

Case Study



Customer Name:
Israel Ministry of
Education

Headquarters:
Jerusalem, Israel

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Database Enforced Change Management Solution Brings the Ministry of Education a Safety Net for Database Development.

DBmaestro establishes the security and protection the Ministry needs for its valued database schemas.

- Management gains control and oversight of database development in geographically distributed teams.
- DBmaestro's Database Enforced Change Management prevents unauthorized changes to database schemas.
- Appropriate access permissions assigned to each organizational role.
- Ensures that access and changes to database schema are performed by those with authorization

Background

The Israeli Ministry of Education is located in Jerusalem, the country's capital, but its IT facilities are spread over several locations. Like the student body it serves, the Ministry's database development is in constant motion, with changes being continuously implemented.

The Challenge

The Ministry's IT managers were concerned by their lack of control over database changes, and by the different database versions that coexisted among its various facilities. They couldn't precisely track who was doing what, when and why to its schema and contents. It was impossible for all of the developers in the Ministry to work together in complete synchronization.

Further, the Ministry never knew if their documented and planned changes were deployed at any given time, or if their database code had been overwritten. The Ministry's database development required a better tracking and management process, together with a proven method for policy enforcement.



"DBmaestro facilitated the database development process in the Ministry of Education in current IT development projects. The ROI of DBmaestro is undeniable."

Sofia Mintz,
CIO,
Ministry of Education



The Solution

The IT managers at the Ministry of Education were particularly attracted to the safety net offered by DBmaestro Database Enforced Change Management Solution. It satisfied the three major requirements of their multi-team development environment: database version control, deployment automation and enhanced security.

Result: Database Control

To enable teams to work in sync, database version control had to be enforced. TeamWork DECM provided this to the Ministry through Change Policy Enforcement, which permits an exclusive lock for database artifacts, eliminates out-of-process updates to database structure or code, and associates technical changes with business activities. Through version control it simplified rollback and enabled rapid error recovery, reducing the operational risk involved in change.

Result: Deployment Automation

Implementing DBmaestro into the ALM cycle shortened deployment time up to 95%, at a substantial cost savings. Personal productivity grew as automatic conflict resolution and fewer, quicker rollbacks gained team members valuable time to spend on core development tasks.

Result: Enhanced Security

Without the protection of DBmaestro, anyone with user account access to the Ministry's database -- developers, QA users and DBAs -- could change any database object at any time in the development environment.

Today, each and every planned change to the Ministry's database is monitored, controlled and documented. DBmaestro has provided a method of management control that ensures stability. No longer does the Education Ministry need to be concerned with out-of-process changes interfering with their database integration; with DBmaestro, they are able to generate consistent and repeatable deployment code. The time and money they have saved by implementing DBmaestro has paid for itself.