



# DATA EVALUATOR™

Putting the Power of Knowledge in Your Hands

**Data Evaluator** is the product of choice for auditing your IDMS data to ensure complete and accurate data content. With Data Evaluator, you can:

- Perform an automated data analysis early in your migration process
- Quickly assess the scope of any data cleansing effort that might be needed
- Ensure the integrity of your data before moving it to a relational environment

This unique product identifies data that your target DBMS would consider invalid – such as alpha or special characters in a field defined as numeric or a date field containing values that are out of range (year, month or day).

Invalid data can then be analyzed to determine what action, if any, is required. Some possible actions include:

- Correcting the data either in the source IDMS environment or during Data Conversion
- Accepting the data as valid and altering the definition of the SQL columns that replace the field (e.g. defining a column as an unsigned numeric instead of a DB2 date).

Data Evaluator is used as part of a 3-step

automated process that ensures a successful IDMS database migration to SQL.

1. First, DB Migrator™ – a set of tools developed by Forecross to automatically convert IDMS schema definitions and data to SQL, is run against your IDMS schema(s). DB Migrator creates a default SQL schema and supports many customizations as well.

2. Next, Data Evaluator is run against your IDMS database to identify invalid data. In addition to default rules for what data is considered invalid, Data Evaluator

allows you to create your own customized configuration file containing the specific evaluation rules you want applied to data.

3. Finally, DB Migrator is run again, this time in data conversion mode, to generate the programs needed to extract and transform your IDMS data. These IDMS/COBOL programs are run in your environment only, extracting the data and applying all Data Evaluator configuration file rules. The result is a set of flat files

which can be downloaded to the target SQL platform.

This 3-step process provides maximum flexibility in identifying all invalid data and in applying the appropriate corrections at the best possible time. It



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ensures that any data cleansing that might affect SQL primary or foreign keys is completely and accurately propagated to all tables where the cleansed data is to reside.

All three steps are iterative, which provides you with the ability to approach a very large data cleansing effort in modular pieces or using multiple resources in parallel.

### How Data Evaluator Works

Data Evaluator consists of the components below. *(Please see the separate Fact Sheet for DB Migrator for more details on this tool).*

- The Data Evaluator program – This is a COBOL/IDMS-DB program that accesses your IDMS database in RETRIEVAL mode and uses CALLs to the IDMS COBOL interface routine. You compile and execute this program in your environment, ensuring the security of your data.
- Sample JCL to compile and execute the program
- A database definition file for each schema. This file is automatically generated during the Forecross schema conversion process and contains a definition for each field in each record of the schema.
- An optional input to Data Evaluator is a configuration file that you can customize for your specific schema(s) and data cleansing issues. Configuration file rules can be created for a specific field or be globally applied. If no configuration file is present, Data Evaluator uses its own system defaults.

### Key Benefits

Key benefits of using Data Evaluator include:

- Provides critical input that helps you properly plan how much time, cost and effort is needed to cleanse your data
- Provides a flexible, iterative process for data cleansing and conversion that best

supports your resources, budget and deadlines

- Provides a flexible, iterative process for data cleansing and conversion that best supports your resources, budget and deadlines
- Can be used by your team alone or in combination with Forecross IDMS data conversion experts, at your choice.

With Data Evaluator from Forecross, you can quickly get a handle on how much time, cost and effort may be needed for data clean-up. Don't put your mission-critical data to work in a relational environment without it!

## 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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