

*Solution Profile*

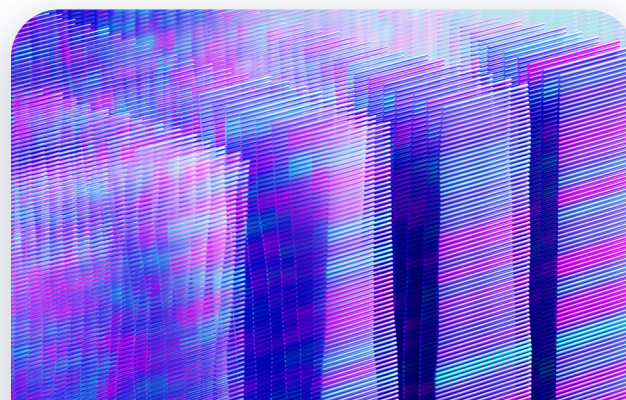
# Accelerate SAP HANA Performance With Hitachi Vantara and Eviden

**Enhance your SAP HANA performance with scalable, modular and flexible storage solutions from Hitachi Vantara and Eviden. Start small and effortlessly grow as your business expands, ensuring you're always ready for growth. Enjoy premium scalability, reliability and performance, consolidating your resources efficiently.**

## *Optimize Your SAP HANA Environments With Integrated Systems Powered by Hitachi Vantara Virtual Storage Platform One and Eviden Servers*

Major challenges IT faces with SAP HANA environments include the complexity of implementation, high resource requirements and difficulty in performance tuning and data migration. Additionally, there are concerns in these environments about skill shortages, cost management, integration with other systems, compliance and security.

Solutions for SAP HANA, powered by Hitachi Vantara Virtual Storage Platform One (VSP One) and Eviden BullSequana SH series servers, simplify your environment while optimizing performance. With a low-latency, high-performance, scalable modular infrastructure, these solutions provide a resilient foundation for critical SAP applications. They ensure minimal downtime through a comprehensive range of workload recovery options, delivering the resilience your SAP HANA systems demand.



### **Key Benefits of Hitachi Vantara and Eviden Partnership**

- **Unparalleled Scalability and Performance:**  
Experience exceptional efficiency and growth potential tailored to your needs.
- **Robust Workload Recovery and Resilience:**  
Ensure uninterrupted operations with reliable recovery solutions.
- **100% Data Availability Guarantee:**  
Count on constant access to your critical information.
- **Leverage Over 25 Years of Expertise in SAP Environments:**  
Both companies have decades of experience to optimize your SAP HANA environments.

## Customer Advantages

We've rigorously validated and tested VSP One systems from Hitachi alongside Eviden scalable BullSequana servers to deliver exceptional performance for SAP applications. The outcome is a remarkable enhancement in both performance and memory capacity for SAP workloads.

**Benefit:** *Enhanced application response times lead to faster insights and significantly boost your overall return on investment.*

Up to  
**260%**  
performance boost

**AND increased memory  
capacity for SAP Business  
Warehouse workloads\***

Hitachi Vantara Virtual Storage Platform One scales up to 33m IOPS per VSP 5600 storage system and up to 500 SAP HANA nodes for a 10x VSP E1090 virtual storage scale-out (VSSO) configuration. With Eviden BullSequana SH series servers powered by the latest Intel 4th Gen Xeon Scalable Processors, we can scale up to 32TB of memory in a single compute node or SAP HANA Scale Up system.

This joint solution ensures that your business stays ahead with a system that scales effortlessly with your growth. You achieve performance that outshines competitors by 16%, and a storage capacity that reaches a staggering 69PB in a single VSP 5600 configuration.

Experience the best of both worlds: an integrated SAP solution powered by Hitachi Virtual Storage Platform One and Eviden's powerful servers, offering unmatched efficiency and rapid decision-making capabilities.

## Stronger Together: Key Benefits for Your SAP HANA Environment

- **Unmatched Storage Scalability and Reliability:**  
VSP One offers a 100% data availability guarantee, ensuring exceptional reliability.
- **Exceptional Performance:**  
BullSequana servers, particularly the 12- and 16-socket configurations, now stand as the world's fastest SAP HANA servers, offering up to 260% higher performance and double the memory compared to the previous generation servers.\*
- **Efficiency with Consolidation:**  
Enabling up to 500 HANA instances, VSP One allows for significant application consolidation into a single global system.

**SAP Business  
Warehouse/  
SAP S/4HANA**

**100%**

**More Memory**  
(1.5TB/CPU vs 768 GB/CPU)

**SAP S/4HANA**

**33%**

**More Memory**  
(2TB/CPU)

Figure 1. Experience faster data loading from multiple sources, enabling quicker consolidation in your data warehouse. With enhanced query performance, accessing and extracting critical information is swifter than ever. These improvements drive more efficient decision-making and accelerate your time to insights, propelling your business forward.

### A Game-Changer for Consolidating and Upgrading Your SAP HANA Environments

As organizations transition from ECC (ERP Central Component) to the more advanced SAP S/4HANA, integrated systems powered by VSP and BullSequana servers have become a transformative solution. This powerful combination empowers businesses to consolidate SAP HANA instances effectively and create a globally integrated system, facilitating seamless upgrades and optimizing overall performance.

#### Outcomes include:

- **Modular Design** — Allows for quick scaling to meet changing business needs.
- **Continuous Innovation and Reliability** — Ensures the infrastructure remains up to date and dependable.
- **Unified Solution** — Consolidates multiple product categories to facilitate innovation and reduce costs.
- **High-Performance Integrated Infrastructure** — Delivers instant query responses for smooth operations.
- **CFP-Certified Storage** — Guarantees 100% data availability and encryption.
- **Cyberattack Protection** — Offers robust measures against cyber threats.
- **Compliance** — Maintains alignment with regulatory requirements.

### About Hitachi Vantara

Hitachi Vantara, a Hitachi, Ltd. subsidiary, is the data foundation for innovation. We build resilient data storage and infrastructure the world's innovators rely on.

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#### Extreme Performance of CPU (processor in server)

**180%**  
more cores

**160%**  
higher memory  
performance

**400%**  
higher data transfer rate

#### SAP Business Warehouse Performance (8 socket)

**260%**  
faster data load

**180%**  
higher query execution

**37%**  
faster query runtime

Figure 2. With multicore processors, significantly accelerate information processing and vertically scale your server, vastly enhancing overall compute power for your business.

### Streamline Your SAP HANA Environment With High Performance, Scalability and Resilience

Whether you are migrating to SAP/4HANA or modernizing your SAP environments, the combination of the Hitachi Virtual Storage Platform One storage arrays and Eviden servers offer the most powerful solution for your SAP HANA environment.

**Contact Hitachi Vantara today to learn more about the possibilities to redefine your SAP HANA data performance.**

**Learn more →**

Note: Recently published SAP Business Warehouse (2BWH) benchmarks showcase excellent performance with an increasing number of processors and data records. Scaling from 6x Intel Xeon 4th-generation CPUs and 6.5 billion BW data records up to 16 CPUs and 79.3 billion records, Eviden and Hitachi Vantara show unmatched performance and scalability.

\*Overall benchmark results were obtained through joint testing by Hitachi Vantara and Eviden. Node scalability figures are estimations derived from internal assessments by SAP solution engineering experts.