Maximize Your SAP Investment With Hitachi Data Systems: Deliver Enterprise-Class Scalability, Agility and Reliability

- **Scalable:** Futureproof to support growth with no downtime.
- **Agile:** System design to deployment from 5 days to 2 weeks.
- **Cost-Effective:** Rapid time to value and lower total cost of ownership (TCO).
- **Real Time:** Fresh data for smarter decisions at market speed.
- **Reliable:** 99.999% uptime for 24/7 business performance.

SAP helps companies of all sizes and industries run better. From back office to boardroom, warehouse to storefront, desktop to mobile device, SAP empowers people and organizations. SAP helps them to work together more efficiently and use business insight to stay ahead of the competition. To realize the full power of SAP’s capabilities, companies must choose the right hardware infrastructure that helps to speed innovation and drive breakthrough results. At the same time, the infrastructure must support unlimited data growth and the evolving demands of potentially thousands of concurrent users.

A reliable compute and storage infrastructure that delivers scalability and high performance enables SAP applications to perform at the speed of business. It also allows report creation and analysis to be performed faster than ever before, enabling timely decision-making.
Hitachi Data Systems Solutions for SAP

Hitachi Data Systems is building on its strategic partnership formed with SAP 2 decades ago to deliver an enhanced portfolio of solutions for SAP. Committed to helping companies maximize SAP investments while accelerating innovation and realizing new business breakthroughs, HDS offers a solution that includes enterprise-class business and analytic applications, database, servers and storage systems. Designed to deliver futureproof scalability, five nines availability and unmatched agility, Hitachi solutions support the following requirements for SAP customers:

- Deliver high-performing, real-time analytics for smarter, faster decisions.
- Speed up mission-critical business processes that enable competitive advantage.
- Provide flexible data management while controlling costs.
- Enable information lifecycle management (ILM) to ensure compliance.
- Ensure data protection for 24/7 business continuity.

Featuring “scale-up” and “scale-out” capabilities, Hitachi solutions enable your IT teams to manage exponential data growth with on-demand scaling of compute and storage. You realize a nondisruptive upgrade path for your SAP software, supporting your business’ evolving requirements.

Innovate With Real-Time Analytics and Actionable Information

Thriving in today’s accelerated competitive environment requires your stakeholders to respond in real time to changing market conditions. Yet, too often, the large data sets needed to quickly make informed business decisions are beyond the capabilities of conventional infrastructures. SAP HANA software running on Hitachi Unified Compute Platform (UCP) Select for the SAP HANA Platform offers an appliance model that solves this challenge. It delivers real-time analytics, so companies can respond to market events as they happen.

SAP HANA platform uses an innovative in-memory database to enable analysis of massive data sets. As a result, information-driven enterprises can gain real-time insights and accelerate business decisions. Hitachi UCP Select for SAP HANA runs SAP HANA using an integrated, high-performing hardware platform. The platform combines Hitachi Compute Blade 2000 server technology and enterprise-class storage: Hitachi Unified Storage (HUS) to scale up and Hitachi Virtual Storage Platform (VSP) to scale out. These Hitachi offerings integrate with leading network components from Brocade and Cisco. With end-to-end hardware and software integration and streamlining of complex tasks, you can unlock answers and enable breakthroughs, faster than ever before.

Besides the SAP HANA appliance model, SAP offers another way for deploying SAP HANA. The tailored data center integration (TDI) program provides users with an open and flexible way to run SAP HANA. TDI gives organizations the choice to configure their SAP HANA infrastructure depending on their business needs as well as their existing data center components.

Hitachi enterprise storage platforms, VSP and HUS VM are both certified for deploying SAP HANA via the TDI program. Organizations that have VSP and HUS VM can re-use these storage systems and leverage established operational processes to deploy SAP HANA. As a result, reduced capital and operational expenses as well as reduced risk are achieved.

“The combination of SAP HANA and Hitachi UCP Select for SAP HANA delivers the compute and storage performance and high throughput that we need to make smarter business decisions, faster. By dramatically reducing the traditional delay between operations and analytics, it enables us to gain near real-time insight and information.”

Alvin Lim, Senior Vice President, Information Technology, Asia Capital Reinsurance Group information
Run Your Mission-Critical Business Processes at Market Speed

Executives wanting to run every facet of their business in real time are increasingly turning to the next-generation SAP HANA platform to power their SAP Business Suite environment. This solution unifies analytics and transactions on a single in-memory platform for faster business processes and analytics. Optimized for workload-specific performance, reliability and support for disaster recovery, Hitachi UCP Select is certified to run SAP HANA for SAP Business Suite.

For companies wanting to establish a virtual infrastructure for their SAP applications, Hitachi offers Hitachi Unified Compute Platform (UCP) Pro for VMware vSphere. This solution automates and simplifies the provisioning and management of servers, storage and networking components, thereby reducing operational costs and increasing time to value.

Reduce Costs and Boost Agility With Flexible Data Management

Most companies dedicate a great deal of time and effort to configuring, deploying, monitoring and managing SAP systems and landscapes. These efforts can drive up operational costs and impact agility. SAP NetWeaver Landscape Virtualization Management (LVM) software offers a solution to this challenge. By automating repetitive tasks, SAP NetWeaver LVM positions your company to gain unprecedented visibility and control over SAP and non-SAP systems in both traditional and virtual infrastructures. As a result, you can boost efficiency and agility while lowering operating costs.

Hitachi is enabling SAP customers to realize the full benefits of SAP NetWeaver Landscape Virtualization Management (LVM) with the Hitachi Storage Adapter for SAP NetWeaver Landscape Virtualization Management (Hitachi Storage Adapter). Tightly integrating Hitachi storage management and replication systems with SAP NetWeaver LVM, Hitachi Storage Adapter helps your company save time, effort and money. It streamlines system cloning, copying, migration and refreshing of SAP systems running on Hitachi storage. The solution dynamically provisions and deprovisions both physical and virtual resources for your SAP systems. With Hitachi Storage Adapter, your administrators can improve productivity by using familiar tools. At the same time, they can enable your company to leverage SAP in a virtualized and cloud environment for increased flexibility and reduced overall costs.

Automate Data Retention for Improved Availability and Performance

The information created and held within an SAP system is most often sensitive and vital to any company. Yet, each year the volume of that data grows exponentially and leaves IT executives grappling with a cost-effective solution for dealing with out-of-date or infrequently accessed data. SAP NetWeaver ILM software addresses all the pressing issues related to TCO, risk and legal compliance. At the same time, it supports enterprise initiatives to define, document and implement policies to govern the archiving of data. With capabilities including data archiving, data management, retention management, retention warehousing and system decommissioning, SAP NetWeaver ILM uses Hitachi Content Platform (HCP) as its archive target.

SAP-certified Hitachi Content Platform is a distributed storage system, including software and hardware to support large, growing repositories of data. Your IT organization will be able to better manage the challenges related to your ever-growing volume of SAP data. You can address issues, from preserving SAP data for long periods of time to enforcing policies governing its placement, retention and eventual disposal. Whether your business requirement is legal, compliance, business or IT practices, HCP is an effective solution. HCP uses key technologies, such as data integrity checking, RAID-6, replication, encryption, “write once, read many” (WORM) and audit logging. It ensures that your data remains accessible and in its original form, for decades and beyond.

Ensure 24/7 Availability of Demanding and Data-Intensive Environments

Companies that rely on SAP to run their business require their data to be available 24/7. SAP and Hitachi are satisfying these requirements by ensuring uninterrupted operations of demanding, data-intensive environments with backup, recovery and disaster tolerance solutions.
Hitachi enables backup and recovery of the Hitachi Unified Compute Platform Select for the SAP HANA Platform scale-out architecture using Hitachi NAS Platform (HNAS) and Symantec NetBackup. Using HNAS as a staging area provides high-speed in-system backups (up to 500MB/sec) without performance impact to SAP HANA. Hitachi also supports the SAP HANA Backint API with Symantec NetBackup. This solution provides administrators with an option to leverage their existing Symantec backup infrastructure to protect against data loss due to failure or corruption.

With persistent storage playing a critical role in the protection of corporate-wide data, the SAP HANA Disaster Tolerance solution leverages storage replication. It provides for enterprise-class recovery point and recovery time requirements. The Hitachi solution for SAP HANA Disaster Tolerance is based on Hitachi Virtual Storage Platform as the SAP HANA persistent storage repository. VSP works with Hitachi TrueCopy synchronous storage replication software to enable SAP HANA Disaster Tolerance. The VSP and TrueCopy combination delivers 24/7, mission-critical access to the SAP HANA platform if the primary SAP HANA system becomes unavailable. Because your employees, vendors and customers are relying on constant availability, SAP and Hitachi are committed to ensuring your IT environment never lets them down.

Summary: Why Hitachi Data Systems for SAP?
Hitachi and SAP are building upon their 20-year partnership to help companies fully leverage the power of SAP solutions for maximum return on investment. Running SAP applications on Hitachi enterprise-grade platforms can position your company to accelerate innovation and achieve new business breakthroughs at market speed. We can help your company achieve faster time to value with a fully integrated software and hardware offering that takes advantage of in-memory databases and enterprise applications. Your business can leverage real-time analytics to deliver fresh insights and provide recommendations that positively impact your business results.

With SAP and Hitachi solutions, as your requirements evolve and enterprise grows, you can be confident that your mission-critical environment will remain up and running reliably to drive real-time business success. By enabling agility and scalability, our combined offering delivers excellent long-term value to satisfy your performance demands, even as you address cost constraints.

Hitachi and SAP: Accelerating Innovation With Information
Contact us today at 1-888-234-5601 to learn how your company can get started with the next-generation Hitachi solutions proven to help SAP customers accelerate innovation with information.

Hitachi provides scalability, agility and reliability for the most data-intensive SAP environments.

Storage Systems: Transform data into valuable information.
- Hitachi Virtual Storage Platform.
- Hitachi Unified Storage.
- Hitachi Unified Storage VM.
- Hitachi Content Platform.
- Hitachi NAS Platform.

Converged Platforms: Drive greater business agility for mission-critical SAP workloads.
- Hitachi Unified Compute Platform Select for the SAP HANA Platform (scale-up and scale-out).
- Hitachi Unified Compute Platform Pro for VMware vSphere.

Compute: Deliver enterprise scalability and reliability.

Software: Ease management and improve data protection.
- Hitachi Storage Adapter for NetWeaver Landscape Virtualization Manager.
- Hitachi TrueCopy.

FEATURED HITACHI DATA SYSTEMS TECHNOLOGIES FOR SAP

Hitachi Virtual Storage Platform.
Hitachi Unified Storage.
Hitachi Unified Storage VM.
Hitachi Content Platform.
Hitachi NAS Platform.

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