

Converged, High Performance Solution for SAP HANA

Converged Solution Ensures High Performance for the SAP HANA Platform

Hitachi® Unified Compute Platform (UCP) for the SAP HANA Platform enables enterprises to meet the requirements for today's SAP HANA business use cases. The solution supports any application, including SAP Business Warehouse (BW) on the SAP HANA platform, while providing the scalability required for widespread SAP HANA adoption.

Mission-critical, 24/7 SAP HANA environments are made possible with support for high availability, disaster recovery, and backup based on enterprise-class, top-of-the-line Hitachi hardware and software. The Hitachi solution for SAP HANA platform supports mission-critical environments using the leading Linux platform for SAP solutions: SUSE® Linux Enterprise Server for SAP Applications.

Solution Profile

Hitachi Data Systems offers Hitachi Unified Compute Platform (UCP) for the SAP HANA Platform to meet SAP HANA requirements and maximize your organization's SAP HANA investment. Hitachi's converged platform ensures a high level of SAP HANA performance with query responses, the ability to scale easily, and enhanced system reliability that guards against unplanned downtime and system outages.

The SAP HANA platform transforms business decision-making with real-time analytics for actionable and predictive insights. Enterprises running SAP HANA strengthen their competitive advantage and can foster innovation with accelerated reporting across business areas like finance, sales, procurement, shipping and master data. They can get immediate answers to pressing business questions.

To realize the benefits of the SAP HANA platform, a robust and reliable infrastructure needs to address enterprise requirements for today's initial SAP HANA scenarios and scale without affecting system performance or adding needless complexity. The need for a reliable always-on environment is increasingly important as SAP HANA evolves, the number of use cases increases and adoption spreads throughout an enterprise.

Both Hitachi and SUSE maintain strategic relationships with SAP to ensure the performance and reliability required for SAP HANA environments. Together, Hitachi and SUSE deliver true end-to-end, integrated SAP solutions that provide your organization with industry-leading availability, unrivaled scalability and exceptional performance to meet your business-processing requirements—even at peak workloads.

As the leading Linux platform for SAP HANA, SUSE Linux Enterprise Server provides proven enterprise-level reliability, availability, scalability, manageability and security for SAP HANA workloads. SAP recommends SUSE Linux Enterprise Server for SAP Applications for use with SAP deployments. The operating system is currently running in over 7,000 SAP HANA installations. In addition, SAP depends on SUSE Linux Enterprise Server for SAP Applications for its own production and development environment.

Hitachi is a leading infrastructure and services vendor for SAP HANA, with a full suite of SAP HANA offerings. Hitachi offers end-to-end SAP HANA solutions that include consulting and managed services in addition to the infrastructure.

High Performance and Seamless Scalability

To meet performance and scalability challenges, Hitachi solutions for SAP HANA scale to accommodate more SAP HANA end users and an ever-increasing volume of SAP HANA data. Designed for the highest availability and non-disruptive operations required for mission-critical applications, Hitachi solutions support this most demanding, data-intensive environment while SUSE Linux Enterprise Server consistently provides outstanding uptime and performance—even under full CPU loads and high memory stress.

Unparalleled Reliability and Increased Uptime

SAP HANA serves enterprise employees in a variety of functions—line-of-business executives, logistics, operations, finance, field employees—and they expect access to enterprise resource planning (ERP) software at all times. They rely on ERP for real-time analytics to facilitate daily operations and make strategic decisions.

AVOIDING DOWNTIME

Hitachi solutions for SAP HANA ensure data availability with safeguards to avoid unplanned downtime caused by hardware

failure, system outages and SAP HANA platform backup mechanisms. Meanwhile, SUSE Linux Enterprise Live Patching virtually eliminates unplanned downtime—and makes it easier to plan scheduled downtime—by applying critical Linux kernel fixes outside of maintenance windows. Because you never need to stop the kernel, SUSE Linux Enterprise Live Patching offers a proactive and dynamic approach to kernel maintenance that saves your company valuable time and money.

SUPPORT AND MAINTENANCE

Integrated priority support and maintenance through SAP and Hitachi covers both the SUSE and SAP elements of the solution and includes premium support options. These choices include 24/7 electronic and phone support, with industry-leading response times and instant access to all of the latest fixes and patches through a dedicated update channel.

DISASTER RECOVERY

The SAP HANA platform database holds the bulk of its data in memory to ensure optimal performance, but it still uses persistent storage to provide a fallback in case of failure. Hitachi Virtual Storage Platform (VSP) is the primary storage used to provide customers with 100% data availability. Hitachi offers a variety of disaster recovery options for SAP environments, including synchronous replication with Hitachi TrueCopy® and asynchronous replication with Hitachi Universal Replicator (HUR). The solutions also support SAP HANA Replication. Hitachi solutions support 24/7, mission-critical access to the SAP HANA platform in the event the primary SAP HANA system becomes unavailable.

Fast Deployment

Hitachi UCP for the SAP HANA Platform helps you accelerate adoption and achieve faster time to value with a single-vendor acquisition model that uses certified components and end-to-end hardware and software integration. Hitachi also provides SAP consulting services as well as managed services, providing customers with the option to have their entire SAP environment hosted and managed by Hitachi. This end-to-end offering simplifies the customer SAP experience by managing the entire life-cycle—from strategic planning and software licensing through implementation and ongoing support.

Innovation is the engine of change and information is its fuel. Innovate intelligently to lead your market, grow your company, and change the world. Manage your information with Hitachi Data Systems.

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Cloud-Based Deployments

Hitachi UCP powered by SUSE enables you to run SAP HANA on premises and in private or hybrid cloud environments, without sacrificing speed and agility. Organizations moving SAP HANA-based environments into the cloud can benefit from the speed and agility provided by SUSE Linux Enterprise Server for SAP Applications and Hitachi SAP solutions.

SUSE Linux Enterprise Server for SAP Applications is based on SUSE Linux Enterprise Server, a Linux platform that is proven in the cloud and selected for use with SAP cloud solutions such as SAP HANA Enterprise Cloud, SAP HANA One, SAP Cloud Platform and SAP-certified Amazon EC2 instances.

Hitachi Services, SAP HANA Platform “Hands-On” Lab and Support

Hitachi maintains a “hands-on” lab at the Hitachi Global Competency Center for organizations to perform evaluations and test SAP HANA platform scenarios. Organizations can use the lab to test their own applications running on the SUSE Linux Enterprise Server for SAP Applications.

To use the lab, an organization simply opens a support request for SAP HANA (which is sent directly to SAP). At the Hitachi Global Competency Center, the

Hitachi infrastructure for SAP HANA maintains a direct link to the SAP support network to route support tickets to and from SAP seamlessly.

The Hitachi Difference: Decades of Experience with Enterprise-Class Hardware

Hitachi solutions for SAP HANA continue the rich Hitachi history of delivering solutions for mission-critical applications. Hitachi has decades-long experience in designing and manufacturing for mainframe computing, n-tiered ERP applications and today’s solutions that are ushering in the era of cloud and mobile computing. The Hitachi solution for SAP HANA shows the ability of Hitachi to satisfy peak performance demands without compromising high availability, disaster recovery or backup.

Hitachi, SAP and SUSE: A Proven Relationship

Together, Hitachi Data Systems and SUSE deliver solutions that enable organizations to thrive in a big-data economy that requires high availability. For companies with demanding network requirements—including high performance, dependable network uptime and massive storage—Hitachi and SUSE provide a scalable, reliable platform for delivering network services on premises and in private or hybrid cloud environments.



Contact your local SUSE Solutions Provider, or call SUSE at:

1 800 796 3700 U.S./Canada
1 801 861 4500 Worldwide

SUSE
Maxfeldstrasse 5
90409 Nuremberg
Germany