

IBM UniVerse

Highlights

- **Highly scalable, low cost data management system for SMB solutions**
- **Support for Web services protocols including XML and Simple Object Access Protocol (SOAP)**
- **Delivers exceptional scalability to meet the unpredictable challenges of on demand business**
- **Provides the performance and robustness necessary for highly available global computing**



IBM UniVerse allows businesses to leverage integrated capabilities across the IBM software portfolio.

Tuned for efficiency

In the face of ongoing economic uncertainties, your technology requirements have become more demanding than ever. You want solutions that offer not only high performance and ease of use, but also a fast ROI. IBM UniVerse® is such a solution, providing the capabilities you need to develop, enhance and deploy comprehensive business applications while reducing your IT costs.

UniVerse is an extended relational database designed for embedding in vertical solutions for the small to medium-size business (SMB) market. With intuitive data modeling and fewer resulting tables than traditional relational databases, UniVerse enables developers to create embedded solutions quickly and easily for a wide variety of markets. The product's rapid and real-world approach to application development and deployment minimizes time to market, saving money and helping you compete more effectively.

Standards-compliant and flexible, UniVerse:

- *Provides data access, storage and management capabilities across Microsoft® Windows®, Linux and UNIX® platforms.*
- *Features a native, record-oriented integrated development environment.*
- *Scales from the smallest workgroup to thousands of concurrent users.*
- *Allocates tablespace automatically and dynamically to optimize performance and minimize disk usage for maximum efficiency.*

Seamless Interoperability

UniVerse includes integrated database support for XML to support Web services standards for both incoming and outgoing communications. UniVerse also supports document object model (DOM) handling within UniVerse Basic.

UniVerse ships with Java™ Database Connectivity (JDBC), Open Database Connectivity (ODBC) and Microsoft OLE DB drivers for data access through standards-based tools. In addition, UniVerse includes native, high-performance interfaces via C, Java, Active-X and .NET.

Security

UniVerse supports Open Secure Sockets Layer (OpenSSL) to create secure communication channels for UniVerse-based applications. SSL is supported in UniVerse Basic programming interfaces as well as for Java technology-based and native interfaces. SSL provides server authentication, encryption and message integrity and, optionally, client authentication.

Native support for .NET

UniVerse provides several options for integration into the Microsoft .NET Framework. This flexibility allows you to build and deploy a wide variety of Web-based applications that work seamlessly with .NET, using standard, platform-independent protocols such as XML, SOAP and HTTP.

Additional tools

UniVerse developers can also benefit from the following complementary development tools:

- *IBM RedBack®—a scalable object-enabling infrastructure solution for N-tier development.*
- *IBM SB+ Server—the UniVerse and UniData® (U2) rapid application development and run-time environment for host-based, client/server and GUI applications.*
- *IBM SBClient—provides Windows desktop interoperability and a GUI for SB+ Server applications.*
- *IBM wIntegrate®—a terminal emulation and host-based application GUItization tool for creating modern user interfaces.*
- *MITs—third-party suite of tools for native MultiValue Online Analytical Processing and business intelligence.*

Hardware and software requirements

The UniVerse extended relational database solution runs on major hardware platforms running Microsoft Windows, Linux and UNIX. Please see the IBM U2 Product Availability Matrix at ibm.com/software/data/u2/support for more information.

The IBM advantage

The IBM software portfolio offers complementary products that integrate with and enhance UniVerse, including WebSphere™, Tivoli™ and DB2™ information management tools. UniVerse also leverages IBM software, including XML libraries and native Application Programming Interfaces, to access IBM WebSphere MQ, assuring seamless message delivery across disparate systems. And you can use standards-based and native interfaces to integrate with many WebSphere and DB2 information management tools.

In addition, RedBack abstracts UniVerse data and business logic as objects to leverage in development environments such as WebSphere Application Development Studio.

Moving forward, UniVerse will continue to exploit integration opportunities across the IBM software portfolio, to deliver the best solutions for your client.

For more information

Please contact your IBM marketing representative or IBM Business Partner, or call 1-800 IBM CALL within the U.S.

Also visit our Web site at:

ibm.com/software/data/u2/universe



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