SAP HANA is the next generation of SAP’s in-memory computing technology.
SAP HANA is a multi-purpose, data-source agnostic, in-memory appliance that combines SAP software components optimized on hardware provided, and delivered, by SAP’s leading hardware partners.

In today’s highly-competitive business climate, immediate access to, and analysis of, all operational data ultimately determines the success of an organization.

Organizations demand insight into business operations as – not after – they happen, in order to react quickly to changing market conditions. But the volume of operational data available for business insight often exceeds the amount of data that traditional disk-based systems can process within a reasonable time.

Organizations are not able to provide immediate access to the full volume of data needed, or instead must reduce the data from operational applications and analytic models. The result is inadequate access to the full spectrum of information needed, and unacceptable lag times between gathering data and the insight into that data.

What if a retail organization had the power to analyze purchase orders in real-time to more accurately manage production, and avoid problems such as overstock? How important is it for an apparel manufacturer to know which suppliers are providing the highest-quality, lowest-cost raw materials on-time at that very moment, based upon in-depth analysis? Or the importance for a utility company to combine internal planning metrics with real-time consumption statistics from Smart Meters, integrated with key weather data to ensure business and residential rates are continuously optimized?

Introducing SAP HANA

With the introduction of SAP HANA, what was once just a possibility now becomes a reality. This next generation of SAP’s in-memory technology provides a multi-purpose, in-memory appliance, giving organizations the power to gain instant insight into business operations while enabling them to react quickly to changing business conditions. SAP HANA lets business users immediately access, model and analyze all of their transactional and analytical data in real-time – from virtually any data source – and in a single environment, without affecting existing applications or systems.

Delivered on optimized hardware from HP, SAP HANA realizes the efficient processing and analysis of massive amounts of data by packaging SAP’s intelligent use of in-memory technology, columnar database design, data compression, and massive parallel processing.

SAP HANA provides a flexible, cost-effective, real-time approach for managing large data volumes, allowing organizations to dramatically reduce the hardware and maintenance costs associated with running multiple data warehouses, operational and analytical systems.

SAP HANA will form the future technology foundation for new, innovative applications based on in-memory technology, enabling better performing business applications such as planning, forecasting, operational performance and simulation. The first business application running on SAP HANA is the SAP BusinessObjects Strategic Workforce Planning, version for in-memory computing, a solution developed by SAP that dramatically benefits from high-performance and real-time access to large volumes of transactional information.

The SAP High-Performance Analytic Appliance includes:

- A high performance in-memory computing engine and a powerful data calculation engine.
INTRODUCING THE SAP HIGH-PERFORMANCE ANALYTIC APPLIANCE (HANA)

INNOVATION THROUGH PARTNERSHIP

- Real-time replication service to access and replicate data from SAP ERP.
- Data integration services to access and index information from virtually any data source.
- A data repository to persist views of business information.
- Highly-tuned integration with SAP BusinessObjects BI solutions for insight and analytics.
- SQL and MDX interfaces for third-party application access.
- A unified information modeling and design environment.

Innovation Through Partnership

SAP HANA is another example of how SAP’s unique partner ecosystem approach – being industry-focused and community-powered – delivers orchestrated innovation and breakthrough results for our joint customers.

Emerging business challenges require holistic thinking – across corporate boundaries. SAP works with our partners in a highly-collaborative environment for the benefit of our joint customers. SAP’s partner solutions become part of the “whole” solution for customers where shared interests and goals are realized and new opportunities are revealed.

HP and SAP Working Together for Optimized Solutions

HP and SAP have collaboratively designed and released an optimally configured SAP HANA appliance based on HP x86 servers with pre-loaded software and a full range of services. HP engineers work side-by-side with SAP engineers to develop solutions that are scalable, reliable and sized right for companies using SAP Business Suite and other SAP applications.

At the core of this solution is HP Converged Infrastructure; a ground-breaking approach to infrastructure that converges servers, storage, management software, networking, power and cooling, security, and services to seamlessly and cost-effectively work together.

The SAP HANA solution is introduced on the new HP ProLiant DL580 G7 and DL980 G7 servers. This server selection enables the contiguous use of up to 2TB of memory on a single server, supporting large databases without the complexity of a cluster management solution.

Included in the SAP HANA solution from HP are bundled services to simplify ordering, installation, and to ensure a confident support experience. SAP HANA Fast Start services bring efficient installation and configuration services for the SAP HANA infrastructure and fixed software components. Long-term support is provided with industry-leading service packages and global coverage to meet your needs. What’s more, these services are comprehensive and scalable to grow as your business demands.

Our Business Intelligence consulting professionals serve customers around the world. With five global centers of excellence and more than a decade of consulting experience, HP is a leader in business intelligence consulting.

HP has worked together with SAP for over 20 years, fine-tuning the type of technology combinations that best serve customers. HP has done more than 72,000 SAP installations worldwide and HP infrastructure runs nearly half of all SAP installations in the world. HP is a global leader in SAP operations, supporting 1.7 million users in over 50 countries. HP’s own enterprise IT, which supports over 300,000 employees worldwide, uses SAP for Business Intelligence, ERP and Supply Chain Management.
What SAP HANA Means for You

- **Real-time decision-making** by bringing all the data in your enterprise within the reach of decision-makers in seconds, not weeks or months, in an easy-to-understand and use format so your company can run smarter and faster, and perform better.

- **Enables innovative new applications, combining high-volume transactions with analytics**, to dramatically improve existing planning, forecasting, pricing optimization and other processes.

- **Accelerate business performance while reducing TCO** via less hardware, maintenance, and testing. SAP HANA is based on proven technology which are easy to implement whether delivered on-demand or via appliances.

- **High-performance analytics for SAP ERP** – Access data directly from SAP ERP or combine it with other data sources for real-time analytics and insight into the business.

- **Accelerated business intelligence** – SAP BusinessObjects BI clients are integrated directly on top of the SAP HANA appliance.

- **360-degree view of business operations** – Integrate and model data from virtually any data source for complete real-time insight into the entire business.

- **Next generation in-memory technology foundation** for your current and future SAP BW and SAP ERP deployments, with plans to ensure an easy upgrade from SAP BWA to future versions of SAP HANA.

Getting Started with HANA

SAP HANA will change the way your company does business by enabling real-time insight into business operations as they happen!

Talk with us to discover how SAP HANA will allow your organization to run smarter, run simpler and run bolder.