



# IBM DB2 UDB and Dassault Systèmes: A partnership to your advantage

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## Highlights

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**Make the most of leading-edge technology enhancements, optimized performance, easy installation and administration by combining IBM DB2® UDB with your CATIA® and ENOVIA™ solutions**

**Extend all the best features of DB2 to your CATIA model files without having to move them into the database using exclusive DB2 Data Links Manager technology**

**Benefit from tight integration between products, thanks to the IBM/Dassault Systèmes technology partnership—backed by CASIL Lab testing and validation**

**Save time with convenient “one-stop shopping”—IBM is your single source for Dassault Systèmes and IBM software, hardware, service and support**

## Maximizing CATIA and ENOVIA with IBM DB2 UDB

If you are in a manufacturing or process-oriented industry, then chances are you rely on—or can benefit from—the comprehensive set of CAD/CAM/CAE (CAx) and PDM II solutions from Dassault Systèmes. With more than 100,000 individual users worldwide, Dassault Systèmes products help you manage and expedite the entire development process from concept to finished product—and throughout the product life cycle.

## A synergistic solution

Today, the database is becoming an increasingly important part of many CAx—and especially, PDM II—environments. PDM II incorporates traditional product data management (PDM) functionality with new functions for Virtual Product Development Management (VPDM). As your business evolves toward this enhanced environment of digital product and manufacturing simulation, you'll need an advanced database to manage the volume of data—and complex data relationships—PDM II requires. So why not choose the one that's best suited to the Dassault Systèmes products you base your business on?



*Integrated navigation and review tools enable users of CATIA to “fly through” 3D digital mock-ups early in the design cycle.*

DB2 Universal Database (UDB), the award-winning data management system from IBM, provides a powerful complement to Dassault Systèmes solutions. Over the years, IBM and Dassault Systèmes have forged a strong technology partnership, with the two companies' development teams working together so you can best benefit from the tight integration between DB2 and Dassault Systèmes applications—CATIA for CAx, and ENOVIA for PDM II. In fact, dedicated IBM DB2 development personnel onsite at Dassault Systèmes ensures an open dialogue and joint participation in future technology enhancements.

Thanks to these combined development efforts, both IBM and Dassault Systèmes have enhanced their products with leading-edge technology that maximizes the combined product solutions, offering specific benefits in today's CAx and PDM II environments. These include optimized performance, easier installation and administration, plus unique features such as new DB2 Data Links Manager technology, which allows you to link your CATIA model files to the database—without having to store them in it.

IBM stands behind its goal of seamless integration with the CATIA/AIX® System Integration Lab (CASIL). CASIL performs testing and validation of configurations of IBM hardware with IBM and Dassault Systèmes software—featuring DB2—so you can rest assured that every component works together *before* you invest—and when you're ready to migrate.

What's more, making DB2 UDB your database choice means you can enjoy true "one-stop shopping." Since IBM is your source for Dassault Systèmes software, you can deal with *one vendor* for all your hardware, software and service needs. IBM even offers a total DB2/CATIA solution with everything you need on one preconfigured, easy-to-install CD. And best of all, should you encounter any problems, you can count on *one source* for service and support.

### **DB2 Data Links Manager: The critical link**

Now, there is a totally new—and very compelling—reason to make IBM DB2 UDB your database choice: exclusive DB2 Data Links Manager technology. The result of over a decade of IBM research, DB2 Data Links Manager is revolutionary software that extends DB2's robust data management capabilities to your CATIA models stored in external operating system files—without having to move them into the database. DB2 Data Links Manager provides the critical link, maintaining the consistency of the relationship while you enjoy the benefits and flexibility of keeping your models in native files. Using IBM DB2 UDB with DB2 Data Links Manager in your Dassault Systèmes environment, you can:

- Store model files in close proximity to the application to maximize application performance
- Eliminate time and expense, since the database won't have to transform files into or out of DB2 format each time a model is read or written
- Use all existing applications and utilities that work with the file paradigm on your models
- Use any file system on UNIX® or Windows NT®
- Make the most of combined industrial-strength data management technology *and* file management technology

DB2 Data Links Manager was described as a leading and competitive technology by the Gartner Group. With DB2 Data Links Manager, your file systems can make the most of these DB2 UDB advantages:

- Logical data consistency—For example, an engineer cannot accidentally delete or rename a model file that is referenced by the database
- Transaction consistency—If a transaction is rolled back into the database, the link to the appropriate version of the model file at this site would be maintained
- Security and access control to model files based on DBMS permissions
- Backup and recovery of model file data in conjunction with its associated database data—DB2 Data Links Manager makes the process more automatic and less administrator-intensive

And there's more: *When you choose IBM DB2 UDB, you are not only choosing a product that has garnered an impressive array of awards, you are choosing the company that invented relational database technology.*

### **Learn more today**

To learn more about IBM DB2 UDB, the database that offers true integration with CATIA and ENOVIA, visit our Web site at [www.software.ibm.com/data/db2](http://www.software.ibm.com/data/db2) or contact your IBM sales representative.



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