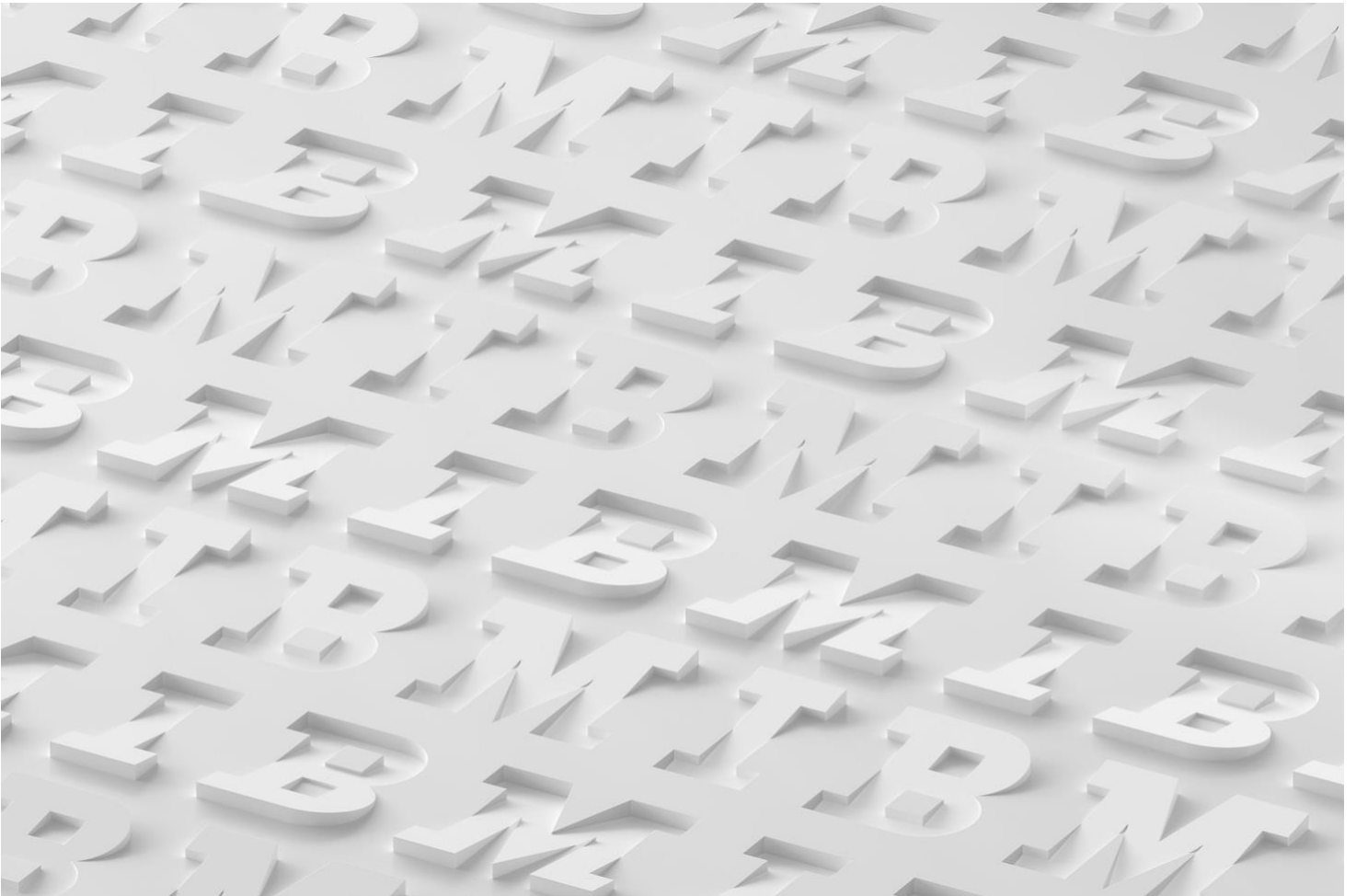


Achieving the Highest Possible Performance with Red Hat Enterprise Linux on IBM Power

Printus upgrades to IBM Power10 to support future SAP S/4HANA migration





Founded in 1977, [Printus GmbH](#) provides mail-order services in Germany for a wide range of office supplies, including media and communication items as well as consumer electronics. With Printus, clients can conveniently order their office supplies online around the clock, with expedited shipping and handling guaranteed. Over four million customers appreciate the reliable service and product quality at attractive prices that Printus offers. Running its operations on [IBM® Power®](#) for many years, Printus has maintained its commitment to their clients.

With client satisfaction a top priority, Printus sought to advance its services, implementing new and innovative technology. Additionally, Printus looked to upgrade its technological infrastructure, as it previously operated its SAP core applications on two IBM Power E870 servers with [IBM SVC](#) and [IBM FlashSystem® 5000 and V9000](#). Printus engaged IBM Business Partner [SVA](#) to consult on the infrastructure renewal, expressing the desire to achieve the highest possible performance, maintain scalability, and increase the availability of its business-critical operations.

Solution

To maintain its standard of customer service and client satisfaction, Printus upgraded its IT infrastructure from Power8 to the latest Power10 processor-based systems, implementing two [IBM Power E1080](#) servers with 96 cores and 6 TB of memory. Along with the new hardware, Printus will also adopt [IBM PowerVC](#) for simplified virtualization management and cloud deployments for its [IBM® AIX®](#) and [Red Hat® Enterprise Linux®](#) environments running business-critical SAP, especially Warehouse Management System on Db2 and WebSphere Application Server, and data warehouse running on Oracle. With PowerVC, teams can see all these environments and systems from a single dashboard across on-prem and cloud and can control resources and balance workloads as needed. Printus also upgraded its storage, implementing [IBM Storage FlashSystem 7300](#) and a tape library refresh with 10 LTO tape drives, further accelerating performance of the new environment by lowering data latency and increasing scalability.

With support for its Power8 processor-based environment coming to an end, Printus avoided expensive maintenance extension costs by collaborating closely with IBM and SVA to conduct a quick and seamless migration to Power10. Preparation sessions were held to perform sizing and performance measuring, ensuring the environment was right-sized for not only current operations and workloads, but to also scale to support future growth of the business. Printus welcomed new technologies and innovations, such as NPIV for Fibre Channel connections, vNICs delivering better network performance, Power Enterprise Pools 1.0 for flexibility to move mobile activations to alternative servers within the pool. Most critically, Printus is now equipped with a platform and IT infrastructure built to support its future migration to SAP S/4HANA.

Benefits

Printus upheld its intent to evolve and continue improving everyday office life with their products and services. The company can continue extending its capacity and migration toward SAP S/4HANA, saving in capital investment and energy costs. Printus was able to get started on the project quickly with fast startup times on Power and easy migration to the new Power10 processor-based servers using Live Partition Mobility. With Live Partition Mobility, teams were able to upgrade the environment while still maintaining availability and avoiding any planned downtime, keeping business and operations going during the transition. Additionally, increased security features have allowed Printus to maintain its competitive positioning, guaranteeing safe and secure shipping methods to ensure their clients receive orders on time and accurately no matter what. Teams at Printus will benefit from easier administration of the environment by implementing PowerVC. In addition, the Utility Capacity on Demand (CoD) function supports Printus with unpredictable, short workload increases that need an automated and affordable way to help assure that adequate server resources are available as needed. Printus has also shown higher availability and reliability to maintain their high standard of customer service all while embracing sustainability and Green IT by reducing energy consumption and carbon footprint from IT infrastructure.

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