

VSP One SDS: Block Storage

Hybrid-Cloud-Ready Software-Defined Storage for Distributed Block Applications

Choose Hitachi Vantara Virtual Storage Platform One Software-Defined Storage (VSP One SDS) for:

1. Enterprise-Class, Software-First Innovations:

SDS architecture fosters agility, enabling data portability across hybrid-cloud distributed block apps. This drives petabyte scale, granular performance and adaptability, so you stay competitive and nimble.

2. Investment Protection:

VSP One SDS utilizes commodity x86 hardware, so you can avoid costly vendor-lock-ins and lengthy procurement processes. It delivers data replication and disaster recovery for third-party storage, maximizing efficiency and existing storage investments.

3. Flexible Deployment Options:

Enterprise customers have full options to deploy their SDS Block applications on-prem as an appliance (bare metal), as software only or in the public cloud, for a consistent storage layer across hybrid cloud.

4. Hybrid Cloud Support:

SDS Cloud on Amazon Web Services (AWS), Google Cloud Platform (GCP) and Microsoft Azure, lets you access, monitor and manage deployment, capacity, resiliency, mobility and performance of distributed block applications. Replication capabilities enable scalable data transfer from on-prem to cloud environments.

5. Containerization and DevOps Productivity:

Leverage capabilities of SDS architecture to realize advantages of Continuous Integration and Continuous Deployment (CI/CD). Tailor storage requirements and scale to performance, capacity and cost criteria, while API-first integrations for containerized platforms like Kubernetes drive flexibility and agility in provisioning and managing persistent storage.

6. Extended Data Services:

Patented Hitachi Polyphase Erasure Coding enhances data protection, including performance, latency and storage efficiency aspects. Data-at-rest encryption (DARE) keeps data safe from ransomware attackers while enterprise-grade remote-access server (RAS) protects with self-healing capabilities in the case of node failure.

7. Simplified Customer Experience:

Modernize with Hitachi Virtual Storage Platform 360 (VSP 360) — an automated, fully observable, cloud-based monitoring and management software for anywhere storage asset inventory across block, file or object storage. Terraform provides day 1 integrations for colocations.

8. Common VSP One Interface:

SDS block applications can use patented Hitachi Storage Virtualization Operating System (SVOS) across cloud or on-prem block applications for provisioning, data migrations, storage consolidation, and management tasks. Resulting OpEx savings include reductions in training, implementation and consumption costs.

9. AI-Driven, Automated Orchestration:

The VSP 360 AI-driven orchestration toolset streamlines administration, optimizes capacity and performance, and automates workflows for predictive decision-making. Day 1 operation support leverages ALP, CLI or an embedded GUI. And access to real-time key-metric analytics supports proactive planning.

10. Legendary Hitachi Vantara Reliability:

Downtime is not an option. You are assured 99.999% availability in meeting or exceeding application SLAs, irrespective of your deployment choice.

Hitachi Vantara