

IDMS Migration Solution



Migrating IDMS data to a leading relational database will inject new life into otherwise ageing systems.

Overview

It is an accepted fact that relational database architecture has won the battle for supremacy in the world of database design. Any organisation currently making use of IDMS databases must have a succession plan in place that addresses the issue of a future where IDMS will be replaced by one of the dominant players in the relational database world.

MigrationWare provides a powerful solution to those companies wishing to migrate their systems dependent on IDMS databases, to a relational database alternative, whether DB2, Oracle, SQL Server or any other leading RDBMS.

As with most MigrationWare conversion solutions, the approach to IDMS database migrations free companies from run-time components or “black-box” technology. The migrated application is therefore delivered in a form that positions the company to take full advantage of the native technologies available on the target platform.

In order to reduce the impact on the application being converted the MigrationWare approach seeks to minimise the amount of change required within the business logic by introducing an I/O module concept that removes from it all data access logic placing it into a separate data access layer.

Existing data structures that are understood by the application therefore remain unchanged resulting in the program architecture and logic flow likewise remaining unchanged whilst all the benefits associated with running against a RDBMS database will accrue to the migrated application.

The MigrationWare approach to IDMS database migration address the complexities associated with concepts that are unique to IDMS and that find no equivalent in the relational

database world. Such concepts as DB Keys, sets ordered by next and prior currencies, multimember sets, and area sweeps amongst others are fully dealt with ensuring full compatibility with the IDMS environment and thus ensuring the functional equivalence of the migrated systems.

Benefits

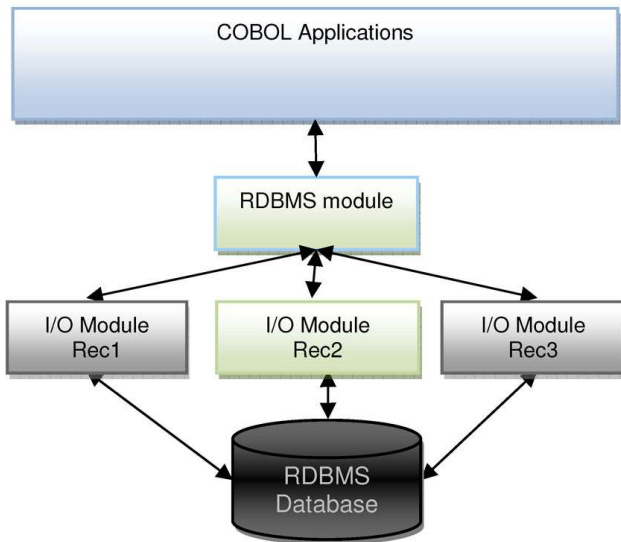
Migrating away from IDMS database systems represents a migration away from a “burning platform” that exposes business to increasing risks and spiraling costs.

Migrating to an open and contemporary RDBMS database is both a strategic move, removing substantial risks, it is also a cost efficient alternative to the IDMS environment.

Migrating according to the MigrationWare approach ensures no new proprietary layers are introduced to add complexity or cost to the migrated environment, and that the impact on the application being migrated is kept to a minimum thus ensuring that the application can be migrated with minimum effort and with lower costs.

MigrationWare provides a highly automated approach to IDMS database migrations, but also acknowledges that manual intervention is required to address some of the areas where the divergence between IDMS and RDBMS's are greatest. Thus MigrationWare's approach to IDMS migrations includes both automation tools as well as an important services component that ensures support throughout the migration project ensuring a successful project.

The introduction of an I/O module architecture segregates the technical environment according to function and this allows possible future changes in database technology to be undertaken non intrusively simply by replacing the existing I/O modules with I/O modules appropriate for the new database.



Key features

- Completely automatic translation of application source code.
- Introduced separation of business logic from data access logic
- Supports deployment onto both EBCDIC and ASCII
- No black boxes or run-time dependencies
- No license or maintenance fees

Conversion execution

MigrationWare will work with you to deliver according to a plan best suited to your needs. This may range from a turnkey solution to a conversion service only.

The standard MigrationWare offering based on the provision of a conversion service would require the client to deliver to MigrationWare the IDMS database dictionary information plus all related source code which will include programs copybooks and any other related data. MigrationWare would then undertake the conversion of the programs and database structures and achieve an error free clean compiling environment. The converted programs would then be provided to the client for subsequent testing and implementation.

Should any issues surface, which require MigrationWare's involvement, MigrationWare will remain active in a support role throughout the testing phase.

Pricing

Each project is unique with differing requirements volumes, schedules and deadlines. It is therefore usually impossible to supply a fixed pricing structure.

A final quote is only provided after initial interaction with the client and when MigrationWare has fully understood the scope of the project and the client's required involvement from MigrationWare.

About us

MigrationWare specialises in modernising legacy code and aging IT infrastructure by transforming and extending existing valuable investments in IT onto contemporary, open, more cost-effective environments or software languages. Through its commitment to automating the conversion and migration process, MigrationWare reduces to a minimum the costs and risks associated with IT rejuvenation projects.

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