EMPRESS RDBMS
in Telecom and Networking

POWER OVER INFORMATION

The convergence of Internet, telephony and wireless technology changes the way we communicate, work and live. The present challenge of leading telecom and networking vendors is to provide systems with richer functionality at faster speeds and lower cost in order to meet constantly evolving market demands.

For telecom and networking vendors, accelerating time-to-market produces rapid recovery of development cost and increased revenue generation. One technique for faster time to market is to use component-based design for product development. Reusable modules and commercial off-the-shelf components like EMPRESS RDBMS are ready to be embedded as part of feature rich products. By using commercial components, valuable human resources are not wasted in reinventing and maintaining the same component functionality. Building intelligent devices becomes an easier and more straightforward task.

Reasons why EMPRESS RDBMS is utilized in telecom and networking applications:

- Rich toolset, rich data types and rich functionality for rapid development
- Flexible and configurable for application optimization
- Small footprint ideal for size constrained environments
- Predictable performance
- High reliability and consistency of data
- Embeddable as a single unified program that is robust and efficient
- Easy, straightforward and cost effective runtime licensing
- Continuous product development, deployment and life cycle support

Rich toolset, rich data types and rich functionality for rapid development

TOOLSET API's:

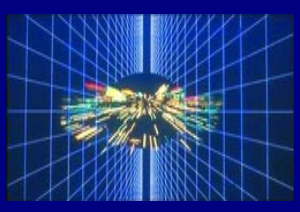
- DSQL and ESQL
- Interactive SQL and Java SQL
- C and C++
- JDBC
- ODBC
- Report Writer
- Third party product interfaces

EMPRESS DATA TYPES

- Character
- Text
- National Language Support
- Byte Stream
- Date and Time
- Microsecond Timestamp
- Decimal
- Dollar
- Real
- Float and Double Precision
- Integer - short, long, 64-bit
- Sequence

FUNCTIONALITY

- SQL support
- Kernel level C API





- Transactions
- Locking
- Indexing
- Timeseries Indexing
- Persistent Stored Modules
- Triggers and Stored Procedures
- Referential Constraints
- Range Checks
- MicroSecond Time Stamps
- Backup and Recovery
- Replication
- Audit trail Logging
- Unicode supports
- User Defined Functions
- Integrity Check
- Import and Export
- Shared Memory
- Batch Commands

Configurable for application optimization

- Stand-alone, client/server and distributed modes
- On-disk and in-memory capability
- Layered architecture accessible at 4 levels allows optimization and rapid prototyping
- Over 170 system variables for configuration, tuning and optimizing
- Customizable product footprint

Small footprint for constrained environments

- Minimum resource consumption for high functionality
- Small disk size that is customizable
- Small memory usage with usage limits

Predictable performance

- Fast database engine
- Minimum overhead
- Kernel level control and speed
- Direct access to database structures
- Deterministic response

High reliability and consistency of data

- 24x7 unattended operation
- Data integrity maintained
- Minimum storage/disk fragmentation

Embeddable as a single unified program that is robust and efficient

- EMPRESS can be linked with application in a single address space
- EMPRESS installation is embeddable into application installation procedure

Easy, straightforward and cost effective runtime licensing

- Choose from:
  - royalty based
  - one-time fee
  - yearly subscription

Continuous product development, deployment and life cycle support

- Empress Software technical support team of knowledgeable database experts deliver high quality, timely support

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EMPRESS Embedded Database: Reliable, Fast, Cost-Effective