



Legacy Database Systems

Is your legacy database performing and achieving results at a level equal to that of your organization? Mainframes being used today hold decades of intellectual property, company secrets, business financials, personnel information and other proprietary company data. Commercial organizations and government agencies using mainframe systems have been seeking alternatives to legacy Database Management Systems (DBMS) for years. And even though these reliable systems conduct very complex data manipulations, they lack many of the advanced features newer database systems offer and often create an uncompetitive business model.

Legacy DBMS System Burdens

Legacy DBMS systems are becoming an inconvenience to organizations. Senior management is looking for increased flexibility, advanced reporting and heightened security applications. Day-to-day use of legacy DBMS systems is more challenging than ever, which can result in less employees utilizing them. Some notable burdens are:

- Shortage of qualified developers and programmers
- Difficulty in updating, expanding and upgrading
- Integration of new applications
- Lack of both batch and online environments support
- Poor functionality and monitoring features

Impact on Business

Legacy systems are the lifeline of many organizations and oftentimes overlooked when IT strategies are developed and ongoing performance measured. Businesses may encounter a wide variety of limitations due to their failure to address modernization including:

- High licensing fees and maintenance costs
- Time and resources required for simple upgrades and maintenance
- Limited users and other restrictions
- Negative impact of growth and missed opportunities
- Lack of essential reports which result in poor decisions
- Inadequate customer service
- Decrease in company morale
- Slow application development

The Solution - IDBridge

Intelligent Decisions has developed a high performance, minimum risk solution that can transform your legacy database platform to the solid foundation essential for future modernization and expansion. The IDBridge converts your legacy database and its associated portfolio of application programs to use SQL enabling full functionality with virtually any relational database such as DB2 or Oracle. Since SQL is a generally accepted database language that efficiently integrates with other DBMS or query tools, the IDBridge makes it easy for your new "bridged system" to utilize existing and cost effective, off-the-shelf software and application packages. The IDBridge's proven, automated tools provide access to data without having significant modifications to the inherent applications.

There are three approaches organizations can take to remedy legacy systems constraints, but only one proven solution- the IDBridge!

Purchase a New System

- Gaps in functionality
- Downtime
- High costs and high risks
- Loss of revenue
- Difficult to find qualified developers

COSTLY

Maintain the Current System

- Short term fixes
- High licensing fees remain
- Delivers no next step in growing your business
- Downtime and risks

LIMITED

Database Migration – IDBridge

- Functionality not compromised
- Automated migration
- Increased productivity
- Eliminates legacy database licensing fees
- Eliminates downtime and risks

IDBridge Architecture

The IDBridge is actually an infrastructure that includes a library of reusable components that support variations of the relational or physical data manipulation language commands incorporated by the programs being converted. The infrastructure also includes components that provide support for:

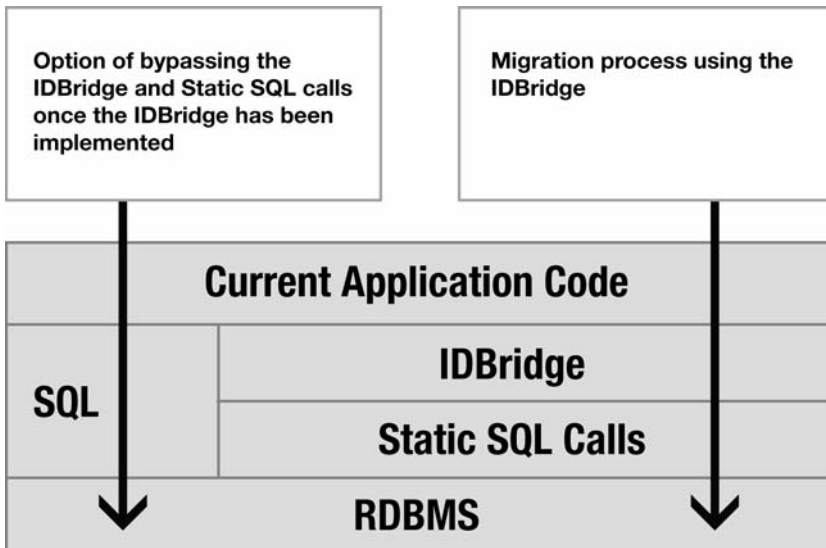
- Data Transformation
- Return Code Translation
- Unsigned Numerical Data
- Ordered & Unordered Linkpaths
- Utilization of the Relational Database without Restriction

The infrastructure of reusable components is managed by a main “driver” program called out by the original application program in much the same way as the existing data manager is invoked.

The IDBridge consists of 2 modules.



After the IDBridge is implemented, you can perform future expansion using the IDBridge software or program native SQL calls into your current application code bypassing the IDBridge.



IDBRIDGE SOLUTION

- Uses custom software to migrate data from a legacy DBMS system to a relational database
- Provides enhanced reporting, monitoring and testing
- Eliminates legacy database licensing fees
- Allows programs that use legacy databases to access relational databases with little or no change to the current application code
- Utilizes custom-developed SQL I/O module for each legacy file migrated to a relational database
- Supports both batch and online environments
- Handles NULLs and unsigned numerical data
- Leverages DB2 and Oracle and a wide variety of vendor tools that enable monitoring features
- Supports the existing legacy system data structures
- Provides greater performance, functionality and reliability

ADDITIONAL BENEFITS

- Changes are virtually transparent to users
- Data is mapped into a data structure similar to the legacy database
- Changes can be made in-house with this customizable solution
- Applications and programs can be integrated on the RDBMS