Product Information

DBMaker®

INTERON

RELATIONAL DATABASE MANAGEMENT SYSTEM

INTERON

Regarding

PADRÕES DA INDUSTRIA

DBMaker was designed from the ground up to be an industry-leading open standards product. ODBC is in the DBMaker core.Integration with multiple applications in different languages using the various APIs existing in DBMaker such as ODBC, JDBC, OleDB and DCI.

Affordable prices

DBMaker was developed with the latest design concepts in mind to create an efficient, easy-to-use and powerful database engine. DBMaker, a powerful resource at an affordable price for your business. DBMaker offers the most cost-effective development with minimal hardware and software costs.

High performance

DBMaker has a tablespace structure, with the management of its data files and its blob files, they are files structured differently, one for managing data files and another for managing multimedia data files. In addition, all its ODBC, JDBC, OleDB and DCI APIs were tested and developed to be very performant, thus avoiding unnecessary layers to execute it.

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Open Architecture

It has all the APIs that an RDBMS can have, such as ODBC, JDBC, OleDB and the DCI differential, that is, in addition to DBMaker being able to communicate with Visual Studio, DotNet, C#, C++, JAVA applications, it can also integrate these data with your COBOL data using DCI in conjunction with other APIs.

Easy-Of-Use

Easy to install and platform independent.

Our cross-platform graphical tools are especially useful to make managing your databases easier.

This way, beginners can quickly experience how easy it is to create databases.

Portability

This RDBMS can be easily scaled from a simple database to a single application and in single user mode using the same for a POS, or to a more robust database with concurrency control, with multiple connections and multi user.

WEB Solutions

DBMaker supports the latest standards and development tools such as XML, Java, applets, servlets and JSP (via JDBC or JDBC-to-ODBC driver), Perl and PHP, which enable easy integration of Internet and Web assets with your databases. Furthermore, DBMaker 5 is the perfect companion for integrating your data with your applications. DBMaker's compact database kernel and built-in database engine are specifically designed to make it easy to bundle and use other applications seamlessly, while keeping DBMaker easy to install.

COBOL Interface

DCI – DBMaker Cobol Interface, keep your Cobol application, with your Cobol verbs and communicate it with a robust and performative database, without the need for Exec SQL or any change in your source and start having interaction with your Cobol data with the other applications of your company.

Advanced Multimedia

DBMaker has always supported multimedia and with DBMaker 5 we have expanded and improved these features. Multimedia management is part of DBMaker's original design and not an afterthought in storing and handling large amounts of multimedia data including text, graphics, audio and video, with DBMaker you store multimedia data directly in the database as Binary Large Objects (BLOBs), or you can store your multimedia data as File Objects and grant third-party multimedia tools full access to your multimedia data, while still keeping it under the control of the database.

Enterprise Ready Resources

DBMaker is an enterprise-class database that offers many advanced features. Features such as synchronously or asynchronously replication of data and updates throughout the database system, distributed database management with full, incremental, differential backup and restore routines. A completely new logging system records a detailed audit trace. We have several levels of built-in logs that provide a quick and easy interface that can be customized by the administrator to record more or less details. The username and password security trace keeps everything secure and provides a means of tracking access violations. The Bundle version of DBMaker also includes these features.

Containerized database support

Microservices architecture support

DBMaker supports the Microservices architecture. Using DBMaker's containerized services with DockerHub integration, it concentrates database services into small building blocks with unique responsibilities and roles and assists in combining large-scale complex applications into a modular microservices approach.

DBMaker also provides Embedded Lua in SQL Stored Procedures to support the HTTP API communication mechanism. It can also be used on platforms that automatically deploy, expand, and run application containers, such as Kubernetes (K8S).

The DBMaker database server Docker image

DBMaker provides a containerized DBMaker Docker image, which can package a version of the DBMaker package into an image through the Docker operating system's layered virtualization technology and establish a DBMaker container. The DBMaker container uses system resources allocated on the host OS and can share the OS core. Compared to a virtual machine, it does not require an additional operating system (guest OS) to run, greatly reducing guest OS wait time, fast boot speed, and less memory and hard disk usage.

Powerful and flexible database

DBMaker is a powerful relational database management system

DBMaker SQL database management system is easy to operate, low cost and feature rich. The system is based on a highly integrated database engine, perfect for an ISV looking to improve the functionality and performance of their products. DBMaker offers high reliability at a low price. DBMaker's powerful features, efficiency, performance, and flexibility can greatly improve your programming development efforts. Using the standard ODBC interface with multimedia capabilities and cross-platform support, DBMaker achieves seamless multimedia integration with traditional database functionality.

Cross-platform flexibility and web server ready

Broad cross-platform support and an open architecture ensure that you can develop cross-platform database applications and easily upgrade from a single-user system running on a notebook to an enterprise-class, multi-user environment distributed across the globe. DBMaker is web-ready with functions for your existing web server such as SQL, multi-user processing, transaction processing, security management, concurrency management, damage recovery and integrated online backup.

DBMaker is a leader among Commercial Database Management Systems

In addition to DBMaker's comprehensive and advanced features, its operation remains uncomplicated. DBMaker offers complete solutions from standalone configurations to client/server architectures. Distributed databases, distributed queries and distributed transactions show our commitment to DBMaker in distributed environments. DBMaker provides data replication, both synchronous and asynchronous. Our two-phase verification implementation helps protect your corporate data. DBMaker meets the demands of the largest companies with its powerful distributed management features.

DBMaker multimedia resources

DBMaker's multimedia capabilities are now enhanced, expanded and fortified. Store and manage vast amounts of multimedia information, including plain text, images, video and audio. Stored as Binary Large Objects (BLOB) or as File Objects (FO), multimedia assets are always under database control and management, but with full access available to third-party multimedia tools.

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Especificações do Produto

containerization

- Image of Docker of DBMaker

Multimedia

- Management of high-performance large-scale objects
- Types of flexible file link data for multimedia development applications
- For multimedia development applications
- Table support for multimedia objects
- object field
- Full text search in several languages
- Unicode large object support

Open interface

- In accordance with the ANSI SQL-99 standard
- Supports ODBC 3.0 Level 2
- Supports JDBC type I and II
- Supports stored ESQL/C procedures
- Supports stored SQL procedures
- Supports Java archived procedures
- Supports DCI (COBOL Interface)
- Support OLEDB driver

Security management

- Database user and group management
- Managing access to tables and fields
- Tablespace read/write/read-only settings
- network encryption
- Database network IP control
- Access controls for stored commands/procedures
- DES network traffic encryption

XML Resources

- XML file conversion (API)
- XML export database template tool
- XML Import Database Template Tool
- XML Database Field Types
- XML Index XML Functions

Database management tools

- Database Management
- Status monitoring and historical statistics
- Database data transfer
- diagnosis and repair
- Database configuration tool
- Backup and Restore Tools
- database query
- XML interface
- Database monitoring

Reliability

- Online and offline backups
- Full, differential and incremental backups
- Transaction processing returns the database to its previous error-free state
- Database consistency, structure checks
- Automatic management of database system statistics
- Support MTS
- Database replication
- Synchronous/non-synchronous table replication

Full-text search capabilities

- High performance recovery
- Low resource demand
- Supports many languages
- Precise or fuzzy queries
- Multimedia query retrievals

Distributed database management

- Distributed data queries
- Two-phase distributed transaction commits
- Mapped database replication
- Heterogeneous database table replication
- Synchronous/Asynchronous table replication
- Database link management

Advanced features

- triggers
- User defined functions (UDF)
- SQL, Java, ESQL/C Stored Procedures
- Primary and foreign key definition
- Condition table definitions
- memory management
- Field defined domain
- Default Value Field Definitions
- dynamic column
- filter index
- automatic index
- schedule daemon
- Lua embedded in SQL stored procedure
- Import/Export JSON

Data storage management

- Automatic Tablespace Expansion
- Fixed Table Space
- Read-only tablespace
- Tables can span multiple data stores
- Dynamically increase storage
- Supports UNIX Raw device
- Customize page and frame size
- Supports databases up to 256 PB
- Unlimited number of tables
- customizable views

System architecture features

- multi-thread
- Support SMP framework
- Supports NT ServersSupports Multiple CPUs
- Supports 64-bit operating systems

Availability of operating systems

- Windows x86 / Windows x64
- Linux x86 / Linux x64