

CUSTOMER SUCCESS

MyO unleashes Db2® for IBM® i data, providing real-time access across the entire sales force

Real-time data for 300+ sales agents' iPads working with Couchbase Mobile, offloading data from IBM i (AS/400) & MySQL to MS SQL Server, all from one single control plane



MOLO17 has become an essential partner for us, able not only to provide us exceptional future-proof technologies but also able to guide us through all the challenges our company had in data management

Fabio Pinto, Director IT Services at MyO

Databases involved

MS SQL Server 2016 & 2022
Couchbase Server 7.6
Db2 for IBM i 7.5
MySQL 8.4

Features

Real-time sync with Couchbase & MS SQL Server
Data transformation
IBM i offloading

Volumes

8M transactions /hour

Italian office solutions provider MyO S.p.A. wanted to streamline sales force access to its vast range of office products and services by implementing a new NoSQL database that would serve as a highly responsive front end for enterprise-wide data needs.



The company

MyO is recognized for its comprehensive workplace solutions, delivering products and services from office supplies to safety gear to boost efficiency, and simplifying daily management for businesses across Italy.

Serving a wide range of clients, MyO offers +25,000 products, distinguished by their quality, Italian expertise, and tailored options that successfully meet an extensive array of workplace needs.

At the core of the company sits an IBM i system, serving as the unique source of truth for ERP, CRM and every other business app including analytics.

Project goals

For security and scalability reasons, the IBM i system needed isolation from both direct access by external users and excessive workloads from multiple applications. MyO set challenging goals for the project:

- Offload IBM Db2 to Couchbase, a NoSQL document database, to create an operational datastore to serve mobile external users;
- Maintain integrity of the core system;
- Data had to be transaction-proof and modelled for mobile app needs;
- Improve response time for application users.



Why MOLO17 Gluesync™ was chosen

The technical team at MyO was looking for a Change Data Capture solution that would achieve the following objectives:

- Support for Couchbase NoSQL database;
- Faster support for replications from IBM i, compared to a solution, already in use;
- Support for additional pre-built connectors such as MySQL, Oracle and MS SQL Server;
- Capability to model data into nested JSON objects.

After an extensive period of evaluation and benchmark testing, where the MyO team challenged every feature of the platform, the decision was made to not only adopt Gluesync for its ability to meet all project target objectives, but also to replace the existing replication solution.

MyO selected Gluesync as a central module in their data integration strategy for three main reasons: Gluesync's ability to support nesting of JSON objects to define complex data structures; its performance and a modern user interface.



Results

On deploying Gluesync, MyO was able to complete a successful offload of ERP & CRM data to Couchbase, with an accurate, sophisticated data model structure to lower the compute requirements from their edge devices.

Moreover, a MySQL database, containing e-commerce data was also connected to the same Couchbase operational store to fuel sales agents' activities in the field.

Thanks to MOLO17 Gluesync, MyO's technical team is able to provide a better user experience:

- Ability to plug & play new data pipelines to grow Couchbase data and use cases;
- Lower IBM i resource footprint without compromising sync performances;
- Manage all data pipelines from one single entry point.

About MOLO17 Gluesync

Gluesync is designed for real-time event-based data replication. Particularly effective in replicating data between major Relational Database Management Systems (RDBMS) and NoSQL databases, Gluesync also supports replication between relational databases, NoSQL databases and Event Streaming Services.

Gluesync key feature is its ability to perform real-time, two-way data streaming and replication. Gluesync's unique container-based architecture makes it easy to deploy with a low-resource footprint and no oversight required.

"I had the pleasure of closely working with the MOLO17 technical team during the implementation of Gluesync, including data modeling and the introduction of Couchbase into our technology stack. In my 25+ years in this industry, I have rarely seen such competence, integrity, and quality."

said Massimo Pari, Senior architect at MyO.

For more information on MOLO17 Gluesync, please contact info@molol17.com



Accelerating time-to-value for any data projects
by connecting world's databases in real-time

