with high-availability and policy-based copy data management workflows.
- Enable application-aware protection by orchestrating non-disruptive snapshots for application-consistent data protection and recovery.
- Ensure cyber-resilient protection with secure immutable data volumes and intelligent restores.

AIOps Observability

- Optimize VSP One data platforms using VSP 360 Clear Sight observability with integrated performance analytics, which can be accessed via a SaaS portal, mobile or on-premises.
- Gain AI predictive analytics from across a large installed base of storage systems worldwide.
- Enhance VSP One support services with software updates, capacity upgrades and improved risk analysis from Hitachi support services and channel partners.

Data Governance

- Efficiently manage VSP One data solutions throughout their respective data lifecycles.
- Integrate new data insights across large application data sets.
- Elevate VSP One data solutions by optimizing and enforcing data governance policies including data guarantees, classification, mobility and protection.

Infrastructure-as-Code (IaC) Integration

- Streamline IT integration with direct API access to VSP One system management functions.
- Use standards-based APIs to automate VSP data operations with IT orchestration tools like Ansible.
- Enable container orchestration for fast application workload provisioning at scale.

Modern Data Platform Experience

Build scalable, high-performance and reliable data platforms to meet dynamic enterprise needs with proven data availability, performance and capacity at any scale. VSP 360 helps to enable VSP One platforms to efficiently deliver data services for new applications while ensuring a 100% data availability guarantee.

Unified Operations

Deliver new data management efficiencies through simplified administrative operations. Utilize common management across diverse data silos with orchestrated resource delivery. Lower costs by unifying data silos, optimizing data placement and consolidating the use of multiple management tools to enable IT teams to accomplish more with less.

Intelligent Optimization

Gain new data insights for more effective data management operations, mobility and governance. Leverage AIOps intelligence to improve resource utilization, capacity planning and performance optimization across your data infrastructure.

Proven Data Infrastructure Expertise

From navigating today's data management and storage challenges to prioritizing sustainability, we build the data solutions the world relies on. Our proven track record with enterprise data platforms and our deep expertise in delivering high-performance data infrastructures for mission-critical applications are trusted by some of the world's largest organizations.

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About Hitachi Vantara

Hitachi Vantara, a wholly owned subsidiary of Hitachi, Ltd., guides our customers from what's now to what's next by solving their digital challenges. Working alongside each customer, we apply our unmatched industrial and digital capabilities to their data and applications to benefit both business and society. Over 80% of the Fortune 100 trust Hitachi Vantara to help them develop new revenue streams, unlock competitive advantages, lower costs, enhance customer experiences, and deliver social and environmental value.

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