



DB MIGRATOR™

Putting the Power of Knowledge in Your Hands

fact sheet

DB Migrator is an integral tool in the Convert/IDMS-DB™ product suite from Forecross for the automated transformation of your IDMS-DB applications to SQL.

DB Migrator combines the power and repeatability of automation with rich customization features to provide two critical components of any IDMS migration – transforming the definition of each IDMS schema into SQL table definitions, and extracting and transforming the IDMS data into SQL relational data.

In schema conversion mode, DB Migrator:

- Creates a true relational SQL database design from the IDMS schema – with all primary and foreign keys properly implemented.
- Doesn't generate "junction" tables to implement SQL relationships. This results in an architecture that has superior usability and exceptional performance because there is no unnecessary I/O.

In data conversion mode, DB Migrator:

- Applies all default data transformation rules and any custom rules that may

have been created using the Forecross Data Evaluator product for data analysis and cleansing. (Please see separate Fact Sheet for Data Evaluator).

- Generates hash totals on any non-occurring display numeric or packed decimal field – which can be used if desired in conjunction with IDMS or SQL queries to aid in verifying that all IDMS data has been moved to SQL.

- Guarantees that no data will be left behind at extract time. Other vendors use a data extraction method that can easily overlook data records under certain conditions. Waiting until production implementation to learn that you've lost critical data is avoided with DB Migrator.

DB Migrator Output

In schema conversion mode, DB Migrator generates all DDL needed to define the SQL structures, including tables, views, columns, primary keys, indexes, and sequences. It can also generate load and sort control files for most SQL database environments.

In data conversion mode, DB Migrator generates IDMS/COBOL programs to extract and transform the data. These programs run against your IDMS



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database(s) in RETRIEVAL mode, in your environment only – thus ensuring that access to your confidential data is conducted only by authorized personnel. Your data never needs to leave your environment.

- DB Migrator also generates sample JCL for executing the data extract programs in the proper sequence. This JCL can be run against any IDMS database, whether test databases or production, at your choice.

DB Migrator Customization Options

Some of the standard schema customization options supported by DB Migrator include:

- Whether data access should be via a TABLE or VIEW
- Whether SQL host variables should be generated as 01 LEVELs or 05 LEVELs
- What format should be used for DATE and TIME fields (ISO, US, European or Japanese)
- What structural changes should be made to the relational database (such as group and elementary item selection, date and time field designations, primary and foreign key modification)
- Renaming of all tables, views and columns

Benefits

Corporate data is a massively valuable asset, as evidenced by the cost of the IT infrastructures and applications used to collect, nurture, leverage and protect that data. The applications may age well and continue to meet the evolving needs of the business, or they may require anything from modest isolated modernization to complete redevelopment.

Whether you need to re-deploy your IDMS applications and data in a new environment, to gain better access to your corporate data

to support new business requirements, or to ‘map’ your existing data into a pre-existing.

SQL database in support of an ERP or other packaged solution, DB Migrator can help

With DB Migrator, you get:

- Flexible schema customization so that the resulting SQL structures meet the requirements of your business, not just those of the IDMS data
- Visibility into your corporate data and an automated approach to cleansing the data if necessary
- Guarantee that all data is accurately and completely migrated

Forecross Software Solutions

Redeployment Solutions:

Languages:

From: ADS/O, PL/I, COBOL, CSP, IMSADF II

To: COBOL, C# .NET, VB .NET, IBM EGL (Java), .NET COBOL

User Interfaces:

From: IDMS-DC, IMS-DC

To: CICS including mainframe CICS, the TXSeries for AIX, Windows, Solaris, HP-UX, other transaction servers (UNIKIX, MicroFocus CICS Option)

Database Platforms:

From: IDMS, IMS, VSAM

To: DB2, Oracle, SQL Server

Solution Enhancement Tools:

I/O Navigator

Data Evaluator

DBAdvisor

TestSentinel

XML Solutions:

L2X SmartXML Series



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