# LINBIT

# LINBIT SDS Triples Operations for RTM in the Financial Sector

## rtm

## Background

RTM (Rede de Telecomunicações do Mercado/Telecom Network of the Financial Market) manages two key networks for the financial sector: Financial Net (launched in 1997 for the private sector) and the RSFN/National Financial System Network (connecting public services from the central bank and clearinghouses to all financial institutions in Brazil).

Currently, RTM provides technological services to financial institutions in Brazil across three main areas: Telecom, Cloud Computing/IT, and Digital Services/SaaS solutions. The company has 240 direct employees across 2 offices in the major hubs for the financial market in Brazil: São Paulo and Rio de Janeiro.
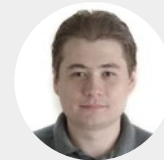
## Business Challenge

RTM provides a private cloud computing solution called RTM Cloud Services (RCS), hosted in its own data centers and connected to the RSFN and Financial NET private networks.

The company offers a wide range of IaaS and PaaS solutions, using Broadcom VMWare, Red Hat OpenStack and Openshift. Most of its customers use this infrastructure for payment processing (PIX), fund management with the central bank (STR), and regulatory services.

To support these services, a high-performance, fault-tolerant storage solution is essential. RTM tested two other solutions and chose LINSTOR for its simplicity, excellent performance, and high level support.

> We sought a distributed, software-defined storage solution that offered scalability, high performance, and freedom from hardware vendor lock-in. Our operations have tripled since implementing LINSTOR.

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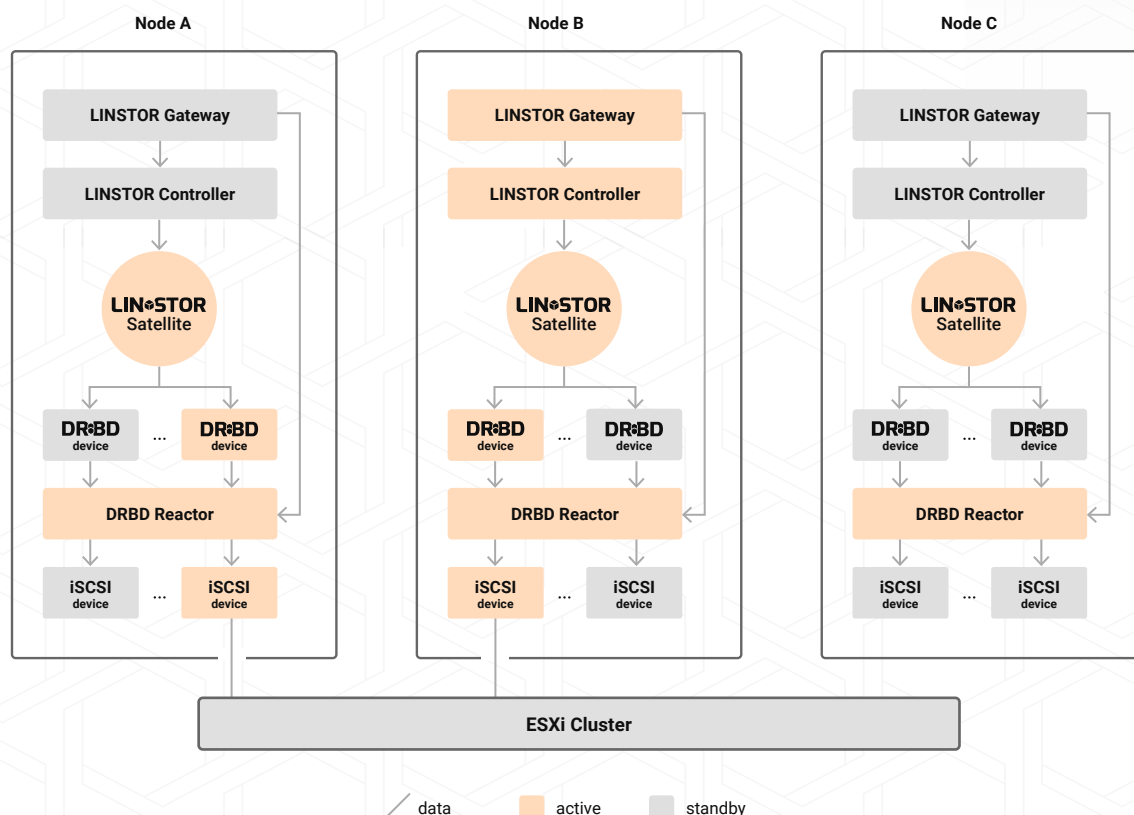
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## Solution

LINSTOR serves as the storage solution for RTM's VMware environment, spanning 3 distinct clusters across 2 datacenters. By utilizing standard servers equipped with SSD and NVMe disks, LINSTOR has simplified operations, delivering a 70% reduction in storage cost per GB and a 4x increase in IOPS.

In addition, RTM can now increase the cluster using standard servers. It has clusters supported by different hardware providers, offering flexibility during the purchasing process.

With LINBIT's support, RTM now has three times the amount of business than it had before, benefiting from a reliable solution that delivers the performance and availability that is essential to its operations.

## The Benefits

- **Improved Performance**
  Reduced latency by over 50% and achieved horizontal scaling through natural distribution, resulting in a 4x improvement in IOPS. RTM's cluster now delivers 12-15x more IOPS.

- **Cost Effective**
  80% reduction in cost/TB has allowed RTM to offer more competitive pricing to its customers.

- **Simple to Use**
  Simple to install and maintain, a simple recovery process, with excellent support and performance at a reduction in cost.