

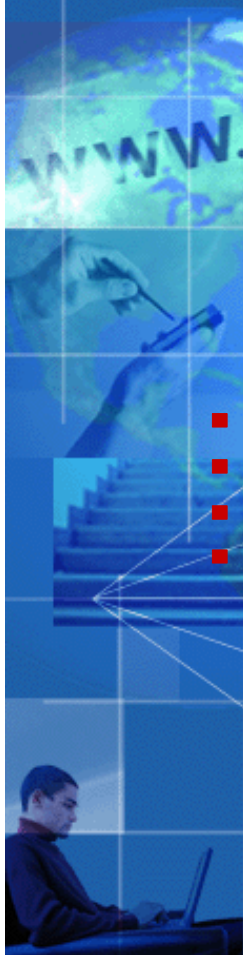


DB2 integrates the e-business infrastructure...

DB2's newest release expands its role in enabling the e-business infrastructure....

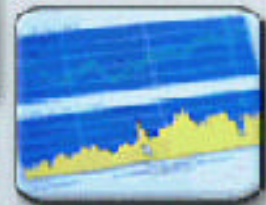
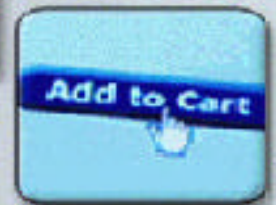
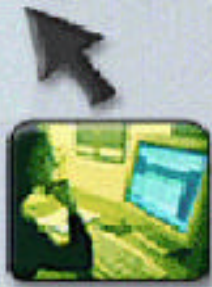


e-business evolution



- New work styles
- Improve timeliness
- Reach new customers
- Connects people at the right time

Pervasive Innovation



- Process driven systems
- e-marketplaces
- Virtual enterprises
- Expert organizations
- Global optimization

Business Application Integration

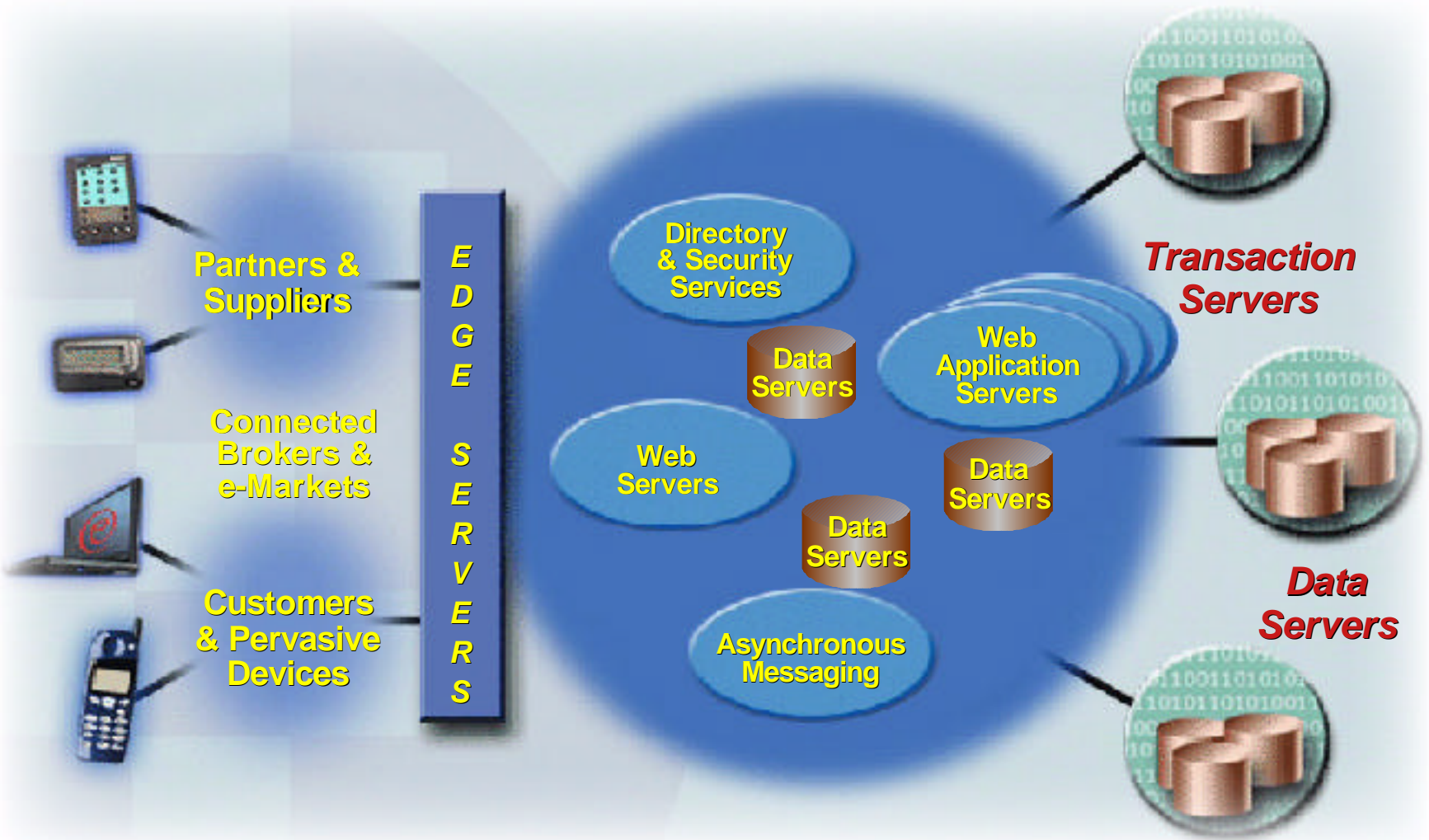
- Electronic commerce
- Customer relationship management
- Supply chain management

Islands of Web Applications





The e-business infrastructure



Seamless flow of information

- ➔ **Software server integration**
- ➔ **Information integration**
- ➔ **Content management**



DB2 Evolution

- ▶ Universal Access
- ▶ Universal Application
- ▶ Universal Extensibility
- ▶ Universal Scalability
- ▶ Universal Reliability
- ▶ Universal Management

7.2

- High Availability enhancements
- LINUX coverage and scalability
- Very large memory exploitation
- WebSphere integration
- Relational Connect Improvements
- Improved migration paths from Oracle, SQL Server, and Informix
- Warehouse and Content Management improvements

7

- Integrated Warehousing
- Integrated OLAP
- Federated databases
- Native OLE DB client
- XML extender
- Spatial extender
- Abstract Data Types
- SQL stored procedures

6

- DB2 for Linux
- DB2 Satellite Edition
- Ease of use
- Ease of application development
- Performance

5

- SMP and MPP parallelism
- Data Links Manager
- SQLJ
- Initial OLAP SQL

2

- Multiple platforms
- Capacity and performance
- JDBC
- UDTs, UDFs, LOBs

- OS/2 and AIX platform
- Low-end OLTP



At a glance...

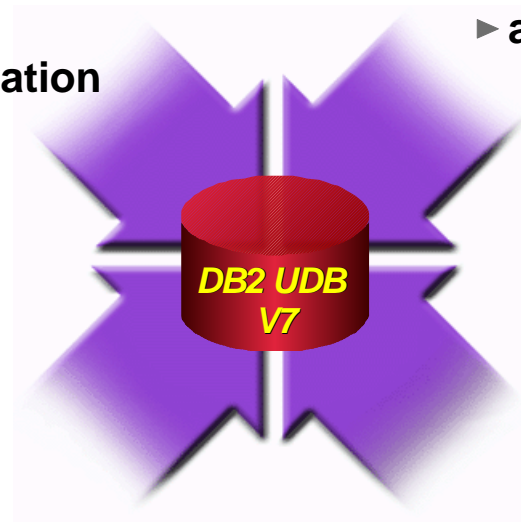
...DB2 Universal Database Version 7

Redefining the foundation for e-business

- ▶ 1st integrated in-memory db text search for e-commerce
- ▶ Deep XML integration for B2B
- ▶ Federated data access for e-business data
- ▶ Windows 2000 integration
- ▶ and more...

Extending business intelligence leadership

- ▶ Integrated to start fast and grow
 - Data Warehouse Center
 - DB2 OLAP Starter Kit
- ▶ and more...



Making it easy to deploy e-business solutions

- ▶ 1st Ind. Std. Stored Procedures
- ▶ Migration tools, offerings
- ▶ Skill base continues to grow

Partner momentum accelerating

- ▶ ASP, ISP, WI and Linux
- ▶ B2B, CRM, ERP, Commerce
- ▶ Tailored programs, and terms

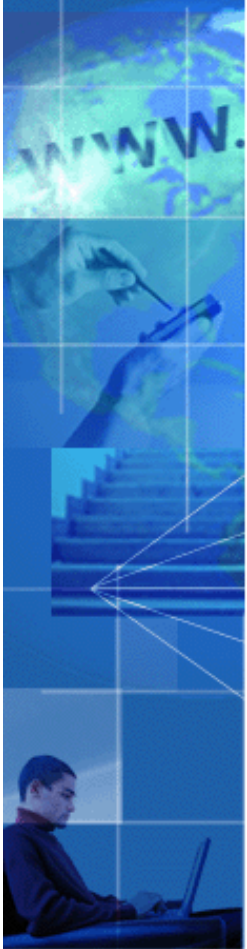


June Announcement

DB2's newest release expands its role in enabling the e-business infrastructure.

New partnerships and programs expand the applications and skills available for DB2.

DB2 continues to provide the lowest cost of ownership in the industry.



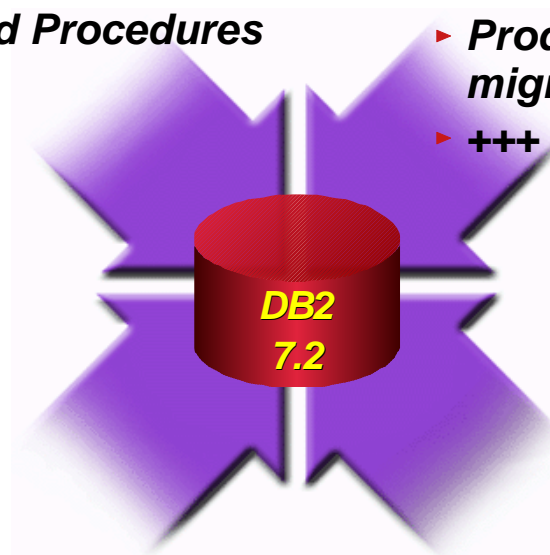
IBM DB2 V7.2 - at a glance

Web application integration

- ▶ *DB2 Messaging enables appl. integration, automated publication & warehousing*
- ▶ *DB2 Web Services expose DB2 XML Extender & DB2 Stored Procedures as web services*
- ▶ +++

Productivity & migration tools

- ▶ *DB2 Now! program eases migration effort & expands toolkit*
- ▶ *PeopleSoft migration promotion cuts cost in half*
- ▶ *Product enhancements ease migrations*
- ▶ +++



**Available
June 8,
2001**

Information integration

- ▶ *DB2 Relational Connect expands transparent, optimized access to Informix, MS SQL Server & Sybase*
- ▶ *Application specific extractors speed deployment of SAP, i2 & WebSphere Site Analyzer warehouses, Life Sciences*
- ▶ +++

Foundation enhancements

- ▶ *Availability enhancements reduce outage impacts as much as 85%*
- ▶ *Windows 2000 DC & Linux 2.4 kernel exploitation boost scalability*
- ▶ *New benchmarks demonstrate x-platform, x-workload leadership*

10/03/01



Integrating the e-business infrastructure

web application enablement

new DB2 features enable an easily integrated, standards-based e-business infrastructure supporting innovative applications.

- ▶ **DB2 Messaging supports innovative applications and real-time warehousing.**
 - Seamless messaging and database access with DB2 & MQSeries
 - MQSeries integration supports near real-time warehousing
 - Extends existing WebSphere & MQSeries integration

- ▶ **DB2 Web Services enable dynamic e-business.**
 - SOAP access to DB2 XML Extender and DB2 Stored Procedures
 - IBM UDDI Business Registry implemented on DB2

- ▶ **and more...**



Integrating the e-business infrastructure...

information integration

expanded sources enable transparent, optimized access to all information.

*Optimized,
Transparent,
Heterogenous,
Access*

- ▶ **DB2 Relational Connect expands transparent and optimized access to e-business information.**
 - Now includes Sybase, Microsoft, & Informix in addition to DB2 & Oracle
 - ▶ Complements DB2 OLE DB consumer/provider support & DB2 DataLinks
 - Federated sources can be included in DB2 Stored Procedures
- ▶ **Pre-built connectors deliver immediate BI value**
 - DB2 Warehouse Manager Connector for the Web
 - DB2 Warehouse Manager Connectors for SAP R/3 & i2 BPI TradeMatrix
 - DB2 Life Sciences Connector
- ▶ **New warehouse management features cut effort in half**
 - ERwin metadata import
 - Standards based metadata interchange - Common Warehouse Metamodel



Integrating the e-business infrastructure...

**productivity
& migration**

DB2 advances speed and ease migrations, development and management.

▶ **DB2 Now! program speeds migration to DB2**

- Offerings available for Oracle, Sybase, Microsoft & Informix migrations
- New Sybase migration tool expands existing tools & offerings
- Product enhancements ease migration
 - ▶ Oracle sequence objects, Statement level isolation levels, SQL PL debugging tool enhancements...and more

**Over 1,000
companies
have chosen
DB2 over
Oracle**

▶ **Management enhancements provide flexibility and ease-of-use.**

- Numerous enhancements ease DBA tasks
 - ▶ backup to named pipes, close active log file on demand, store procedure archive files...and more





Customer momentum... switching to DB2

- Bayer (Oracle to DB2)
- Brown Brothers Harriman (IDMS to DB2)
- Cellnet (SQLServer to DB2)
- Dept of Veteran Affairs (Informix to DB2)
- DaimlerChrysler (Oracle to DB2)
- Deutsche Telekom (Informix & Oracle to DB2)
- Hannaford (Informix to DB2)
- Japanese Railway (Oracle to DB2)
- Lansing Linde (VSAM to DB2)
- Merrill Lynch (Sybase, IDMS to DB2)
- SpotOn.com (Oracle to DB2)
- WarrantyNet's (Oracle to DB2)

**Over 1,000
companies
chose DB2
over Oracle**

- ✓ **Experience**
- ✓ **Skills**
- ✓ **Methodology**
- ✓ **Tools**

- Coastal Corporation (Oracle to DB2)
- DST Systems (Datacom to DB2)
- Employment National (Sybase to DB2)
- GeoTask (Informix to DB2)
- iGO.com (Oracle to DB2)
- State of Calif., Health Svcs. (Adabas to DB2)
- San Mateo County (VSAM to DB2)
- Shaw Industries (Sybase to DB2)
- Wisconsin Gas (IDMS to DB2)

and more...www.ibm.com/software/data/db2/migration

10/03/01





Integrating the e-business infrastructure...

foundation

DB2 enhancements provide a highly available, scalable, secure foundation for e-business applications.

► Availability enhancements help DB2 support round-the-clock e-business, e.g...

- Incremental backup enhancements, split mirroring, Stored Procedures online update minimizes planned disruptions.
- Log mirroring and parallel forward recovery minimize restart after unplanned outages.

► Scalability enhancements further support e-business spikes and volumes, e.g...

- Windows 2000 Datacenter exploitation - larger SMPs & clustering
- Large memory exploitation for Windows
- 64 bit support extended to AIX, HP-UX & Sun Solaris
- 2.4 Kernel exploitation

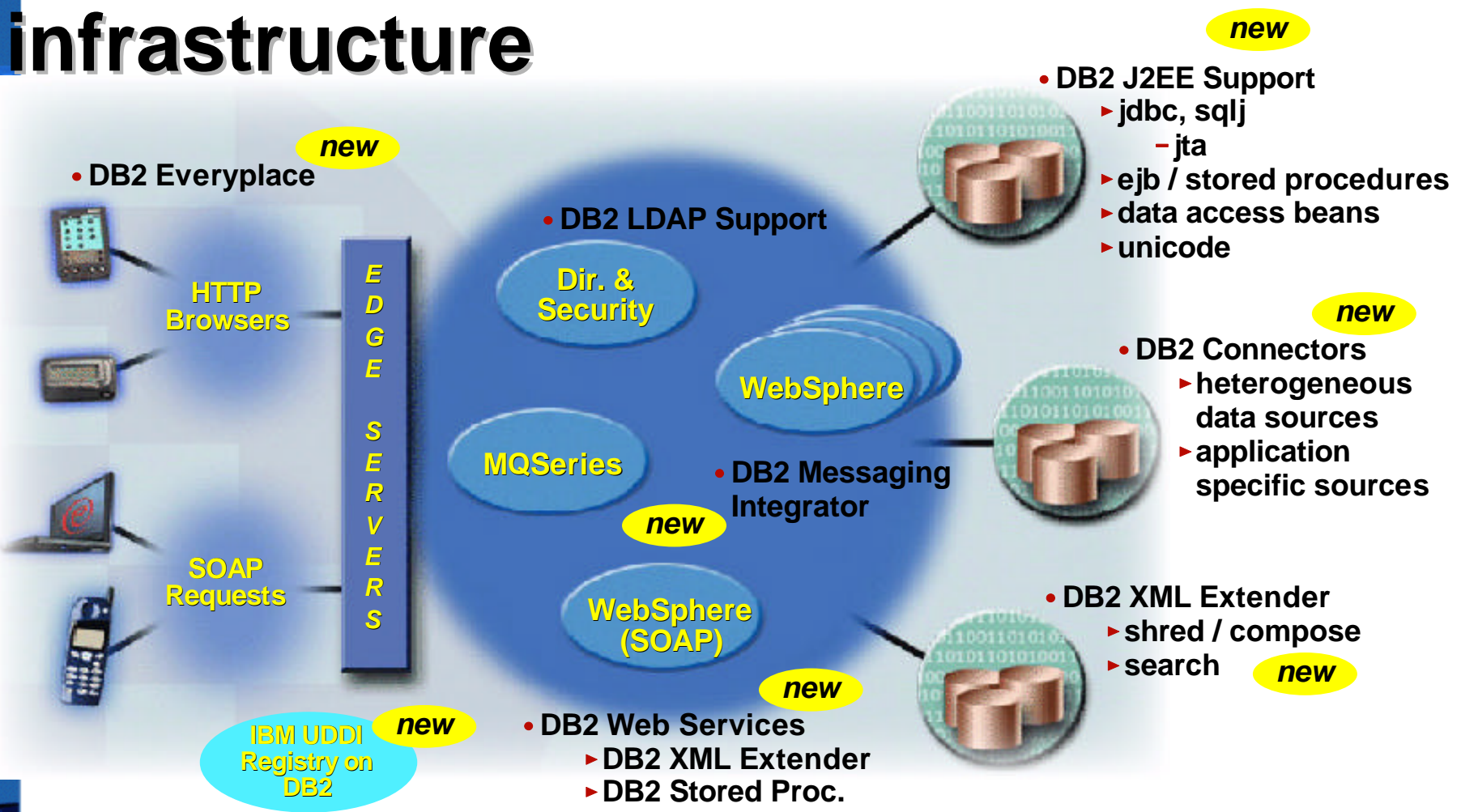
"We also like DB2 for its high availability, ease of administration and cost effectiveness. When you're managing a directory of 25,000 international merchants selling more than 30 million products, you need an infrastructure that keeps you up and running all the time."

Jean-Marc Potdevin, Kelkoo.com





DB2 & the e-business infrastructure



- e-business infrastructure integration with WebSphere & MQSeries
- DB2 Web Services for services oriented architectures
- XML & federated data integration
- Scalability and availability - across platforms

**easy, flexible
deployment of
innovative
applications.**





Today's announcement

New partnerships and programs expand the applications and skills available for DB2.



business



Partner momentum continues...

partnerships & skills

DB2 is the industry's data management partner of choice giving customers their choice of the best applications.

- ▶ **Partner momentum grows**
 - >44% of distributed revenues - 122% yty growth
- ▶ **DB2 applications & partnerships jump**
 - now over 13, 000 partners and 24, 000 applications
- ▶ **Over 50% of DB2 Version 7.2 line items were driven by partner requirements**
- ▶ **DB2 skill base grows:**
 - >10,000 downloads / mo. - Fastpath for Experienced DBA self-study course





IBM

"...IBM offered us DB2 and gave us everything we needed at a sixth of the cost of the Oracle solution..."

...For me, IBM represents quality, support and real value; I cannot say that about Oracle. The choice was simple."

Niall Tallon, Managing Director, IC-3

DB2 continues to provide the lowest cost of ownership in the industry.





Cost of ownership...

cost of ownership

DB2 provides the industry's best cost of ownership for data management solutions - function, performance, price & ease...

- ▶ DB2 continues to be 1/3 the price of Oracle.
- ▶ Leading benchmarks results drive performance and help lower cost of operations.
 - ▶ #1 TPC-W @ 100,000 items
 - ▶ #1 TPC-H 100GB, 300GB & 1TB
 - ▶ #1 PeopleSoft General Ledger results
 - ▶ #1 SAP SD on Linux
 - ▶ #1 SAP SD 4x, 8x on Windows
 - ▶ #1 i2 IFS on AIX
- ▶ Enhancements in migration, application development & management continue to improve productivity

#1
*x-platform,
x-workload*



A vertical sidebar on the left side of the slide contains several small images: a globe with 'WWW' text, a hand holding a pen, a staircase, and a person working at a computer.

**DB2's newest release
extends leadership in
support of the e-business
infrastructure.**

**New partnerships and
programs expand the
applications and skills
available for DB2.**

**DB2 continues to
provide the lowest cost
of ownership in the
industry.**

for more information:

www.ibm.com/software/data/launch



DB2 integrates the e-business infrastructure...

...DB2's newest release expands its role in enabling the e-business infrastructure....

