



Discover How Marfrig Achieved a Zero Downtime Data Center Migration with Complete Infrastructure Modernization

Overview

Marfrig, one of the world's largest beef protein producers, needed to relocate its operational systems from an aging data center in São Paulo to a modern site in Santana de Parnaíba. The company also planned a technology refresh to replace outdated servers with newer equipment. As these systems support operations across 12 units, four distribution centers and corporate teams, Marfrig required a migration strategy that would maintain full availability of critical services. With a carefully structured approach, Marfrig successfully executed the relocation and modernization of its data center while preserving continuous operations.

Challenges

Marfrig needed to move a large and complex environment that supported thousands of employees and critical processes across multiple locations. Several systems operated continuously, which made downtime unacceptable. The addition of a technology refresh increased the complexity of the migration and required precise planning. The company needed a structured method that would protect system performance, maintain data integrity and coordinate the involvement of multiple technology, security and business teams.

AT A GLANCE

CHALLENGES

- Critical systems operating across multiple sites
- Need for a comprehensive migration without service interruption
- Technology refresh required during relocation
- Coordination needed across business and IT teams

SOLUTIONS

- Assessment of infrastructure requirements for both data centers
- Definition of physical and logical interfaces and migration configuration
- Detailed scheduling and sequencing of all migration activities
- Alignment workshops with technology, systems, security and business teams

RESULTS

- Zero downtime during the two-wave migration
- Migration completed in three months
- Consolidated environment with reduced rack footprint
- Improved performance for key business applications

BENEFITS

- Seamless relocation with uninterrupted 24x7 operations
- Modernized infrastructure that supports faster processing
- More efficient and optimized data center footprint
- Enhanced operational stability across the environment



Solutions

The project began with an assessment phase to define the infrastructure requirements for both data centers. This included mapping the physical and logical interfaces and developing the configuration that would support the migration. A detailed schedule guided each step, including removal, transportation, reinstallation and data transfer. Alignment sessions were carried out with the technology, systems, security and business teams to ensure all dependencies and sequencing were clear. Throughout both migration waves, the Black Box team worked closely with Marfrig to maintain stability, support security requirements and complete the transition safely and efficiently.

Results

The two-wave data center relocation was completed with no interruption to ongoing operations. All critical systems remained available, and essential activities such as distribution center operations continued without disruption. The modernized environment reduced the rack footprint significantly and improved processing performance. Key applications, including ERP functions, operated more efficiently after the migration due to the updated infrastructure.

Why Black Box?

This transformation highlights why enterprises depend on Black Box to support complex data center migration and modernization initiatives. The structured methodology, careful planning, and coordinated execution ensured a safe and efficient relocation while maintaining complete operational continuity. With experience in large scale infrastructure projects and a focus on stability and risk mitigation, Black Box enabled Marfrig to migrate and upgrade its environment without impacting live operations.

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