



# Rocket® Data Replicate and Sync

A Seamless Bridge Between Mainframe  
and Modern Data Systems



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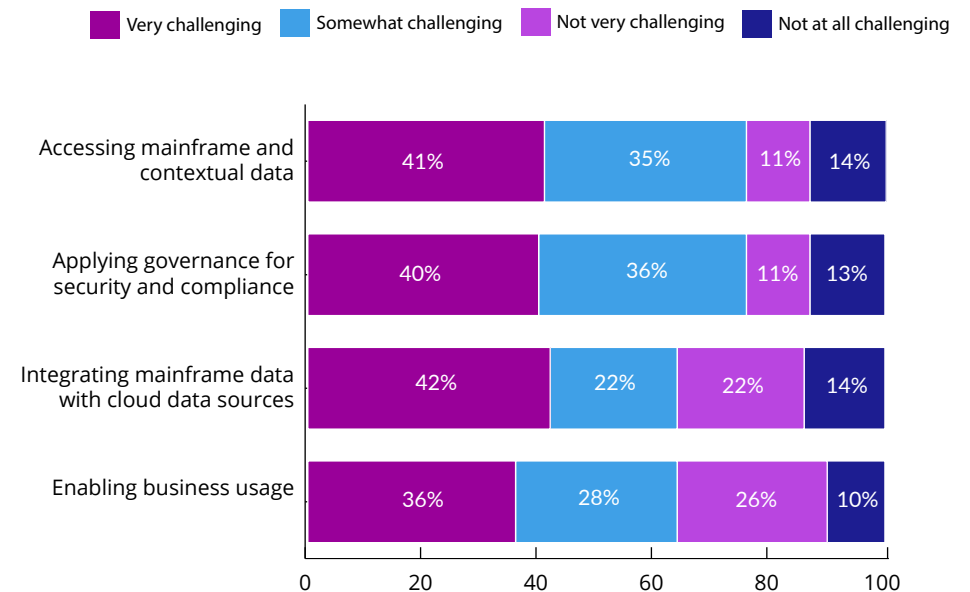


# Unlocking Innovative Potential with Mainframe Data

Mainframes store a wealth of valuable data that can drive innovation through advanced analytics, AI, and application modernization. However, accessing this data isn't easy. Technical debt, complex data formats, and geographic discrepancies can get in the way. Yet with a solid strategy that balances coexistence, analytics/BI, migration, and software modernization, you can overcome these obstacles. Your business's future lies within the mainframe — unlock it.

Rocket® Data Replicate and Sync provides real-time, high-performance data replication and synchronization across various platforms, from on-premises mainframes to the cloud. This seamless integration bridges the gap between traditional and modern systems, making data integration easy. With Rocket Data Replicate and Sync, you can continue to conduct transactions on your mainframe while instantly replicating that data to your cloud data stores.

## How challenging do data leaders find it to leverage the value of their mainframe data?



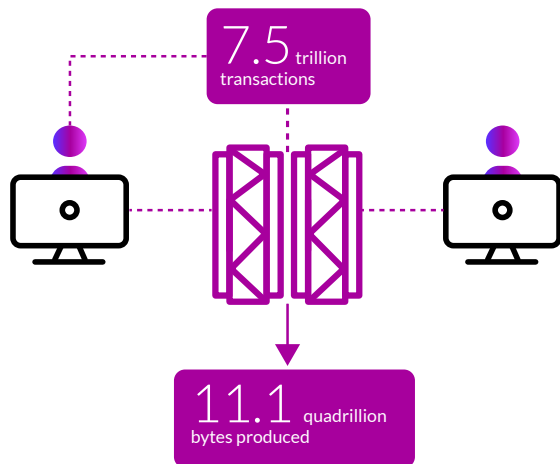
"The Role of AI and Mainframe Data in Enterprise Analytics" survey conducted by Foundry, May 2024



# Coexisting in complex IT environments

The rapid growth of data systems has resulted in data being housed in complex, heterogeneous environments. Ensuring real-time data synchronization within a hybrid IT infrastructure — including IBM zSystems® mainframes, distributed systems, and the cloud — is essential for minimizing business disruptions and powering data-driven decisions.

Rocket Data Replicate and Sync simplifies data management. It uses bidirectional replication to keep information current across platforms, streamlining processes for data administrators and helping organizations meet SLAs for data-dependent workloads.



Post-acquisition, the company faced the challenge of managing enormous data volumes —7.5 trillion transactions producing 11.1 quadrillion bytes — spread across an IBM mainframe running z/OS®, z/VM, and z/Linux, as well as workstations on Linux, UNIX, and Windows.

## Successful data synchronization with many moving parts

A European service provider leveraged Rocket Data Replicate and Sync to ensure data integrity across a complex infrastructure following a major acquisition.

To tackle this, they implemented bidirectional replication to ensure real-time data synchronization across their diverse platforms. This setup not only reduced data exchange volumes and transmission costs but also operated efficiently, consuming only a few MIPS of CPU. The system's ability to perform without needing external tools made it both swift and user-friendly.

As a result, with Rocket Data Replicate and Sync, the provider could effectively handle massive data volumes while meeting strict SLAs for managing trillions of financial operations on a daily basis.



# Improving Analytics and BI Efficiency

Analytic workloads and business intelligence applications require vast datasets to generate valuable insights. Traditionally, IT handled these data needs by performing batch copies from the mainframe, essentially creating data dumps. However, the rising frequency of data requests has made this method too costly.

Rocket Data Replicate and Sync addresses this issue through real-time, bidirectional data replication and synchronization. This solution seamlessly brings mainframe data into any platform hosting your analytics and BI initiatives, cutting costs and streamlining the data consumption process.

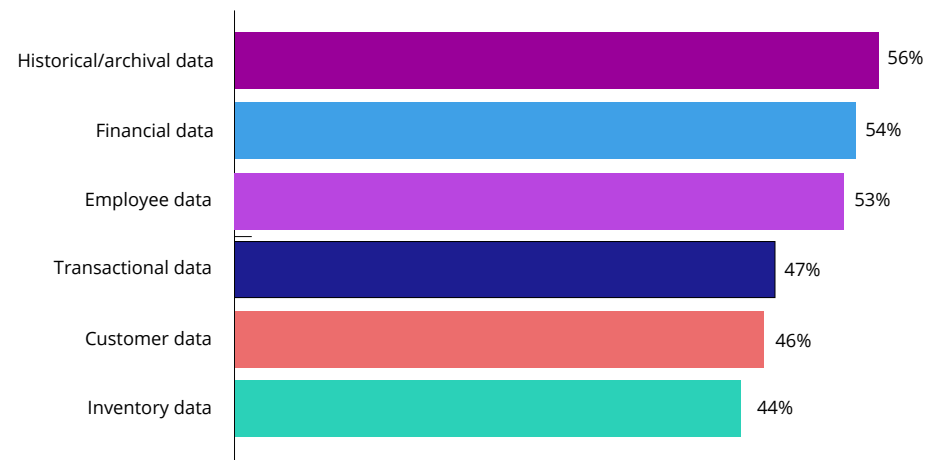
## Real-time analytics at a fraction of the cost

An Austrian bank with over 1.5 million customers, enhanced its operations using Rocket Data Replicate and Sync. This solution not only cut mainframe costs but also enabled real-time analytics, which would have been prohibitively expensive to implement on-premises.

The bank originally stored its business data in Db2® databases. But as online, mobile, and self-service transactions increased, so did the associated costs. To handle this growth, the bank utilized Rocket Data Replicate and Sync to offload data from its core database system to Apache Hadoop, a more affordable storage alternative.

## What mainframe data is most valuable?

Main data types businesses want to leverage



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By replicating data to Hadoop, the bank could leverage new technologies that were not available on the mainframe. This allowed them to handle real-time events, analytics, and fraud prevention with the replicated data. They were also able to analyze both structured and unstructured data for deeper insights.



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# Migrating Mainframe Data with Minimal Disruption

Migrating mainframe applications and data to the cloud involves significant risks and costs, even with solid strategic and financial reasons. To minimize the chance of failure, adopting a gradual migration approach is crucial.

Rocket Data Replicate and Sync allows for bidirectional synchronization between the source data and the target environment, ensuring data consistency during migration. This method helps minimize disruptions to business operations that rely on this data, allowing IT teams to focus on necessary application adjustments.

## **Guaranteed business continuity during platform migration**

An IT service provider used Rocket Data Replicate and Sync to migrate some of its mainframe applications without disrupting existing business operations.

The goal was to move mainframe applications to client/service platforms, eventually retiring the ADABAS databases. During the migration, both the mainframe with ADABAS and an open system with Oracle databases needed to operate simultaneously.

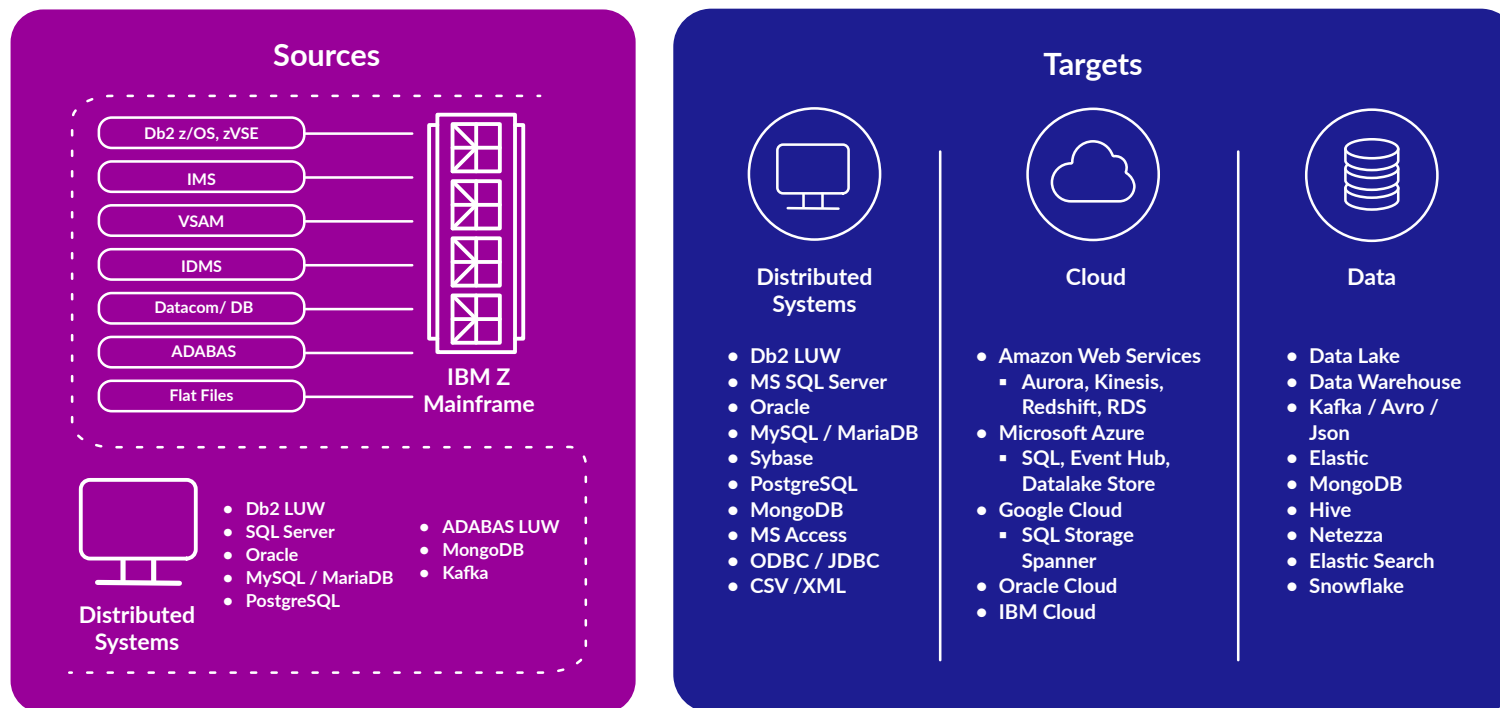
To achieve this, the provider implemented Rocket Data Replicate and Sync to replicate mainframe data changes in real-time to a mirrored Oracle database. Bidirectional synchronization enabled the “operate both worlds” model required for a smooth migration, ensuring continuity of operations.

This approach significantly reduced mainframe overhead costs. The mainframe only performed change capture from the ADABAS command log, while the target platform handled all data processing. Plus, the migration process required no programming effort, eliminating the need for specialized skills.



# Unlock Mainframe Data with Rocket Software

Rocket Software empowers enterprises worldwide to unlock core system data on legacy platforms like mainframes, driving innovation and business optimization. Rocket Data Replicate and Sync is a user-friendly, secure, and highly scalable data integration solution that supports the broadest array of mainframe data sources.



Getting started is easy. Simply [request a live demo](#) to see how Rocket Data Replicate and Sync streamlines data integration between your preferred source data and target environment.



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With Rocket Data Replicate and Sync, your business can benefit from:

### **Effortless integration of mainframe data to the cloud**

- Easily integrate data from mainframes, distributed systems, and the cloud, regardless of the source or destination.
- Automatically adapt data to fit target systems, ensuring simplified integration and consistency.
- Automate replication to enhance efficiency, minimize errors, and deliver low-latency performance.
- Maintain data consistency and integrity through robust transformation and conversion capabilities.

### **Advanced real-time, bi-directional replication and synchronization technology**

- Enable real-time data replication and synchronization across diverse sources and targets, supporting both unidirectional and bidirectional data flows.

### **Reliable, efficient, and high-performing solution with low-latency and low MIPS cost**

- Eliminate the need for costly custom data solutions, reduce transfer volumes, and transition to cost-efficient platforms without programming effort.

- Ensure comprehensive monitoring and logging of data movement with an intuitive user interface, providing transparency and efficiency.
- Capture changes in data as they occur, minimizing latency and ensuring up-to-date information.

### **Seamless integration with any analytic engine or hyperscale cloud to avoid vendor lock-in**

- Minimize reliance on specific providers by enabling data access and migration to any target environment and solution set.
- Ensure data security through encryption and secure connectivity.

[Speak with an expert](#) to learn more about how Rocket Software bridges the gap between mainframe and modern data systems.

[Learn more](#)





# About Rocket Software

Rocket Software is the global technology leader in modernization and partner of choice that empowers the world's leading businesses on their modernization journeys, spanning core systems to the cloud. Trusted by over 12,500 customers and 750 partners, and with more than 3,000 global employees, Rocket Software enables customers to maximize their data, applications, and infrastructure to deliver critical services that power our modern world. Rocket Software is a privately held U.S. corporation headquartered in the Boston area with centers of excellence strategically located around the world. Rocket Software is a portfolio company of Bain Capital Private Equity. Follow Rocket Software on [LinkedIn](#) and [X](#).



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