



## HPE migration off IBM Power to HPE Superdome X boosts SAP performance at Duas Rodas

Flavor developer drives digital transformation, doubles application speed

### Objective

Adopt an open architecture for mission-critical SAP environment and enable smooth migration to SAP HANA

### Approach

Migrate SAP environment and DB2 database from IBM Power System to open, mission-critical SAP HANA-certified HPE Integrity Superdome X platform

### IT Matters

- 2X performance gain for SAP applications
- 2.8:1 data reduction, improving database efficiency
- Provides seamless path to adopt SAP HANA and accelerate big data analytics

### Business Matters

- Enables greater innovation with access to broader technology options
- Supports business strategy of digital transformation for greater agility and competitiveness
- Lowers total cost of ownership



With facilities across Latin America and the world, flavor developer Duas Rodas outgrew its IBM Power System. The company partnered with HPE Pointnext for **RISC migration services** to move its critical SAP® environment to **HPE Integrity Superdome X**, doubling application performance while gaining a powerful, open platform for digital transformation.

For more than nine decades, Brazilian manufacturer Duas Rodas has been a leading innovator in developing and producing flavors and aromas for the food and beverage industry. To paraphrase a Portuguese expression, they are like a “young old” person—they combine the wisdom of experience with the drive of youth.

This spirit has led to strong and steady business growth, placing a lot of pressure on the IT team to deploy solutions that improve efficiency, reduce costs, and enhance productivity. Much of this effort rides on a mission-critical SAP environment, which runs everything from procurement and manufacturing to customer relationship management and finance.

For many years the SAP applications ran on an IBM Power 770 server. However, Duas Rodas needed to update the SAP environment to enable greater automation in the production process, and eventually adopt SAP HANA® for its big data analytics capabilities. The problem was the legacy



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– Ivan Momm, IT Team Leader, Duas Rodas

Power System was not certified for SAP HANA. Moreover, upgrading IBM Power was not only too costly for the company, it also locked IT into a proprietary architecture.

With its global business expansion plans requiring a more flexible IT platform certified for SAP HANA, Duas Rodas explored solutions from a number of vendors, but ultimately chose HPE. As a market leader in providing solutions for SAP HANA, HPE brought the insights and experience in SAP HANA that gave Duas Rodas confidence to make this highly critical decision.

Rafael Dall’Anese de Campos, information technology manager at Duas Rodas, explains, “In analyzing potential platforms for our new SAP environment, HPE Superdome X with HPE 3PAR all-flash storage proved to be the best infrastructure to meet our current and future needs. HPE Superdome X provides the performance and reliability we need for mission-critical SAP applications, and it’s certified for SAP HANA so we can easily take that next step when we’re ready.”

Ivan Momm, IT team leader with Duas Rodas, adds, “One of the most important factors in choosing HPE Superdome X was that it allows us to move to an open architecture, which gives us much more flexibility to adapt our technology choices in the future based on the changing needs of the business.”

#### **HPE Pointnext ensures smooth x86 server migration**

For the Duas Rodas IT team, moving to industry-standard HPE Superdome X was a big change from the proprietary IBM Power architecture. Naturally, the team had concerns about migrating its mission-critical SAP environment, but Dall’Anese says that HPE put their minds at ease. “HPE showed they were a true partner willing to face the migration challenges with us to ensure we achieved our goals.”

Engaging **HPE Pointnext** was central to ensuring a successful migration. Leveraging the Platform Migration Services from HPE Pointnext, Duas Rodas migrated its SAP R/3 environment and IBM DB2 database from the legacy IBM Power 770 server to HPE Superdome X in less than eight months using SAP migration tools.

“It’s normal to expect problems with such as large, complex migration,” Momm acknowledges. “But the project went very well from beginning to end, with almost no problems—nothing that impacted our go-live. The technician from HPE Pointnext was highly skilled.”

He adds, “HPE Pointnext provided best practices for running our SAP environment on the HPE infrastructure, including how to configure the storage, specify replications, and employ methodologies to optimize backup and recovery.”



## Customer at a glance

### Solution

SAP R/3 enterprise resource planning with migration path to SAP HANA

### Hardware

- HPE Integrity Superdome X
- Intel® Xeon® Processor E7 Family
- HPE 3PAR StoreServ 8400 Storage

### HPE Pointnext services

- HPE Platform Migration Services
- HPE Foundation Care

### Software

- HPE Peer Persistence Quorum Witness
- SAP R/3
- SUSE Linux
- VMware
- IBM DB2

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### Complete solution for SAP business applications

Today, Duas Rodas runs its entire SAP R/3 environment and the DB2 database on HPE Superdome X in a SUSE Linux® operating environment with **VMware® virtualization**. The company deployed one HPE Superdome X with four BL920s server blades in its primary data center to run production SAP R/3. Applications are delivered to end users through Citrix® XenApp.

A second HPE Superdome X is deployed at a remote site for disaster recovery (DR), configured with five BL920s server blades in warm standby to run SAP in the event of a disaster. The complete HPE solution also includes HPE 3PAR StoreServ 8400 Storage configured with all flash—one array in the production data center and another at the DR site. Duas Rodas also takes advantage of HPE 3PAR Peer Persistence software, which allows the two HPE 3PAR systems to act as peers to each other, presenting a nearly continuous storage system to hosts and servers connected to them. This provides Duas Rodas with a highly available, always-on storage solution that can withstand failure of an entire array without any impact to its mission-critical applications.

In addition, HPE Pointnext provides added value with ongoing IT operational services through HPE Proactive Care.

“The support we get from HPE Proactive Care is excellent,” Momm notes. “Whenever we have questions or need guidance, it is very fast and easy to get the answers we need from the HPE Pointnext team.”

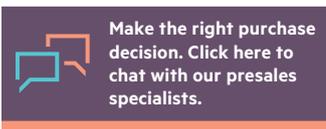
### Open architecture opens new opportunities

With HPE Superdome X, Duas Rodas now has a highly available infrastructure, essential for its mission-critical operations. Performance is also key: Since moving to the HPE infrastructure, SAP applications now perform two times faster than on the legacy IBM Power platform. In addition, the company also reduced its IT infrastructure footprint by two full racks, saving valuable data center floorspace, as well as power and cooling. And with the all-flash **HPE 3PAR arrays**, Duas Rodas increased storage capacity substantially while improving efficiency with overall data reduction of 2.8:1.

Perhaps most important, the HPE Superdome X brought Duas Rodas an open environment making it easier to adopt new technologies and spur innovation. It will also lower total cost of ownership and provide a seamless pathway to SAP HANA, which is on the company’s near-term roadmap.

Dall’Anese concludes, “We’ve had to take several steps to grow and modernize our IT infrastructure in preparation for a planned move to SAP HANA. With the HPE infrastructure in place, we’re confident that we are now ready to move ahead with our digital transformation. A couple of years ago, we had concerns whether our infrastructure could take us where we wanted to go. This is no longer a concern.”

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