







The Embedded Systems Database™



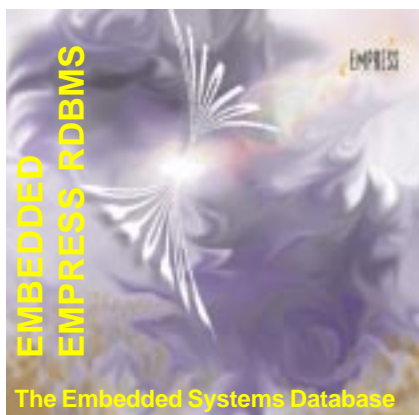
The Embedded Empress RDBMS adds a new dimension in power, intelligence, and performance to embedded systems applications.

EMBEDDED EMPRESS RDBMS

 <p>Network Management</p>	 <p>Internet Application Development</p>	 <p>Medical Systems</p>
 <p>Space Exploration</p>	 <p>CAD Imaging</p>	 <p>Tele-Communications</p>

The Embedded Empress RDBMS is successfully utilized in a wide range of applications.

The Empress Relational Database Management System is the database of choice for over 40,000 developers worldwide who require lightning fast management of universal data. The ANSI SQL Empress RDBMS is the core component of the Embedded Empress Developer's Toolkit, a comprehensive suite of application development tools that is unsurpassed in features, performance and reliability. For data intensive embedded applications on platforms ranging from UNIX workstations to Windows NT based personal computers, Empress RDBMS is the serious RDBMS for your application.



Embedded Empress RDBMS

The Empress RDBMS is designed with embedded systems in mind. The RDBMS engine is fast, has a small footprint, and embeds easily. You get the power and capabilities of a world-class SQL database—at a fraction of the cost of an Oracle, Sybase, or Informix.

Empress RDBMS Version 8 marks a new generation of Empress products with a host of Universal data and object based technologies for optimized embedded development. The Empress suites deliver one comprehensive database solution for the demands of a scientific application or growing business enterprise.

Empress offers:

- High-speed handling of specialty and bulk data types
- Object-like reusable components in the form of Persistent Stored Modules, triggers and stored procedures for reducing development time
- Interfaces which give you host-level access for greater control in database tuning
- Internet interfacing tools to create dynamic interactive database fed web pages or Intranet applications

Product Features and Benefits

- Small Footprint enhances use of RDBMS for embedded applications.
- Kernel and SQL Level Interface Routines allow multilevel control in the Empress layered architecture for increased database optimization and rapid prototyping.
- Fast Bulk Data Handling allows performance approaching flat file access speeds for binary objects (BLOBs).
- Bulk Chunks allow you to slice up a large binary objects into smaller segments. This lets you optimize your system performance vs. memory size, net band width, or disk access limitations.
- Unlimited Attributes and File Indexes optimize performance.
- Persistent Stored Modules cut down development time by providing the power to create unique reusable functions for data manipulation.
- Triggers and Stored Procedures are stored and executed directly on the server and enhance the efficiency of database applications by eliminating repetitive programming and making automation easier.
- No Database Pre-partitioning is required, thereby making optimal use of the native O/S file system.

- Referential Constraints and Range Checks ensure data integrity.
- Micro-Second Time Stamps allow you to store and retrieve the occurrence of real-time system events down to a millionth of a second.

On selected platforms, additional options include:

- JDBC Interface allows Java programmers to access the database using standard JDBC calls.
- C++ Host Language Interface call MR and MX routines directly from C++ programs.
- 64 BIT Operating System Enabled for storing and manipulating much larger data using the latest and fastest operating system technology.
- National Language Support allows different language character sets to be used at both the program and HTML file page level.

Embedded Empress Developer's Toolkit

Empress has packaged a unique set of database application development tools designed with the embedded system developer in mind.

The Toolkit includes:

- Empress RDBMS with "C" interface for enhanced performance tuning
- ODBC Server and Clients (Empress Connectivity™) for rapid data transfer
- Empress Dynamic SQL for embedding ANSI SQL statements in your C programs, for rapid prototyping
- Empress Internet Applications Development Kit (Empress Hypermedia™) for interfacing your database applications to the Internet or intranet.

Platforms Supported

Empress is available on all major UNIX and Windows platforms including:

- SUN w/Solaris
- HP w/HP-UX
- IBM w/AIX
- COMPAQ w/Tru64 UNIX
- SGI w/IRIX
- PCs w/WIN NT, WIN 2000, Linux, UnixWare, SCO OpenServer, as well as the QNX and Lynx real-time systems

Software and Hardware Requirements

The RDBMS requires for Development: 32 MB RAM, 150 MB disk, ANSI C compiler
Runtime: 800K RAM (min for RDBMS engine)

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