

optimized **DATA MANAGEMENT**
to mobilize your business

Birdstep RDM XML 2.0

A true XML embeddable database designed for wireless applications requiring ultra small footprint, minimum runtime memory usage, and high performance. RDM XML is ideally suited for portable devices such as Smart Phones, PDAs, and Electronic Notebooks in an XML world.

Why Developers Choose Birdstep RDM XML

RDM XML 2.0 is tailored for efficient representation and queries of XML documents. RDM XML is a truly native database engine with W3C standard interfaces including DOM, SAX, and XPATH. Using a hierarchical underlying data structure, RDM XML provides high performance for search and information retrieval.

Mobilizing Business Critical Applications

Developers choose RDM XML for its true XML data storage structure. Because XML is a common standard for communication in the Internet, mobile devices must be able to store and retrieve XML data. RDM XML provides developers with a database using the XML standard that has been specifically designed for mobile devices. Some of the key features offered by Birdstep RDM Mobile 2.0 are the following:

- **Flexible hierarchical data representation**– Store any XML document.
- **SAX Interface** – Allows for textual XML data import and export

- **DOM Interface** – Adheres to the W3C standard. Navigation and manipulation of XML node objects in the database. The DOM interface reflects the dynamic changes in the database contents (called “liveness” in XML lingo).
- **XPath Support** – Efficient evaluation of search queries specified in XML Path language.
- **Transaction Handling** – Stability and consistency of data in the RDM XML database are assured through transaction handling implemented with full respect of the “ACID” database properties.
- **Multiple Operating Systems Supported** – RDM XML supports the common wireless operating systems including Windows CE and Palm OS.
- **Java Support** – A JNI will be available allowing developers to leverage the speed, performance and size of RDM XML with their Java applications.

RDM XML 2.0 is a true XML database perfect for mobilizing web services.

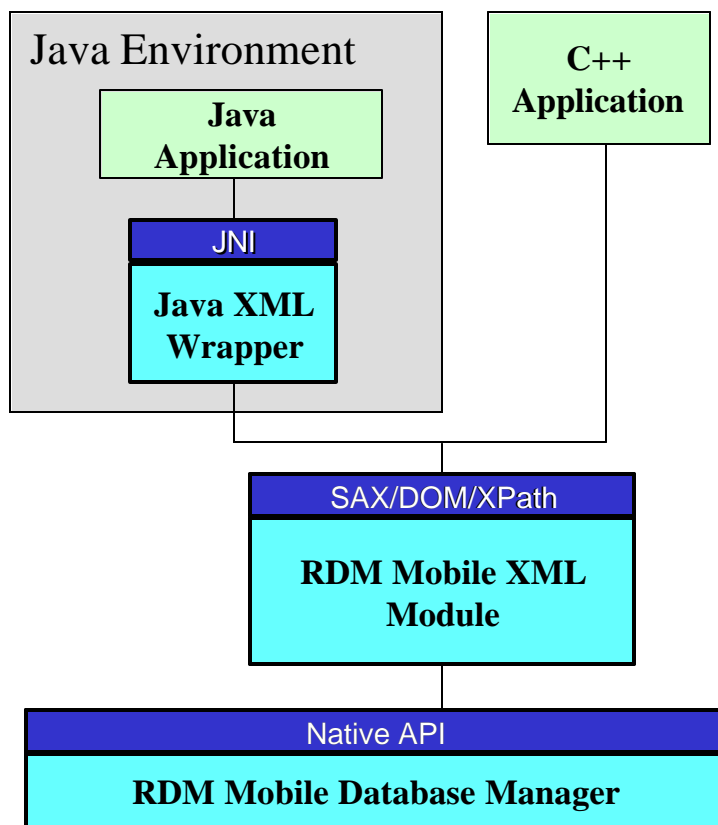


Figure 1: Overview of the RDM XML technology components.

With the RDM XML architecture, application developers can embed RDM XML in either C++ or Java application

Database Specifications

- Kernel Code Size: 400KB - 622 kB
- Low runtime memory requirements
- Object-oriented data model, hierarchical data representation
- 32k symbols of 64 Bytes for XML node and attribute names
- Transaction support
- Unicode support, UTF-8, UTF-16, Latin-1 and other encodings

Native Languages Supported

- C/C++
- Java

Standards Supported

- Document Object Model (DOM) Level 2 Version 1.0
- XML Path Language (XPath) Version 1.0
- Simple API for XML (SAX) Version 2.0

Operating Systems Supported

- Windows 98/2000/XP
- RedHat Linux 7.1/7.2/7.3
- Windows CE 3.0 Pocket PC 2000 & 2002
- Windows CE 3.0 Handheld PC
- Palm OS 3.5