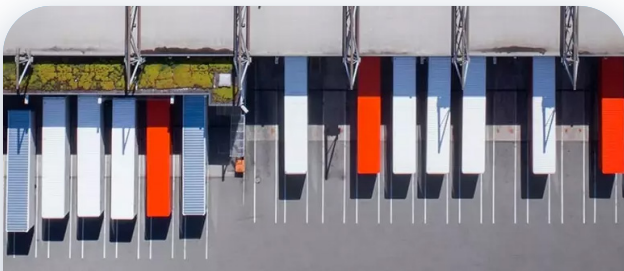


Datasheet

# Accelerate the speed of business with software-defined storage, driving agility and savings.

## Hitachi Virtual Storage Platform One Software Defined Storage (SDS) Block provides software-first storage innovation for block applications across the hybrid cloud.



*Experience enterprise class data freedom by deploying SDS Block on-premise or in the cloud.*

As the number and types of enterprise and cloud workloads increase, so do their demands on infrastructure. Storage must be agile enough to support traditional and modern databases, applications, virtual machines, and containers everywhere.

Hitachi can [help with our VSP One solutions, including VSP One SDS](#) Block storage software that runs on vendor agnostic infrastructure on-premises and in the public cloud.

SDS Block complements and extends your VSP One solution by simplifying deployment, management, and migration operations.

Experience total data freedom and gain a better ROI by running SDS Block on industry standard infrastructure on-premises and in the public cloud. Every container, virtual machine, database, and distributed block applications can experience Hitachi VSP One storage with SDS Block.

### Unleash Productivity to Accelerate Growth

Replace expensive hardware procurement cycles with enterprise class, software-first innovation for petabyte-scale, flexible capacity, and granular performance with low latency application requirements.

### Eliminate Silos with a Common Platform

Migrate block data on different systems to a single hybrid cloud platform with AI-powered administration and automation for predictive business-driven operations and decisions. This reduces your storage footprint and frees enterprise and cloud infrastructure staff to focus on key initiatives that drive the company forward.

### Improve Serviceability to Reduce Risks and Gain a Better ROI

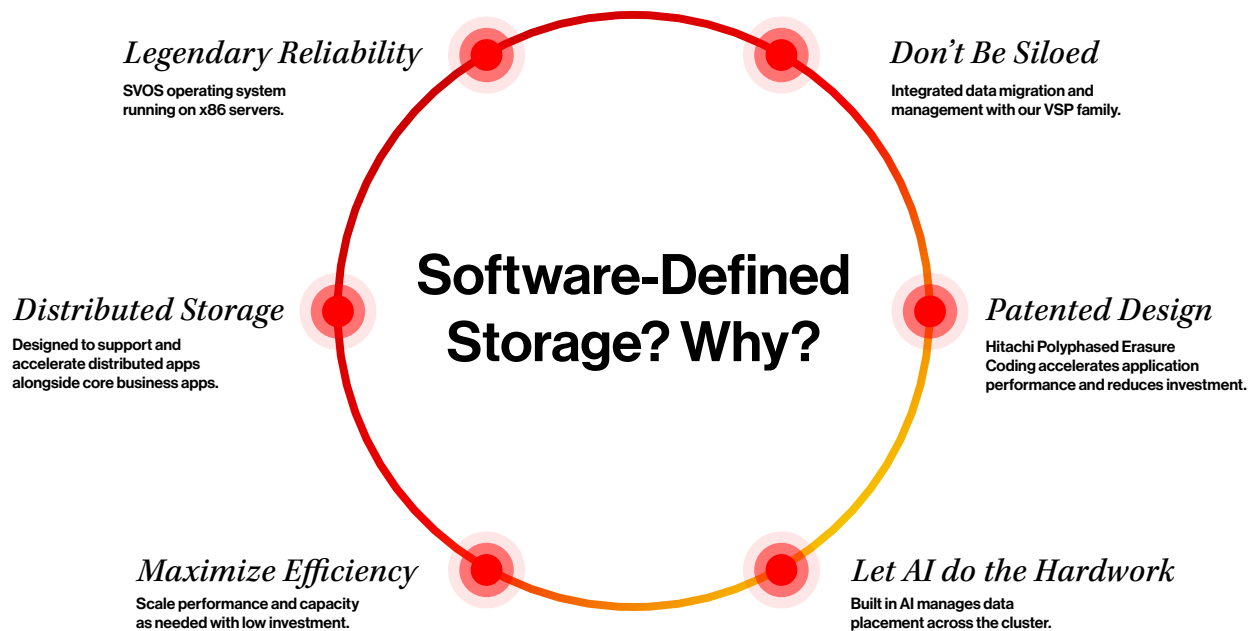
Use patented Hitachi Polyphase Erasure Coding (HPEC) for accelerated performance and enhanced data protection. Leverage trusted Hitachi business continuity strategy for seamless data mobility and governance across your organization.

### Meet Software-defined Storage Requirements

With SDS Block, you deliver enterprise class storage to traditional and modern block-based workloads, ranging from legacy databases to cloud-native applications.

SDS Block runs on vendor agnostic infrastructure, virtual machines, and containers across your hybrid cloud. You can scale terabytes to petabytes and have the flexibility to scale performance and capacity independently. With support for multiple autonomous zones you can enhance the flexibility, scalability and performance across your hybrid cloud environment.

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### Same Data Fabric for On-premises and Cloud

Enable your distributed block applications to consume the data they need from anywhere across your infrastructure with a single data fabric.

You can deploy SDS Block software on-premises using customer infrastructure and in the cloud using AWS infrastructure. SDS Block on AWS integrates with VSP One storage on-premises allowing applications to migrate seamlessly across your hybrid cloud.

### AI Powered Common Data & Control Planes

VSP One solutions share the Hitachi Storage Virtualization Operating System (SVOS) data plane and Hitachi Ops Center control plane, so SDS Block works the same everywhere—across your edge, core, and cloud environments.

The shared SVOS data plane allows data to flow across databases and applications, and the shared Ops Center control plane centralizes VSP One management.

API first integrations for containerized platforms like Kubernetes gives you flexibility and agility in provisioning and managing persistent storage.

### Unstoppable Agility

Software-first innovation designed for petabyte scale for block-based applications across multiple deployment choices. Multiple autonomous zones enhance flexibility, scalability and performance across hybrid clouds.

### Enhanced Data Services

An always-on data availability across the cluster improves access and erasure coding accelerates performance and ensures data protection. Replication ensures scalable data transfer from on-prem to the cloud.

### Automated Orchestration

Extend the same VSP One experience with AI powered common management to optimize operations across the hybrid cloud.

### Seamless Experience

Cloud based observability delivering data-driven insights across storage resources for proactive planning.

# Accelerate the speed of business with software-defined storage, driving agility and savings.

## Improve Serviceability to Reduce Risks and Gain a Better ROI

Experience the same VSP One trusted Business continuity strategy with our legendary Hitachi Reliability, Availability, and Serviceability (RAS) self-healing capabilities ensures data access across the cluster and that it remains accurate, and applications are performing consistently.

Your distributed block applications receive industry leading 99.999% availability irrespective of their SDS deployment choices.

Your data is your lifeline. It needs the highest security framework. Migrate data securely to the public cloud with DARE Encryption available on our SDS Cloud offering.

## Patented Hitachi Polyphase Erasure Coding

Unique Hitachi Polyphase Erasure Coding (HPEC) data protection technology increases capacity and accelerates performance. HPEC features a different approach than traditional RAID, improving data and parity placement to lower latency and storage resource overhead.

## Cloud-based Observability of Storage Resources

You can monitor and optimize system health from anywhere—across block, file, or object storage. With our global Remote Ops software, you get AI-driven analytics

for informed decision making. Observability extends across multiple autonomous zones and includes replication providing insights across your entire SDS infrastructure.

## Choice of Deployment Options

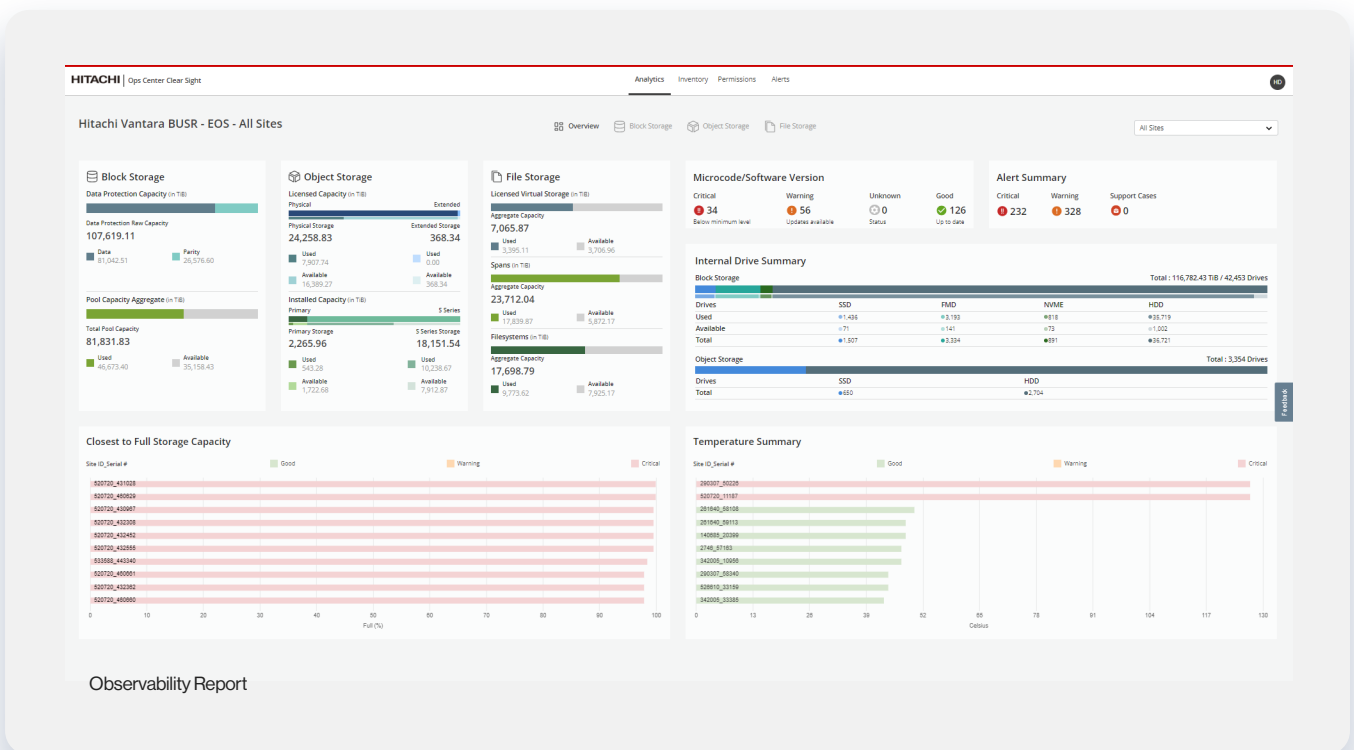
You have the flexibility to deploy SDS Block software on-premises either on a physical server of your choice or in a virtual machine or on the AWS marketplace—providing a consistent storage layer across your hybrid cloud. For a colocation option, we offer integrations with Terraform.

## Global Leaders Trust Hitachi Vantara

The reliability of Hitachi Vantara storage is legendary. That's why 90% of the world's top banks and 85% of Fortune 100 companies use VSP One storage solutions to support their open systems and mainframe environments.

## Advanced Hybrid Cloud Capabilities

SDS Block offers multiple autonomous zones (AZs) and replication for flexibility, scalability, and performance across hybrid clouds. With these features you can increase the benefits and control of your data infrastructure.



**Accelerate the speed of business with software-defined storage, driving agility and savings.**

***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.

**Download and test drive our free 90-day software trial.**

**Learn more →**



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