# System x Solution for SAP Business One with SAP HANA

Tools for business analysis today are evolving quickly. Small and mid-sized organizations need new technologies to leverage critical data in real time or near real time. They need to accelerate decision making and gain insights into key trends as events unfold. The ability to instantly explore, augment and analyze your end-to-end data can help you make better decisions faster—as well as take advantage of favorable market conditions, customer trends, price fluctuations and other factors that impact the bottom line—delivering the competitive edge your business needs.

The System x Solution for SAP Business One with SAP HANA combines the speed of in-memory processing with the ability to analyze massive amounts of data from every aspect of your organization—enabling small and mid-sized companies to eliminate time lag between business events and decisions. SAP Business One version for SAP HANA, and SAP Business One Powered by SAP HANA, delivered on System x3650, x3550 and x3500 servers with Intel Xeon E5 series processors and System x3850 X6 servers with Intel Xeon E7 series processors, help transform the enterprise by addressing current needs while delivering the scalability needed for future growth.

## Real time end-to-end business insights

SAP Business One with SAP HANA can provide instant insight into your operations by supporting rapid creation of ad hoc views across the business. You can analyze all available data regardless of source and respond nimbly to changing business conditions, no matter how sudden. Business users can make better decisions faster with immediate access to relevant information using analytic models which they design and own.

That frees users from reliance on the IT team, and frees IT for value-added company initiatives. You can also give employees on-the-go access to SAP Business One with the mobile app, empowering users to monitor operations anywhere they are to help your company stay agile and widen your competitive edge.

SAP Business One with SAP HANA offers direct access to end-to-end operational data without disrupting the performance of your operational systems. It serves as the analytic foundation for capturing and processing your business transactions in real time with near-zero latency. Organizations will be able to synchronize key transactional tables in memory in near real time,

making these tables readily accessible for analysis with SAP BusinessObjects BI solutions. BI tools, with SAP HANA, let users get to the level of detail they need to make smarter business decisions.

The SAP Business One version for SAP HANA, as well as SAP Business One Powered by SAP HANA running on System x servers, provide a flexible, cost-effective, real time approach for managing data, allowing organizations to dramatically reduce the hardware and maintenance costs typically associated with running separate operational and analytics systems. Either solution works within your IT environment with your choice of data types and sources. You can start today with SAP Business One with SAP HANA, and achieve a faster time to value than you could hope to have if you spent resources to develop a data warehouse that might not ultimately fit your organization's needs.

The analytics with SAP HANA run behind the scenes of SAP Business One, a single integrated business management application for small businesses that supports all core business functions across your entire company. This means all of the transactional and operational information within your SAP Business One application is available for instant insight:

- Analyze your business as it exists right now—not as it existed when you did your custom data extract, which was the case with previous generations of analytics and reporting technology.
- Allow users at all levels to make better decisions faster with real time information access—and the ability to explore and investigate more information before making those decisions.
- Run simulations or "what-if" scenarios instantly, as well as access fast-running reports and dashboards that leverage the SAP HANA database.
- Access all your data in SAP Business One with freestyle enterprise search and query large amounts of data instantly.

- Utilize broader and deeper operational information for more accurate insight.
- Help increase productivity by putting users in control of information.

Employees can also use the Microsoft Excel interface to explore and report on data to create and run ad hoc reports without IT assistance—all from within SAP Business One. You benefit from empowered employees, lower operational and IT costs, greater productivity and faster information processing.

With a simplified landscape having fewer layers, Business One with SAP HANA forms the technology foundation for new, innovative analytic applications—such as planning, forecasting, operational performance, and simulation solutions—a business users to make informed decisions. Your company can focus on innovation with a clearer, faster understanding of what is working and what your market wants.

Delivered on System x servers which provide the ultimate balance of uptime, performance, density and cost efficiency, both SAP Business One with SAP HANA and SAP Business One Powered by SAP HANA efficiently process and analyze massive amounts of data. They accomplish this by packaging SAP's use of in-memory technology, columnar database design, data compression and massive parallel processing together with essential tools and functionality such as data replication and analytic modeling.

## Speed in-memory processing

Depending on your datacenter needs, you have the flexibility to choose either the 2U rack optimized System x3650, 1U System x3550, or the more scalable System x3500 tower server. The System x3850 X6 offers expanded memory capacity for large implementations. The System x servers have Integrated Management Module 2 (IMM2) and Unified Extensible Firmware Interface (UEFI) BIOS, to give a consistent system level code stack for superior setup, configuration,

and ease of use. Optional remote control features provide the ability to manage, monitor and troubleshoot from anywhere. Powerful and easy-to-use tools can help you manage both physical and virtual resources with:

- Resilient architecture ideal for business-critical applications such as SAP Business One with SAP HANA or SAP Business One Powered by SAP HANA.
- Predictive failure analysis and light path diagnostics for advanced warning on power supplies, fans, VRMs, disks, processors and memory.
- Redundant, hot-swap components to keep your system up and running.

**The System x3650** blends outstanding uptime, performance and I/O flexibility for cost efficiency and rock-solid reliability making it an excellent platform for your SAP Business One applications. This powerful server offers an energy-smart, affordable, and easy-to-use rack solution with a pay-as-you-grow design to help lower costs and manage risks. The x3650 offers more computing power per watt, the latest Intel Xeon E5 series processors, advanced memory support, and greater disk capacity for businesses requiring extreme storage.

**The System x3550** is rack optimized server designed for clients' business challenges and offers the ultimate balance of uptime, performance, density and cost efficiency for demanding workloads, in a 1U rack package. The x3550 includes significantly more memory capacity than previous models and new on demand features to help keep costs low, and is equipped with up to two Intel Xeon E5 series processors.

## Scale up and protect investment

**The System x3500** is a high-performance dual-socket tower server which provides the scalability, reliable performance and optimized efficiency for SAP Business One with SAP HANA—or with SAP Business One Powered by SAP HANA. Equipped with up to two Intel Xeon E5 series processors, the System x3500 supports the latest Intel micro-architecture, delivering intelligent performance enhancements that adapt to your workload environment.

The x3500 tower server provides large storage capacity without the cost of external devices. A flexible design and consolidated server help optimize intensive workloads and provide greater utilization, making the x3500 a great choice for small and mid-sized businesses. Start with the basics and upgrade as your business changes without jeopardizing existing investments. The x3500 is a tower server also comes with an optional rack conversion kit designed for clients that need a larger capacity system for more disk capacity or IO slots. It includes more memory capacity and new value on demand features to allow clients to add new features or keep their costs low.

**The System x3850 X6** offers enables large SAP HANA memory configurations with support for up to four Intel Xeon E7 series processors, up to 96 memory DIMMs for large memory configurations and integrated resiliency features needed for business critical applications such as SAP HANA. It blends outstanding uptime, performance and I/O flexibility along with rock-solid reliability making it an excellent platform for your SAP Business One applications.

With a unique combination of expertise, experience and proven methodologies—and a history of shared innovation—System x servers can help strengthen and optimize your information infrastructure to support your SAP applications. System x and SAP have worked together for over 16 years to deliver innovation to their shared customers.

SAP Business One with SAP HANA—as well as SAP Business One Powered by SAP HANA—running on System x3850, x3650, x3550 and x3500 servers provide a real time, in-memory analytics platform that empowers small business to accelerate access to their operational and strategic information.

They offer a simplified, simple to manage IT landscape that provides immediate access to analytics is critical to small business, where speed and agility are advantages. Now you can have a powerful, scalable business analytics solution that runs effortlessly with your SAP Business One application. Choose the System x Solution for SAP Business One with SAP HANA, or SAP Business One Powered by SAP HANA, for your business.

## Why System x

System x is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. System x also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

## For more information

To learn more about the System x solution for SAP Business One, with SAP HANA, please contact your Lenovo representative or Business Partner or visit **lenovo.com**/thinkserver

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