IBM

DB2 Information Management Software

IBM DB2 Universal Database for Windows Version 8.1

Highlights

■ *Scalable from single CPU embedded database server to clusters of large SMP systems to handle any workload*

■ *Autonomic computing technologies to minimize or eliminate management tasks*

■ *Certified for Microsoft® Windows® Server 2003 Standard Edition, Enterprise Edition, and Datacenter Edition*

■ *Support for 32 and 64-bit*

■ *Native ADO.NET Managed Provider and tooling integrated with Microsoft Visual Studio®.NET*

Leverage your data in innovative ways.

Loaded with rich functionality, not expense
In today's data-driven business world, you want to leverage your information assets in new and innovative ways for competitive gain. But you can't afford to spend too much time or devote too many resources to managing your database. With IBM DB2® Universal Database™ Version 8.1, you don't have to. DB2 Universal Database (UDB) is easier to use and administer than ever, with new self-management capabilities that automate many of the tasks traditionally associated with maintaining an enterprise-class database. It continues to boast the price/performance that has made firm believers out of 450,000 companies and more than 16,000 IBM Business Partners. In fact, analyst firm Gartner Dataquest named IBM the worldwide leader in database management system software[1]. And it all comes at an affordable price and low total cost of ownership (TCO).

Built to achieve maximum benefit from Windows
In delivering a Windows version of DB2 UDB V8.1, IBM provides more than just a simple platform port. DB2 UDB for Windows exploits key capabilities of the Windows operating system. Earlier versions of DB2 UDB included integration with the Windows security model, Active Directory, and key administrative tools. Version 8.1 builds on this foundation and adds support for the Windows Server 2003 platform including the 64-bit architecture. In fact, DB2 UDB V8.1 is so well integrated with the operating system that it has earned the Certified for Microsoft Windows Server 2003 for the Standard, Enterprise and Datacenter Editions.

Certified for

Microsoft®
Windows®
Server 2003
Standard Edition
Enterprise Edition
Datacenter Edition

There's a DB2 UDB server right for you

DB2 UDB Edition	Installable on	Description
DB2 UDB Express Edition	Up to 2 CPU system	Full function database server designed to be embedded as a transparent part of a business solution
DB2 UDB Workgroup Edition	Up to 4 CPU system	Full function database server designed for deployment in small Server or departmental solutions with a per user licensing model
DB2 UDB Workgroup Edition	Up to 4 CPU system	Full function database server database in small or Server Unlimited departmental solutions with a per CPU licensing model
DB2 UDB Enterprise Server Edition	Any size system or cluster of systems	Enterprise class database server with full scale-up or scale-out capability. Also offers connectivity and integration of other enterprise DB2 and Informix® databases.

Manage your data, not your database

One of the key appeals of the Windows platform has always been ease-of-use. DB2 UDB V8.1 embraces this through both the integration with common Windows administration tools and by providing a rich set of tools like the Control Center, Configuration Advisor, Design Advisor, and Health Center to allow even novice users to deploy and manage DB2 databases. DB2 UDB also features the industry's most advanced query optimizer that auto-matically rewrites, tunes, and executes queries based on the operating environment without user intervention.

Your workload won't outgrow DB2 UDB

DB2 UDB V8.1 brings the performance and scalability features of enterprise relational databases to the Windows platform. In addition to cross-platform strengths like the advanced query optimizer, DB2 leverages Windows-specific capabilities to achieve the maximum performance on the platform. Examples of such integration include 64-bit support, SMP exploitation, processor affinity, raw I/O, and hyper-threading.

DB2 UDB is well positioned to take advantage of the ever increasing capabilities of the Windows and Intel platform both in terms of scale up and scale out capabilities. DB2 UDB lever-ages the technologies and experiences developed from years of running on large systems to support the new highly scalable Intel based systems now available. DB2 UDB also provides the option of almost unlimited scalability through shared nothing clustering. DB2 UDB's implementation allows a single database image to span the nodes of a cluster with automatic distri-bution of data to new nodes as they are added for scalability.
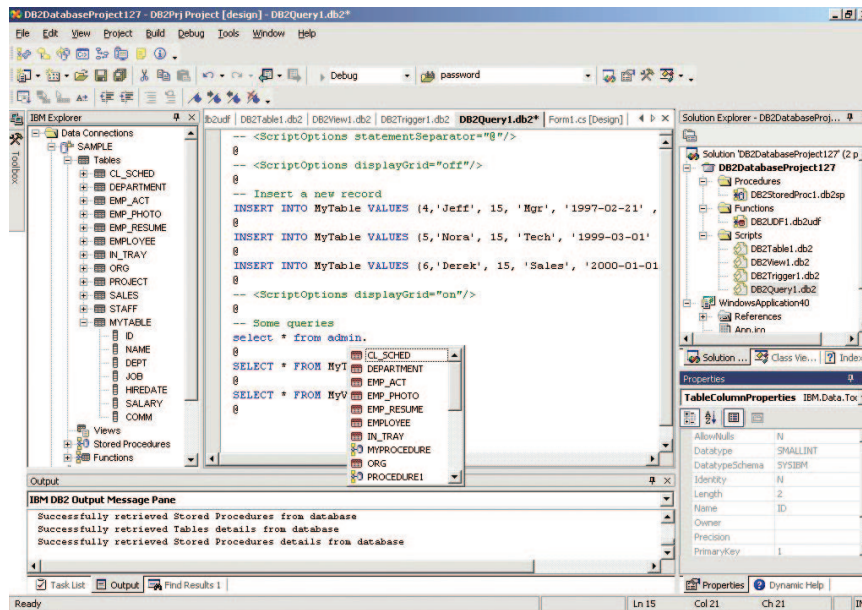
Won't let you down

DB2 UDB has been recognized for providing a very resilient data man-agement regardless of platform. The Windows version is no exception. To protect your information assets DB2 UDB integrates into the Windows security model to control access to the system and minimize the administrative effort. Further, DB2 UDB provides features like on-disk data encryption to prevent unauthorized access to the data.

In addition to capabilities that provide data integrity, reliability, and consis-tency, DB2 UDB V8.1 provides data availability in the event of system failure. DB2 UDB fully supports the Cluster Services capabilities of Windows Server 2003 Enterprise and Datacenter server to provide failover capabilities of DB2 in active-passive or active-active configurations.

Developer productivity with the tools you love

When developing applications based on DB2 UDB, programmers can maximize their productivity by utilizing an extensive toolkit available with the

To further simplify the task of developing for DB2 UDB, IBM enables integration with a number of leading development tools and technologies. Among them and new to DB2 UDB V8.1 is support for Microsoft .NET.
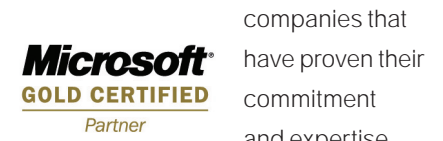
Who'd have thought IBM and Microsoft could work together?

IBM strives to deliver a version of DB2 UDB that offers the best possible integration with Windows. Our efforts have earned DB2 UDB V8.1 membership in the Microsoft Gold Certified Partner Program for Software Products. This Microsoft program identifies companies that have proven their commitment and expertise in developing software applications based on Microsoft technologies. IBM DB2 and Microsoft interact at both the technical and marketing levels to achieve maximum integration of our products.

DB2 UDB development tooling seamlessly integrates with Visual Studio .NET

Personal Developer's Edition and the Developer's Edition. In addition, the DB2 Development Center environment helps simplify the process of building stored procedures, UDFs and triggers, and also helps with the development, debugging, testing and deployment of these application objects for DB2 UDB.

This includes a native ADO.NET managed provider and a complete set of tooling that integrates into the Visual Studio .NET development environment to simplify development of both client and server side application logic.

IBM DB2 UDB is a member of the Microsoft Visual Studio .NET Integration Program which provides access to the tools, technologies and resources to maximize the integration.

For more information

Please contact your IBM marketing representative, an IBM Business Partner or call 1-800 IBM CALL within the US. Also visit our Web site at **ibm.com**/ software/data/db2/windows

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