

Top 10 Reasons Why

# Virtual Storage Platform One Block Appliances

*Virtual Storage Platform One (VSP One) Block appliances bring hassle-free data storage with certified sustainability to mission-critical applications.*

**1. Compact Powerhouse.**

VSP One Block supports non-disruptive workload mobility across the cluster. It starts as a single, compact, appliance with up to 1.8PBe in 2U and scales up and out to 65 systems and 130 controllers – fast.

**2. Maximizes Sustainability.**

Patented Hitachi technologies minimize energy use and carbon emissions. Carbon Footprint of Products (CFP) certification quantifies the low environmental impact of VSP One Block over its life cycle. Dynamic Carbon Reduction (DCR) automatically switches controllers to ECO mode during low activity, reducing power consumption and CO2 footprint.

**3. Simplicity with AI-Enhanced Operations.**

Hitachi Clear Sight provides SaaS-based automated monitoring, predictive analysis, and fully observable cloud-based management for all VSP One solutions across the hybrid cloud. Always-on data reduction and Thin Image Advanced (TIA) accelerate recovery operations from hours to seconds for easy recoverability.

**4. Safeguards Against Ransomware.**

Eliminate threat exposure with always-available copies of production data and actively defend structured data against ransomware. A hardware root of trust (HWRoT) delivers improved cyber resiliency protection by cryptographically validating the integrity of microcode updates.

**5. Hybrid Cloud Ready.**

As the groundbreaking platform providing a data foundation for unified structured and unstructured hybrid cloud storage, VSP One Block redefines data management by working with VSP One SDS Cloud running in AWS for a complete hybrid cloud solution.

**6. Unbreakable for Over 20 Years.**

Legendary reliability for mission-critical, enterprise-class workloads. VSP One Block enhances data protection operations with always-available copies of production data. The Global-Active Device (GAD) feature enables the industry's highest availability for mission-critical business applications.

**7. 100% Data Availability Guarantee.**

Continuous data access for databases, applications, and users. Thin Image Advanced snapshots rapidly create up to 1,024 instant point-in-time copies for data protection or application testing.

**8. Industry Leading Capacity Warranty.**

The industry's only 4:1 No Questions Asked effective capacity warranty and Adaptive Data Reduction (ADR) maximize efficiency and ensure VSP One Block meets expectations. Guaranteed. Thin Image Advanced saves up to 90% or more disk space by storing only changed data blocks, and deduplicated and compressed snapshots.

**9. Scalable Storage Capacity.**

VSP One Block 2U appliances support a 33% increase in port density with up to 32 host ports and a 200% increase in native NVMe drive counts compared to VSP E590 and E790 2U models. Dynamic Drive Protection (DDP) allows for adding capacity at a granular level, reducing media investment and providing for more efficient use of drive slots.

**10. Trusted by Global Leaders.**

More than 75% of the Fortune 100 rely on VSP One, including 10 out of 10 top insurers and telcos, 9 out of 10 top manufacturers and health providers, and 8 out of 10 top banks.