

Xcase for i

Modernize, Document
and Administrate your
database on *IBM i*

- Protect your investment
- Reduce the risks linked to modernization
- Bring more agility to your business

> *Xcase for i* allows you to achieve two main objectives

MODERNIZATION & DOCUMENTATION

Migrate from DDS to SQL
and document/implement hidden
relationships

GOVERNABILITY & ADMINISTRATION

Manage your databases (structure & data)
and build coherent and secured
test environments

> Bring more power to your teams



Graphical Database Designers

State of the Art Dev graphical database environment.
Assisted **design and administration**.



Developers

More collaboration with **shared documentation** and common database understanding.



Testers

Advanced **snapshot management** to conduct efficient and independent regression testing.



Anonymization Manager

Rule-based anonymization engines to **comply with regulations** and security requirements.



Content Manager

Produce **compact, coherent and representative** databases from production. Quickly provide specific production data for debugging.

> The benefits of an *Xcase for i* modernized database

- SQL-defined database taking advantage of the frequent and deep enhancements provided by IBM
- Model-driven database governance
- Automatic synchronization between the database and the model
- Detection of database data integrity issues and the applications causing them
- Normalized and documented database
- Improved performance
- Generation of compact, coherent and representative Dev/Test databases
- Anonymization and protection of your Dev/Test databases

Modernization & Documentation

Migrate-DB

> Migrate from DDS to SQL

Release the full potential of SQL hiding in your IBM i database

Greater speed and better performance are just two key benefits of moving to SQL.

You will also prepare your applications to evolve in a wider variety of ways, increase data security and data integrity, reduce future development time and open your database to greater interoperability with other applications as well as reporting, design and management tools.



Address the “coexistence” challenges of database modernization on IBM i:

- New applications will use the new Database features immediately
- Existing applications will run as before, with no recompilation
- Guaranteed gradual and smooth transition between old and new applications
- Database downtime will be minimal during the modernization process

Benefits



Quicker modernization with fewer risks and less effort



Improved data quality



Process completeness



Protection for existing applications



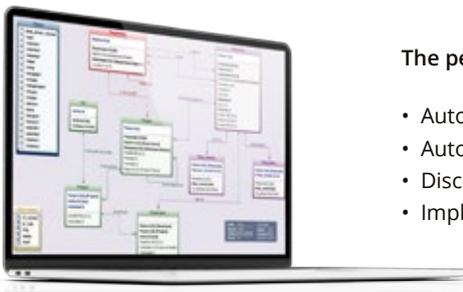
Supports incremental modernization



No SQL or modernization expertise required

Relate-DB

> Graphically document your data model, discover all the implicit relationships and safely implement them in the database without disrupting existing applications.



The perfect solution for understanding the nuances of your database, ideal for:

- Automatically discovering and documenting implicit relationships
- Automating the creation of a metadata layer for faster BI implementation
- Discovering referential integrity issues and the applications causing them
- Implementing optimal declarable relationships without disrupting existing applications

Benefits



Better documentation



Enforced collaboration



Better support for Query tools



Stronger integrity



Higher performance

Relate-DB implementation process:

Step One:

Discover database relationships



Step Two:

Normalize tables



Step Three:

Implement relationships in the database, at your own pace

Governability & Administration

Evolve-DB

> Create graphical data models, conduct impact analyses and modify the database.

Keep your SQL database running smoothly and ready to adapt quickly to new business demands. The Designer will manage the database from the graphical model, adding new tables, relationships, views, constraints, identity attributes, Temporal Tables, and more, and *Xcase for i* will automatically generate the necessary SQL code when synchronizing the database with the model.

Benefits



High-quality diagrams (ERD) to document your model



Meticulous change-impact analysis



Change automation, generation of SQL code



Safety: Existing data preservation, built-in Version Control



Viewer-DB

> Provide all development team members with the right database vision.

Enable full communication among all team members. They will have a common yet customizable, graphical vision of the database, and will be automatically notified about changes to the database structure. The functionality of Viewer-DB is included in Evolve-DB, Test-DB and Anonymize-DB, but can be purchased as a stand-alone product.

Benefits



Common database understanding



Explore data at the level of information you need



Test and try with your data



Customizable diagrams adapted to stakeholders' needs



Easily generate any database-related code



Test-DB

> Build compact yet comprehensive Dev/Test databases.

Enhance development agility: Simplify the creation and management processes of Dev environments, ensure Dev quality through data integrity and reduce storage capacity requirements. Bring agility to your testers: The snapshot feature allows testers to compare and restore data during their tests and to incorporate specific data from Prod for debugging purposes.

Benefits



Teams have tailor-made test databases



Enables them to work on quality data



Auto-generated extraction scripts



Debug Prod with greater agility



Generates synthetic data for new tables



Compare and restore data Snapshots



Anonymize-DB

> Anonymize data in Dev/Test environments.

Once anonymized, developers have a high level of freedom for their tests, and Development teams can work free of constraint with high-quality data without endangering compliance with legal regulations or internal business rules. Provides the anonymization manager with a user-friendly and effective tool to anonymize sensitive business or personal data in your Dev/Test databases. Your security and legal compliance are enforced.

Benefits



High-quality anonymized data



Facilitates discovery of redundant sensitive data



Facilitates the work and performance of your team



The whole process is documented



About Resolution Software

· Resolution Software Ltd. specializes in affordable software solutions that facilitate database design, modernization and evolution.

· Established in 1988, Resolution was a forerunner in recognizing the strategic importance of the proper design and maintenance of the database.

· Resolution's cornerstone product, Xcase, is a complete database design and modelling tool specifically adapted for today's most widely used database environments. Used by hundreds of companies in a wide variety of industries, Xcase has earned praise from many members of its loyal customer base. Xcase is the foundation of a unique and thorough Database DevOps solution encompassing the entire Database life cycle.

Modernization as a Service

> Keep your team focused on business-related projects

We can provide you with a wide range of services to efficiently manage your modernization project. Modernizing the database is a one-shot exercise, therefore it is more valuable for you to invest your time in building durable competences.

To keep your developers focused on projects related to your business and the future of your system, we can help you provide them with a database model that will allow for next-generation developments.

> Why entrust Resolution Software for this project?

- We have already successfully managed many DB Modernization projects ([see business case on IBM website](#)).
- We have established a clear methodology based on proven best practices
- Our project managers have *IBM i* and project management expertise
- We can bring you rare skills in SQL knowledge and database management
- Our experience will mean low demand for your company's critical resources
- We will ensure the operational impact of modernization is minimal

> Methodology

- A modernization professional will conduct a Diagnostic of your database.
- Based on the results of the Diagnostic Report, Resolution Software will devise and implement a custom Modernization Action Plan with you.
- The developers who know your applications will be included in the project to provide validation and define new SQL functionality into your new database structure, helped by the decision-making tools of *Xcase for i* and Resolution Software database experts.
- Once modernized, *Xcase for i* administration tools will allow you to manage the DB on a daily basis.

Secure your decision process

Read customer testimonials on our website



Ask for a free personalized presentation



Schedule a Proof of Concept on a subset of your database



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