



GAP

Managing database configuration

In a world in which software changes occur all the time in various strata and components, it is particularly important to extend the limits of change management and control to databases as well. dbMaestro Change Manager expands your organization's configuration management and control to the world of databases.

Every day, many organizations installing software upgrades or deploying a new version of an application run into real problems in integrating software (which is generally operated by dedicated platforms, such as Software Configuration Management System-SCM) into the configuration of the overall solution, which is based on software, databases, hardware, and so forth.

The daily functions of making changes to the database configurations are very costly in terms of the hours invested in locating and rectifying malfunctions. Maintenance windows, development efforts, software testing and support functions are impaired by the inability to manage multiple versions of the same database, whether they are in the development, testing or production environments.

dbMaestro Change Manager is the solution to managing database configuration which integrates existing configuration management systems.

Benefits and uses

Saves time – significantly less time invested in making changes to the database structure; the technical personnel can focus on the real problems.

Improves quality – Considerably reduces database-related malfunctions.

Organizational tool – Upgrade your organization's QA and malfunction resolution capabilities.

Streamlines processes – Presents a fast and accurate picture of the structure of tables, indexes, keys, stored procedures, views, etc.

Continuously available work tool

Structure comparison – Compares database versions to identify inconsistencies in the database structure.

Information comparison – Compares the content of tables between database versions or between table versions to identify information inconsistencies.

Structure and content migration – Smart migration between one database structure and another – which is safe, automatic, accurate, rapid, and easy to implement.



CLOSE THE CM GAP

FUNCTIONALITY AND TECHNOLOGICAL BENEFITS

Finding Differences Between Databases

dbMaestro is based on a smart engine that directly scans the information objects within the database and is not required to perform simple comparison of texts or Scripts.

The unique scanning engine identifies dependencies between objects within the database. This feature enables automatic deductions which cover all the interconnected information items at the press of a button without manual intervention by the user

dbMaestro identifies the differences between the databases and displays them in a user-friendly graphic display. The display includes a description of the differences between existing objects in the remaining databases, and indications of objects that exist in only one database and not in the other.

Merging Database Structures and Content

dbMaestro automatically builds a merging or synchronization program; however it enables users to make changes in the software as necessary.

dbMaestro's migration engine can handle any size database without any impact on performance and regardless of resources.

Through dbMaestro's unique deduction capability, the automatic work plan includes identifying and handling dependencies between tables, views, indexes and other database objects; these variables are taken into account during migration of the structure or content so the order of actions is always correct and malfunctions are avoided.

Control of Database

configuration – version management

dbMaestro saves multiple versions of the database structure. From now on, management of product versions will also include the database versions and not just the program versions. This capability complements the organization's configuration management system.

The dbMaestro configuration management mechanism enables migration from previous database versions to the existing database, so the database can be updated immediately to reflect every previous version that was used.

dbMaestro's configuration management can migrate specific parts of the real database (for example, only the indexes), making it possible to check the ramifications of focused changes or rectify problems that encompass only part of the database, and not all of it.

Minimal signature

dbMaestro does not require installation of any software components on the managed database servers. The system's control interface can be operated from any computer in the network and its information can be stored on one of the database servers, including those that are not production servers, regardless of the managed databases.

Security

dbMaestro operates is based on the powerful authorizations mechanism of the database. There is no need to reinforce authorizations separately and no fear of unauthorized access to the information.

