DBMaker

DBMaker is the ultimate SQL DBMS - easy to use, low cost and feature rich

Choosing a suitable database system can be a tricky business. You must take into consideration the strength of your MIS department, the life cycle of an information system within your organization, the technical support capability of the database supplier, the kind of computer equipment you are currently using and any plans you may have for expansion in the future.

With these considerations in mind, CASEMaker Inc. offers you the ultimate solution for all of your database needs. DBMaker - an easy-to-use, low-cost, feature-rich SQL DBMS built around a tightly integrated, advanced database engine. DBMaker brings cost-effective scalability and reliability to independent software vendors (ISVs) and developers looking to improve functionality and database performance.

DBMaker provides a multitude of robust features that enhance the power, performance and flexibility of any application. With a native ODBC interface, multimedia capabilities, large database features and cross-platform support, DBMaker integrates multimedia and traditional database functions in one affordable, easy-to-use package.

High Performance Database Engine

DBMaker is a perfect match for developers looking to build fast, compact applications. High-speed performance is ensured with fully integrated native ODBC API, multimedia handling and efficient data access routines.

DBMaker's powerful high performance internal database engine, is responsible for generating and storing a multitude of complex data types. The engine is designed to provide exceptional efficiency for accessing relational data. A powerful query optimizer combined with multiple indexing methods results in faster searches and more efficient storage.

To optimize the speed and concurrency of data accessed by multiple users, DBMaker dynamically adjusts between table, page and row locking levels. The automatic cost-based query optimizer guarantees that query results are returned as quickly as possible. Moreover, DBMaker uses multi-threading where possible, ensuring improved performance on SMP systems.

Open Interface

Using the native ODBC interface and ANSI SQL-99 support, you can quickly create high-performance applications using a variety of popular development tools, including MS.NET, 2003/2005/2008, Visual C++, Visual Basic, Delphi, AcuBench and CASEMaker's Totem. DBMaker lets you use the tools you already have, and does not restrict you to a proprietary development environment.

DBMaker JDBC Driver enables greater flexibility and connectivity by supporting Java applications and applets as well as granting these applications access to DBMaker databases. This bridge provides developers who wish to build business applications using DBMaker with high levels of adaptability, power and ease of use.

DBMaker's new COBOL interface (DCI) does not require critical COBOL operations (such as WRITE, REWRITE, DELETE and READ) to be translated into SQL syntax. DCI thus saves programmers the time of rewriting their existing COBOL applications, while at the same time providing them with modern and secure database technology.

Portability

Extensive cross-platform support and unique open architecture ensure that you will never outgrow DBMaker. You can deploy your database applications across several platforms and easily scale from a small single-user system on a notebook computer all the way up to a large multi-user system distributed around the world. CASEMaker offers the perfect solution for managing world-wide systems comprising massive amounts of interactive information on Web Servers. DBMaker comes SQL, multi-user capability, transaction management, security management, consistency management, crash recovery and online backup, making it a truly perfect solution for database management in the Internet Age.

Multimedia Data Management

Powerful multimedia management capabilities built into the database engine allow you to efficiently store and manipulate large amounts of multimedia data including text, graphics, audio, video and animation. Multimedia management capabilities also provide exceptional flexibility, allowing you to easily store multimedia data in different ways depending on your needs. You may store multimedia data directly in the database as Binary Large Objects (BLOBs), or you may store your multimedia data as File Objects, granting third-party multimedia tools full access to your multimedia data while still keeping it under database control.

DBMaker - Your Excellent Web and Multimedia Database solution

Web Solution

Support for the latest industry standards and development tools like XML, Java application, applets, servlets and JSP (via JDBC or JDBC-to-ODBC Driver), Perl, and PHP make DBMaker an Internet powerhouse ready for publishing and sharing data from your Web sites to everywhere on the Internet.

Bundled Applications

With its robust performance and multitude of advanced features DBMaker is an excellent choice for bundling with other applications. DBMaker supports a wide variety of development tools that grant seamless cross-platform operation. A lightweight database kernel and embedded database engine enable the user to install DBMaker simultaneously with the bundled application from the same CD ROM without any hassle or additional installation procedures.

Enterprise Features

DBMaker is a full service database, offering a multitude of advanced features including all the functionality of a complete enterprise database. With DBMaker you will save a bundle and still will be able to operate at the highest performance level using standard enterprise database features like automatic simultaneous replication of data and updates across the database system, distributed database management, complete backup and restore functions and security.

Database Log system can records the database commands access, application network locations, access user and time. When the database is removed without authorization, the system manager can check the database by the records. In addition, the system manager can specify what system information will be logged, for example, Log all SQL commands, Log non-select SQL commands and Do not log SQL commands.

It's so easy

Installation and setup so easy you can begin using DBMaker in a matter of minutes, no matter what platform you use. DBMaker includes versions for all platforms on the same CD ROM, so there are no hidden extra costs when moving between platforms. Novice database users will especially appreciate the simple management features and graphical tools that are consistent across all platforms. Furthermore, DBMaker's robust performance and extensive features do not compromise size. Its compact size allows you to use DBMaker almost anywhere. All you ever wanted in an SQL Database Management System and more.

Specifications

Open Interface
- ANSI SQL-99 compliant
- ODBC 3.0 Level 2 support
- JDBC type I & II support
- ESQL/C preprocessor
- SQL stored procedure
- COBOL Interface
- Native OLEDB Provider

Security Management
- User- and group-level security
- Privilege management on both tables and individual columns
- Privilege management on stored commands and stored procedures
- Network encryption
- Access Control List

XML\JSON Support
- XML Transfer API
- XML export template tool
- XML import mapping tool
- XML Data Type
- JSON Data Type

Database Administration Tool
- Java-based database administration tool
- Database monitor for run-time status and historical statistics
- Data transfer tool
- Database diagnose and repair tool

Data Reliability
- Online and offline backup
- Online transaction processing
- Automatic online full, differential and incremental backup
- Automatic crash recovery and point-in-time recovery
- Automatic statistic updates
- Database consistency checking

Extended Relational Database Functions
- Trigger
- SQL, Java and C stored procedure
- Schedule Daemon
- User Defined Function
- Intelligent cost base optimizer
- Referential constraint actions

Full-text Search
- Built-in high performance text search engine
- Low requirement text search kernel
- Multi-language support
- Exact, near and fuzzy search

Storage Management
- Auto extend and regular table spaces
- Raw device support on UNIX
- Maximum database size of 256PB
- Read Only Tablespace
- User-defined page size

Distributed Database Management
- Distributed queries
- Two-phase commit
- Access to remote data objects
- Asynchronous/synchronous table replication
- Database mirror replication

Embedded Application Support
- Embedded database engine
- Read-only media application support

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System Requirements

Windows and UNIX
- Intel Pentium Pro or higher processor (for Win32 and Unix for x86)
- 200MB disk space recommended
- TCP/IP and Named pipe network protocol and supported network or dial-up adapter
- VGA or higher display
- CD-ROM drive

Platform Support

DBMaker's extensive cross-platform support and a unique open architecture supports continued growth to meet users' needs.
The DBMaker CD contains versions for the following platforms:
- Windows 32bit and x86_64bit (Windows 2008/7/8/2012/10)
- Linux 32bit (glibc 2.3) and x86_64bit (glibc 2.7)

DBMaker is also available for the following platforms upon request:
- Windows 32bit and x86_64bit (Windows 2000/XP/2003/Vista)