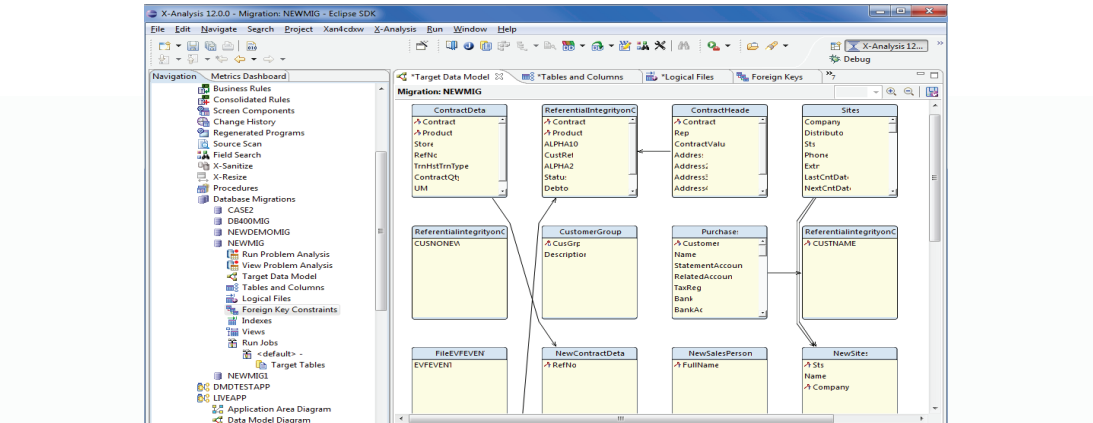# Automated Database Transformation Drives Business Innovation

In a data-driven world, it makes sense to leverage the investment in your IBM i databases by modernizing them to improve access, provide self-service reporting and take advantage of modern computing abilities. Fresche's X-DB Transform automates the modernization of IBM i databases, beginning with conversion of DDS to DDL. It also helps you to remodel your table structure and converts your data into the new format. You control the entire modernization process. Regardless of the change, the impact is known and managed early in the project.

With X-DB Transform, You Can:

Improve data access with automated conversion of DDS to DDL
X-DB Transform automates the conversion of DDS databases to DDL while harvesting descriptive names for columns and tables, providing your organization with a data source that is easily available to the whole organization.

Minimize impact to the business during a key modernization initiative
X-DB Transform gives you the capacity to manage all aspects of the modernization effort so that you quickly benefit from a modern database without disrupting the business.

Automate database re-engineering
X-DB Transform leverages the data model produced by X-Analysis and then restructures tables, performing merges and splits, modifies datatypes, standardizes naming, eliminates redundancies and corrects anomalies.

Manage the transformation of the database from the old to new format
You maintain complete control over the process, starting with automated problem analysis pre-migration, to selection of tables and data, re-engineering parameters, testing and data migration audit.

X-DB Transform is highly configurable and handles the unique problems presented by IBM i DDS and DDL databases. It performs upfront problem analysis and uses the data model produced by X-Analysis to perform a seamless migration and restructuring. It ensures a clean, accurate conversion to any target database.

For real-world user experiences with X-Analysis solutions: www.freschesolutions.com/en/success-stories

X-DB Transform automatically performs pre-migration analysis, converts DDS to DDL, and re-engineers your database.

Some of the key features of X-DB Transform

Converts DDS to DDL

Fully automated to increase speed, reduce manual error:

- Automatically converts while providing full control
- Auto-recovers constraints, long names, views, etc.

Performs problem analysis

Pre-modernization analysis resolves issues up-front:

- Highlights PF files with non-unique keys, 0-member files, etc.
- Provides interactive drill downs all the way to sources

Normalizes tables

Powerful normalization provides a responsive database:

- Standardizes naming and removes any errors
- Eliminates redundancy, corrects duplicate data/anomalies

Converts datatypes

Datatype conversion results in a more efficient database:

- Converts character or numeric types into date/time types
- Converts columns with data structures into separate columns

Migrates to the new format

Complete control over all aspects of the migration:

- Selects specific tables, restricts number of records
- Splits or merges tables/columns, monitors migration

Helps with database management

Robust data management features:

- Identifies orphaned records, creates test databases, etc.
- Provides data integrity checker, before/after structure view

Need help getting started?

Database modernization can seem overwhelming, expensive and outside the capability of in-house staff. Partnering with Fresche brings decades of experience in IBM i database management, migration and transformation. Our consultants will tailor a database modernization solution exactly to your needs. Give us a call to learn more!

For more information, call 1-800-361-6782 or visit www.freschesolutions.com

About Fresche Solutions®

Fresche Solutions is an international vendor of IBM i application modernization and management solutions. With offices in the US, Canada, Europe, Australia and India, Fresche helps IBM i customers attain their business goals by better managing, enhancing and evolving their RPG, COBOL and CA 2E (Synon) application environments.

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