

# EMC Documentum xDB OEM Edition

## The Big Picture

- Fastest and most complete native XML database
- Uses and supports all XML standards, enabling a powerful platform for managing data that surpasses traditional data management approaches
- Provides advanced XML data processing and storage functionality within applications
- Offers numerous features to help process XML in applications

## The fastest and most scalable XML database powered by open standards

XML databases (also called native XML databases) have functionality that significantly improves the management and manipulation of XML, a data format initially designed to facilitate the sharing of structured data across different information systems, particularly over the Internet. The XML format is a powerful tool that helps organizations express the structure of their complex or diverse content. XML also aids easy development of processing software and ease of authoring, making it ideal for companies seeking to develop flexible applications that can be tailored to customer needs.

XML databases benefit from standards developed by the World Wide Web Consortium (W3C). The standards create a powerful architecture for connecting XML data management services to commonly available application frameworks. The XML databases that use and support these standards provide capabilities not found in other database technology (such as relational databases), including efficient access, query, storage, and processing. XML standards and the databases that support them enable a powerful platform for managing even the most complex and demanding content applications.

### Advanced XML data processing and storage

EMC® Documentum® xDB OEM Edition is a powerful native XML database designed for software developers who require advanced XML data processing and storage functionality within their applications. xDB enables high-speed storage and manipulation of very large numbers of XML documents. Using xDB, programmers can build custom XML content management solutions and store XML documents in an integrated, highly scalable, high-performance, object-oriented database.

The comprehensive xDB Java API contains methods for storing, querying, retrieving, transforming, and publishing XML data. Unlike relational databases, xDB allows content schemas to be easily modified to adapt to changing information requirements; supports queries against complex data structures that are not easily modeled in rows and columns; and even supports automatic versioning of content and schemas. And with a powerful and extensible development and runtime toolset and integration with the leading enterprise content management system, xDB is a powerful platform for even the most complex and demanding content-centric applications.

### A reliable made-for-growth database

xDB is a reliable and made-for-growth solution for all your XML data storage needs. It offers fast access to every element of an XML document regardless of the number of concurrent users, the number of documents, or the database size. It can handle large documents as well as large numbers of documents. xDB supports load balancing and replication of databases over multiple machines.

## XML processing made easy

Processing XML in your applications has never been easier. xDB provides numerous features to help you, including:

- An XQuery engine for retrieving specific parts of a document
- A versioning mechanism for tracking differences within your XML data
- Various indexing methods to optimize access to frequently used XML data, and to enable full-text search
- A transformer and formatter for publishing XML data in XHTML or PDF
- An improved cache page replacement algorithm for enhanced performance

## Powered by open standards

xDB uses and supports all XML standards including XML 1.0, XQuery, XML Schema, XPath, XSL, XPointer, XLink, XUpdate, and DOM. These W3C standards can be used to access, search, process, and store XML data.

xDB support for XML standards delivers powerful benefits to content creation and delivery. For example, data can be captured, edited, and rendered throughout a heterogeneous environment. Additionally, documents can be created and managed to be reused in various user manuals and repurposed for different output formats in environments such as manufacturing. And in these environments with heavy document component sharing and reuse, the standards enable strong version control. The best news is: your current knowledge of XML standards makes xDB easy to use, so you'll be quickly up and running.

## Built-in dynamic publishing

Traditional content delivery systems have been static, with the same content pushed to all users regardless of their needs. Frustration with finding relevant content can challenge customer loyalty and limits up-selling or cross-selling opportunities. And, in these traditional systems, content can easily grow stale, which can lead to compliance and liability issues. Attempts to build dynamic delivery sites on relational databases often lead to scalability and maintenance problems.

xDB has the scalability, performance, and functionality to power high-volume dynamic sites that deliver highly relevant, targeted content. Modeling your content as XML allows you to capture its richness and depth, while making it easy to adapt your content models to changing business requirements.

## Easy to integrate

You can use xDB in various architectures such as stand-alone, client-server, and SOA. xDB runs on any Java-supported platform (JDK1.4 or higher) including Sun Solaris, HP UX, Linux, Windows, and Macintosh. To ensure smooth and rapid integration with existing applications and systems, xDB provides:

- An interface to relational databases
- Bridges to XML editors and full-text search engines
- Support for J2EE and WebDAV



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### Take the next step

To learn more about adding advanced XML data processing and storage functionality within your applications using xDB, visit [www.EMC.com](http://www.EMC.com) or call 800.607.9546 (outside the U.S.: +1.925.600.5802)