SAP HANA on IBM Power Systems

A combined offering that supports greater speed, better data management, openness and innovation

Highlights

- Customers can now take advantage of IBM Power System's built-in price and performance benefits to run SAP HANA appliances
- Power Systems users can now start taking advantage of SAP HANA applications without having to implement a separate technology platform
- SAP HANA on POWER gives users faster data access, supporting advanced analytics operations, while also creating the potential for greater openness and innovation

Today's business world is filled with new challenges and new opportunities around data management, and organizations are looking for new solutions to help them overcome those challenges and take advantage of those opportunities. IBM® Power Systems® offerings are uniquely positioned to be among those solutions, as they are specifically designed to capture and manage data from a variety of structured and unstructured sources, and then put that data to work in different big data and analytics functions.

Another thing that has always set Power Systems apart from other technologies is their open design and collaborative environment. Over the years, Power Systems have brought out the best in the ISV community, as many different companies have chosen to pair their offerings with Power Systems in order to take advantage of the inherent price and performance benefits.

Now, that tradition continues, as IBM and SAP—two longtime collaborative partners—are combining to offer their customers the ability to run SAP HANA on IBM Power Systems. SAP HANA on Power represents a smarter way to run an in-memory database, as Power Systems provide a faster and more powerful infrastructure than x86, helping customers to further capitalize on the natural benefits they already get from SAP HANA.

In addition, the combined offering will not be offered as a single appliance. Instead, it will run on POWER8 servers, allowing customers to integrate the solution into their existing environments. SAP HANA on Power will be specifically positioned to support mission-critical 7x24 operations for large enterprises by providing the highest reliability, availability, and serviceability on the market, as well as on-demand capacity to meet the constantly changing needs of enterprise organizations.

Benefits for customers across the board

The new offering is an exciting one for both SAP customers and IBM customers: existing Power Systems users will now be able to take advantage of the speed and agility of SAP HANA. As an in-memory database, HANA allows customers to access and analyze important business data in real time—without having to worry about running SAP workloads on separate platforms. Power Systems users can also feel confident that with SAP's focus on SAP HANA for both current and future products, they will be well positioned to use and benefit from those applications, in close alignment with the SAP roadmap.

SAP HANA customers currently using or trialing other hardware platforms are now free to make the switch to IBM Power Systems, without having to worry about how the move will affect their SAP HANA applications and workloads. This opens up a whole new set of potential benefits for these customers, including the ability to spark new innovation with the increased performance, reliability and scalability of the recently announced POWER8 platform.

In addition, the SAP HANA on Power Solution Edition offerings are designed to help customers get up and running as quickly as possible. Three base configurations will allow SAP HANA customers to quickly optimize and deploy a HANA on Power server, with the ability to run additional virtualized workloads and add capacity on demand.

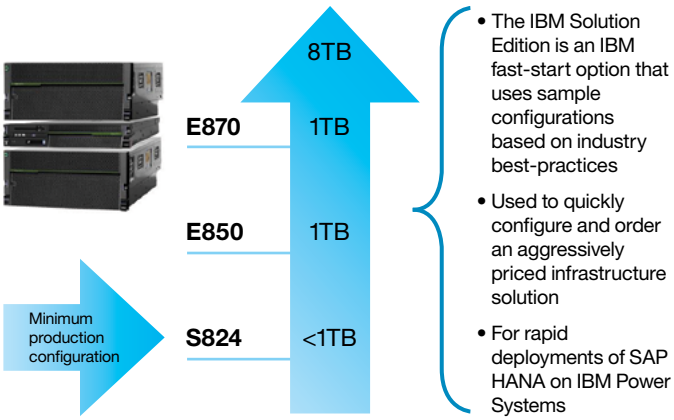

Figure 1: Introducing IBM Solution Edition for SAP HANA

The thousands of global organizations relying on Power for non-HANA SAP workloads will be able to leverage their existing processes and procedures, in areas like high availability, disaster recovery, and backups. This means that in most cases, there will be no need to create new procedures or train employees in new skill sets. As a result, customers will be able to start seeing the benefits of SAP HANA on Power with very little time investment.

This new platform continues the Power Systems tradition of offering industry-leading technology capabilities.

Memory: Large, fast workspace to maximize business insight
Power Systems offers 4X memory bandwidth versus Intel
(up to 16TB of memory)

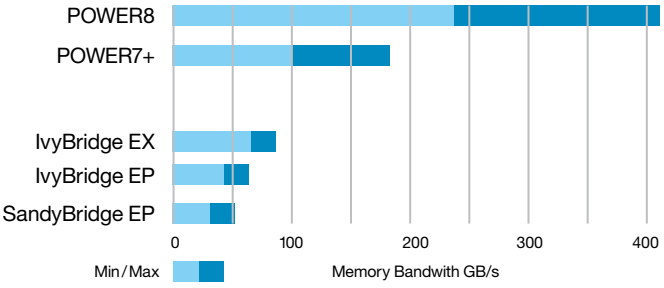

Table 1: The faster memory bandwidth offered by Power Systems is ideal for in-memory applications like SAP HANA.

IBM Power Systems deliver unparalleled performance for big data applications like SAP HANA. As a result, businesses that make the move to SAP HANA on Power will be better positioned to meet their current needs around data management, while also lowering operating costs. In addition, Power Systems also offer the scalability they need for future growth.

Dedication to openness and flexibility

In addition to offering faster access to data and better analytics results, the SAP HANA on Power Systems offering is also the latest in a long list of announcements that underscore IBM's dedication to making Power Systems an open innovation platform. Like all Power Systems technology configurations, SAP HANA on Power implementations will be able to take full advantage of industry-standard Linux operating systems, helping businesses try new things and deliver greater value to their customers.

Power Systems offer the simplicity and power of virtualization out of the box. With the PowerVM solution, organizations are able to pursue the benefits of virtualization with a lower layer overhead, fewer cores, fewer footprints, and lower operating costs.

With Linux on Power, SAP HANA users can leverage an open platform for innovation and community collaboration, while also taking advantage of the built-in security and superior cloud economics of Power Systems. As a result, organizations can get everything they need to transform themselves into innovative, data-driven businesses.

For more information

To learn more about SAP HANA on IBM Power Systems, please contact your IBM marketing representative or IBM Business Partner, or visit **ibm-sap.com**/hana

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