



IBM Software Group

Informix Interoperability: How IBM SWG Products Enhance Your Informix Environment

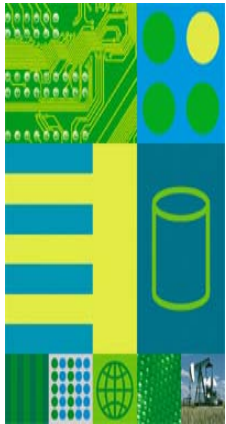
DB2 Information Management Software



@business on demand software

Gary Proctor
IDS Senior Development Manager
IBM WW DB2 Information Management Solutions

Message to Informix Clients and Partners

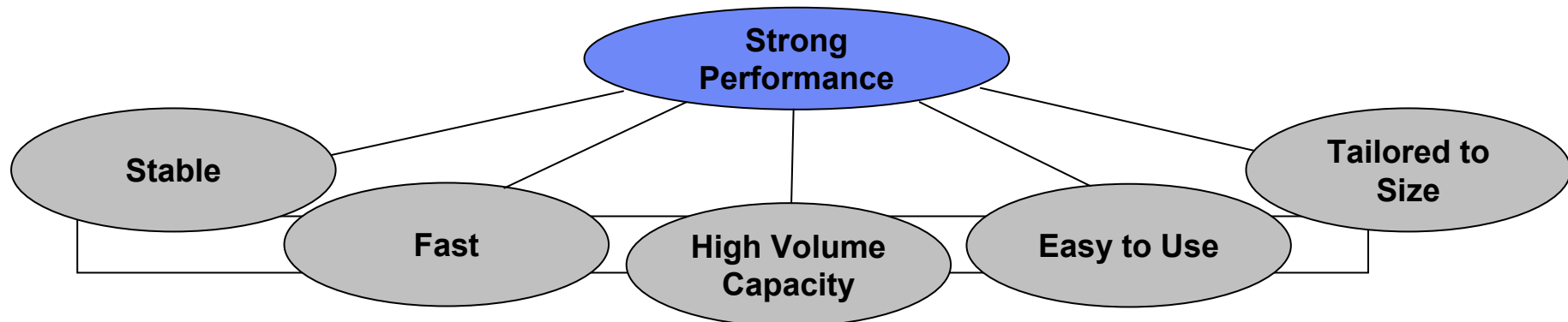


Your existing Informix database investments will be protected and you will be able to take advantage of evolving technology

- IBM continues to enhance and support Informix Dynamic Server 9.x. There are no end of life plans for IDS 9.x.
- IDS is IBM's strategic database for enterprise level embedded solutions
- IBM will ensure the ability to leverage your existing investment through integrated, cost effective and competitively based offerings with other IBM Software Group products
- Existing 4GL skills can be leveraged in a modern application development environment by using EGL and WebSphere Studio going forward
- For current Informix customers who are considering a move, ***move only when the result is better for you*** and consider DB2 for overall value advantage.

Product Satisfaction Is High

- The majority of Informix clients and partners are satisfied with the capabilities of the product.
 - ▶ Source: end 2003 Summary of worldwide market research done periodically by IBM since IBM acquisition in 2001, 644 respondents in total.
- Informix Products have benefited from IBM's development process, quality standards and technology sharing



IBM WebSphere Software Platform

WebSphere Portal

A single point of personalized interaction with applications, content, processes and people

Optimize Operations

WebSphere Commerce

Powerful sell- and buy-side solutions to handle the challenges encountered in customer and trading partner environments

WebSphere Business Integration

Software that delivers end-to-end integration through five proven capabilities: model, integrate, connect, monitor and manage

WebSphere Everyplace

Software for extending e-business applications to mobile devices

Business Portals

Business Integration

WebSphere

WebSphere MQ

Software to connect internal and external applications to exchange information reliably and securely

WebSphere Voice

Software for enabling natural voice interactions with applications and data

Foundation & Tools

WebSphere Studio

An open comprehensive development environment for building dynamic e-business applications

WebSphere Application Server

A high-performance and extremely scalable transaction engine for dynamic e-business applications

WebSphere Host Integration

Software to leverage and extend legacy assets for new e-business solutions

IBM WebSphere Application Server Family

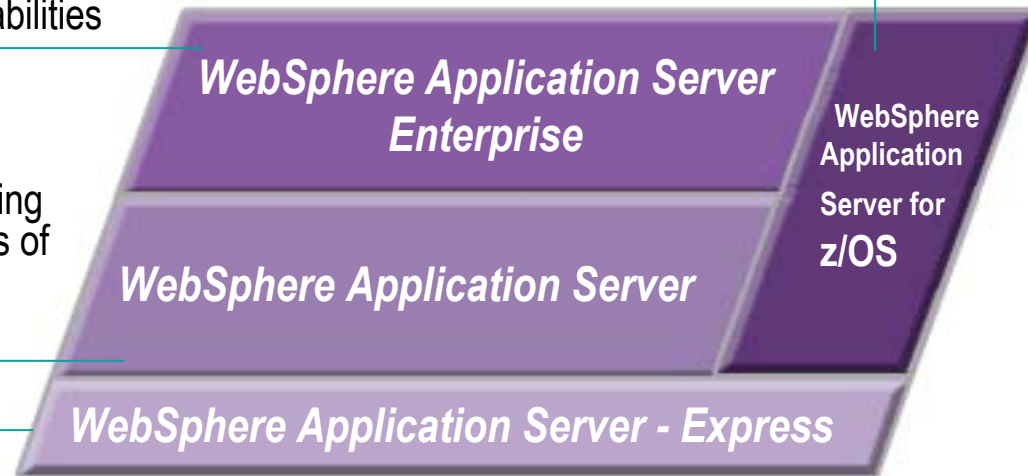


A high-performance and extremely scalable transaction engine for dynamic e-business applications

A next generation application server that simplifies **build-to-integrate** tasks, accelerates application development and enables real-time adaptable capabilities

A J2EE certified configuration optimized to the unique qualities of service provided by **z/OS**

The **mainstream** Web services J2EE certified application server enabling industry leading qualities of service and flexible deployment options



An easily approachable “**on-ramp**” to e-business, providing fast and productive development, deployment of dynamic web applications



WebSphere Portal: Example of Collaboration

Delta Pacific Bank Welcome Cathy Robins! | Edit my profile | Help | Log off

Home | HR | **Collaboration Central** | Working Campus | Help Desk

Collaboration Center
Helping

Collaboration Tools

- Reservations
 - Conference Rooms
 - Teleconference

My QuickPlaces

Lotus Web Conferencing

Find Meeting | Schedule Meeting

To find an unlisted meeting, type the exact meeting name.

Active Meetings 1-2 of 2

09/17/2002

11:00 am [Review BBB report with Jane](#)
■ Cathy Robins

[Project Update Meeting](#)
■ Marie DePaul

1-2 of 2

My Team Workplaces

View | Advanced Search | New

Search My QuickPlaces

My QuickPlaces 1-5 of 12

Title	Updated
Prospects QuickPlace	09/17/2002
BBB Acquisition War Room	09/16/2002
Acquisitions Board	08/29/2002
Project Manager Resource	08/13/2002
NewCard Acquisition	07/14/2002

1-5 of 12

People Finder

Advanced Search

Search in:

Search for:

PeopleFinder

[Advanced Search](#)

My e-Meetings

My Calendar

September 2002

17 Tu [11:00 am Project Update](#)
 Location: e-meeting

18 Wednesday [01:00 PM BBB Review Team Meeting](#)
 Meeting Location: conference call

03:00 PM [Project Update](#)
 Location: NY 5661

Lotus Sametime List

- Work
 - Gerald Brett
 - Mary LaRose
 - Dave Connolly
- Prospects
 - Brenda Churchill
 - Cathy Robins
 - Fred Hull
 - Joy Murray

Sample Place:
Connects the dots for the customer

My e-Meetings

PeopleFinder

IDS and WebSphere MQ

■ MQSeries Transactional Support

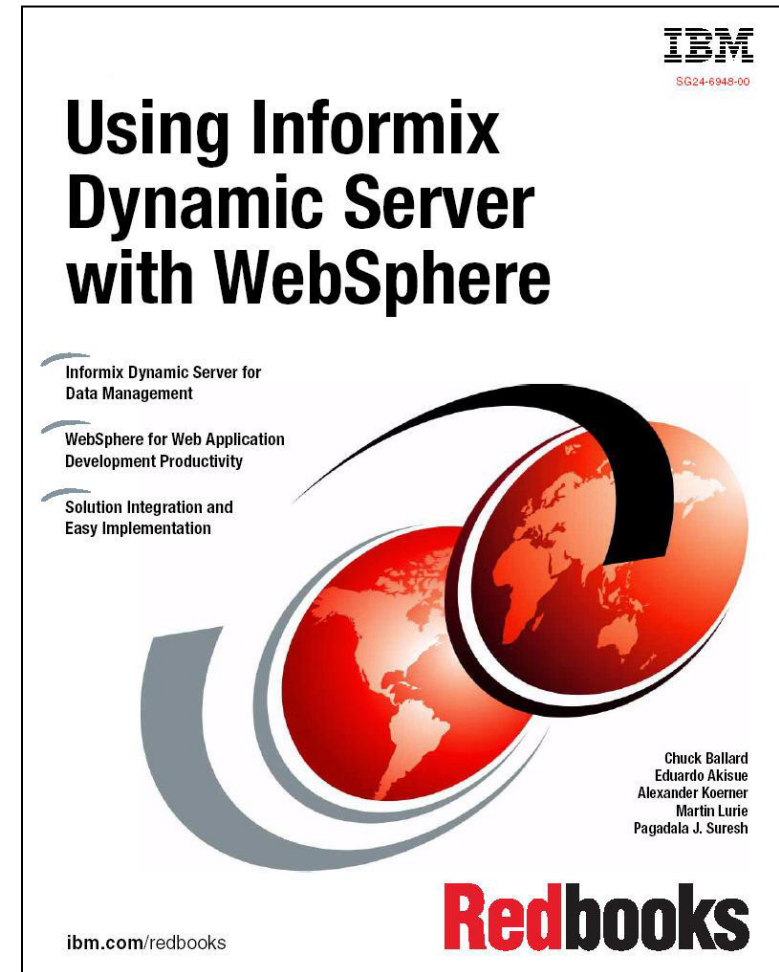
- ▶ Supports the coordination of IDS 7 & 9 servers from MQSeries in an XA environment
- ▶ MQSeries acts as an XA transaction manager and IDS as an XA resource manager
- ▶ Limited platform availability: for IDS initially AIX

■ IBM Informix MQSeries DataBlade

- ▶ New MQ API for IDS 9, modelled after an existing DB2 MQ API
- ▶ Allows an Informix application to easily interact with an MQ based infrastructure
- ▶ Additional Virtual Table Interface (VTI) support for simple SQL- /Table-based access to MQ queues!
- ▶ Initial version now available via IBM Alphaworks

The First IBM Informix **Redbook**!

- Covers all IDS / WebSphere Topics
- Lots of step-by-step examples (example code downloadable)
- Based on Linux and Windows platforms
- Available Now!
- Download at:
<http://www.ibm.com/redbooks>
- **Red**book ID: SG24-6948



WebSphere software

IBM Informix and WebSphere Bundles

- IDS and WebSphere Application Server provide an open services infrastructure that lets you deploy a core operating environment for a reliable foundation capable of:

High scalability

Secure transactions

Web services

- IDS and WebSphere Studio Application Developer offer a robust application development environment that lets you respond quickly and efficiently to business needs through new e-business applications.

Informix + WebSphere

Flexibility, Options, Efficiency → Reduced Costs!

***Secretaria de Finanzas
Gobierno del Estado de
Jalisco***



- **Web-based tax collection system**
- **Needs: resiliency, 24x7 availability, ease of use, open standards**
- **Solution:**
 - Web portal based based on IBM WebSphere Application Server on Linux
 - IBM Informix Dynamic Server
 - IBM Informix SQL, ESQL/C, MaxConnect
- **Value:**
 - Significant cost reduction
 - More efficient tax collection
 - Convenience and speed lead to increased customer satisfaction
 - Current solution allows for future expansion

WebSphere software

IBM Informix and WebSphere Bundles

- Enterprise Bundle
 - IDS 9.4 Enterprise Edition Unlimited
 - WebSphere Application 5.0.2
 - WebSphere Studio Application Developer 5.1
- Enterprise Trade-up
 - Includes IDS 9.4 EE Unlimited Trade-up From 7
- Workgroup Bundle
 - IDS 9.4 Workgroup Edition
 - WebSphere Application Server Express 5.02

Why Tivoli?

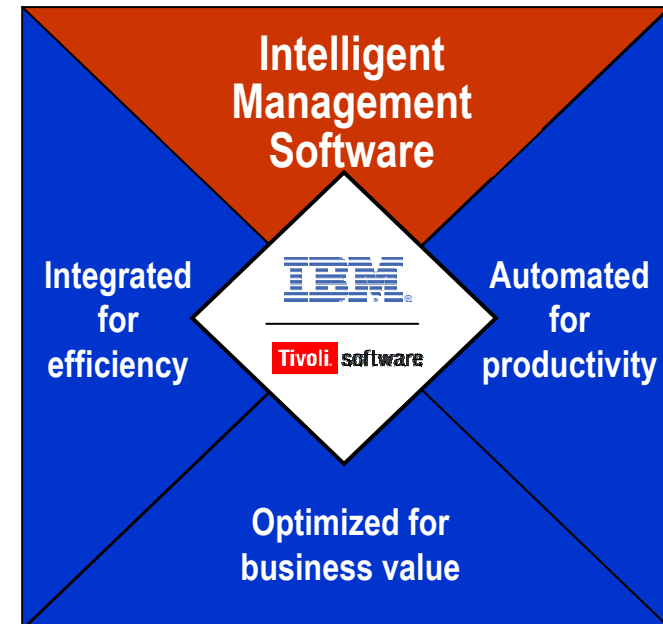
IBM Tivoli software is designed to help you manage the complexity of an integrated on demand environment.

IBM Tivoli Software Advantages

- **Product & Technical Leadership Across the Platform**
- **Integration Platform Comprehensiveness**
- **Platform Reliability, Security & Scalability**
- **Open Standards & Web Services Leadership**
- **Cross-IBM SWG Componentization and Integration**

Intelligent Management Software – Why Tivoli?

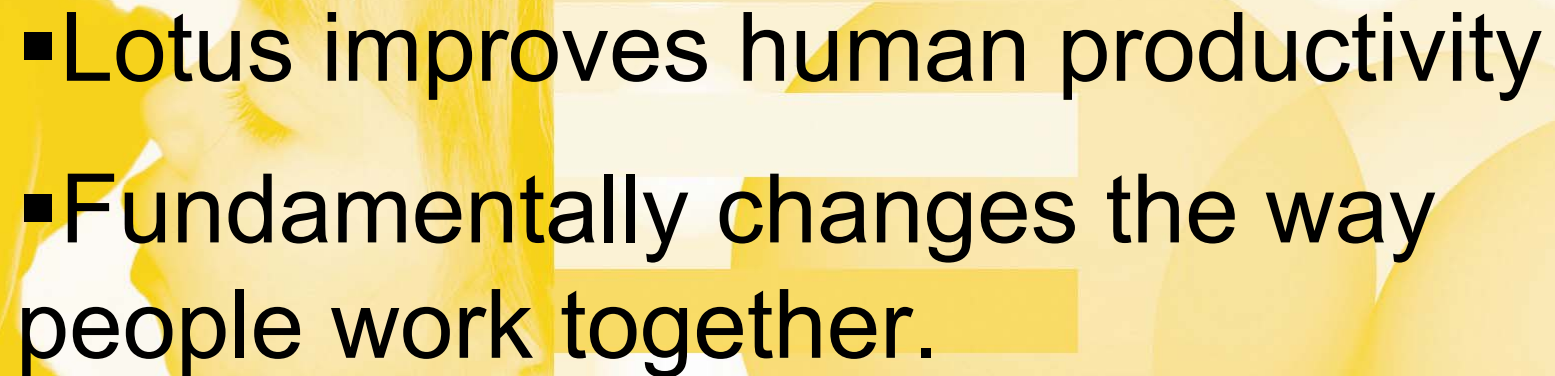
- ✓ **Ability to move customers from reactive to proactive management**
- ✓ **Ability to help customers map IT assets into business processes**
- ✓ **Ability to “do more with less” with autonomic and correlation engines**
- ✓ **Ability to incorporate “best practices”**
- ✓ **Ability to help customers move to the on demand world**



“Tivoli’s autonomic approach to systems management goes well beyond integration to the truly intelligent, responsive and proactive capabilities that will enable IBM to actually deliver e-business on demand.” —Carol Baroudi

BAROUDI BLOOR

Lotus software

- 
- Lotus improves human productivity
 - Fundamentally changes the way people work together.

Lotus software

The Lotus Notes, Lotus Domino, and Lotus Extended Search (for searching structured data in table) applications work seamlessly with any RDBMS in the back-end with standard database connectivity, as a result Informix databases are supported.

Lotus software

Lotus Enterprise Integrator (LEI) works with Informix Dynamic Server and other ODBC data sources. It provides server-based data distribution that provides an environment to define and administer the following:

- High-volume data exchange
- Data synchronization
- Event-driven and real-time transfer of data

The LEI server processes instructions, makes connections to external data sources, and moves data according to Activity-defined conditions.

Rational. software

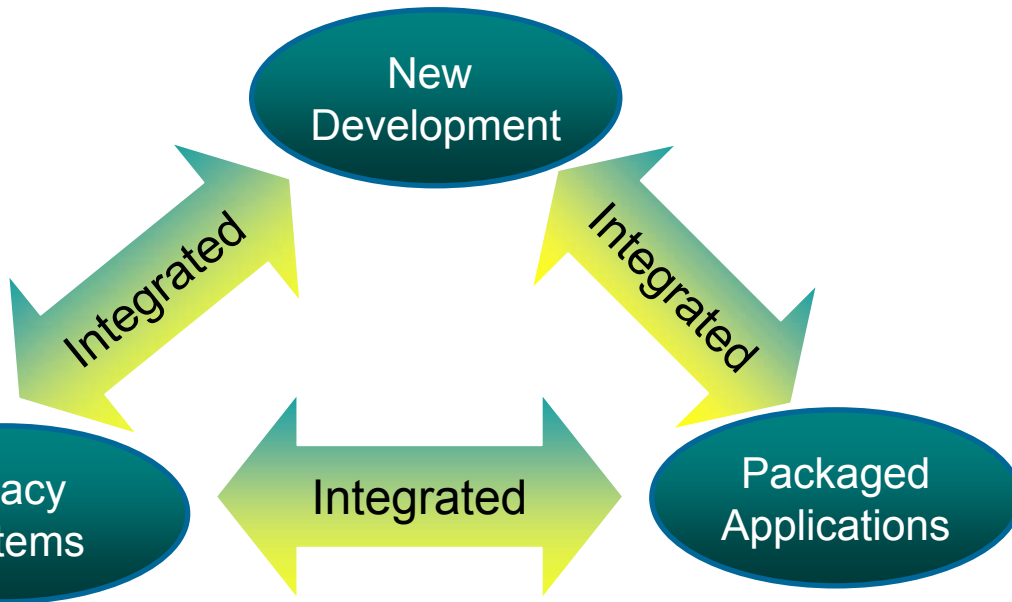
“CIO’s must treat the software they buy as elements to be assembled into a customized, highly differentiated software incarnation of the business... to break out of the pack, extend applications with custom code.”

**David Truog,
Forrester Research**

- Design
- Develop
- Test
- Deploy

*“Big Firms Need In-House Software Development”,
October 2002*

- Extend
- Expose
- Upgrade



- Customize
- Expose
- Test
- Deploy

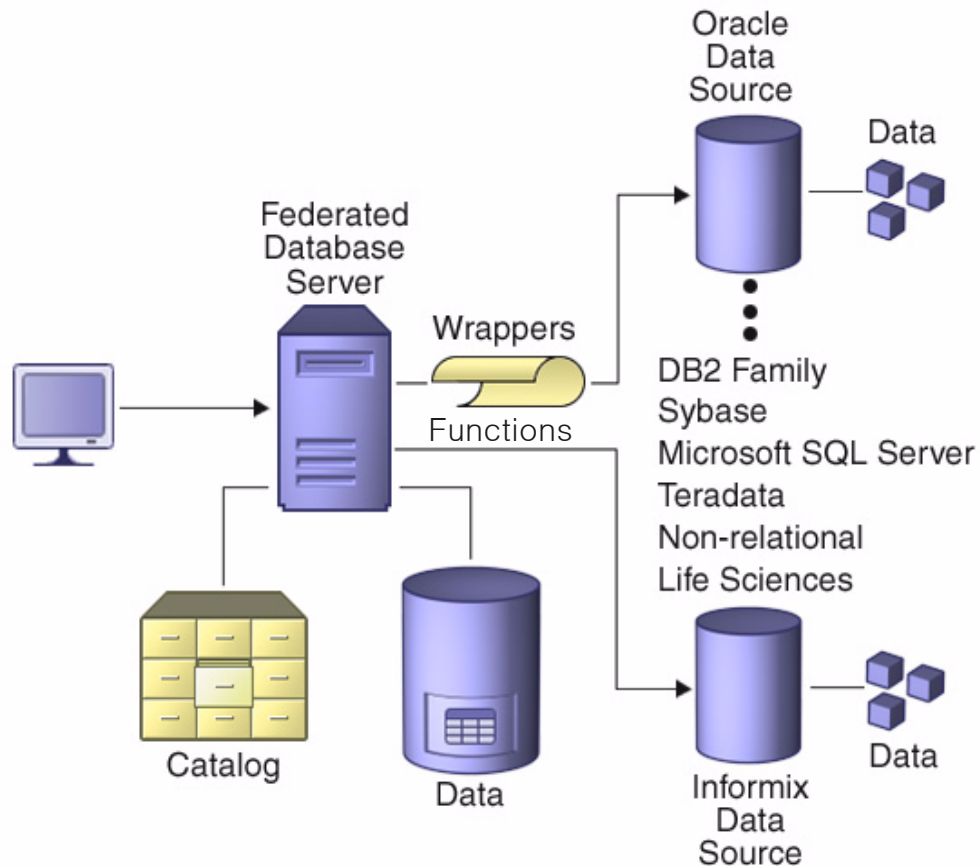
Rational. software

- Problem analysis and requirements management
- Software Modeling
- Defect and change tracking
- Project Management
- Error Detection
- Performance Profiling
- Development Tools
- Documentation Generators
- Automated Testing (Functional and Performance)
- Test Management
- SE Best Practices Guidance

DB2 Information Management Software

- Delivers information on demand
- Ensures information is integrated
- Ensures information is comprehensive
- Ensures information is analyzable

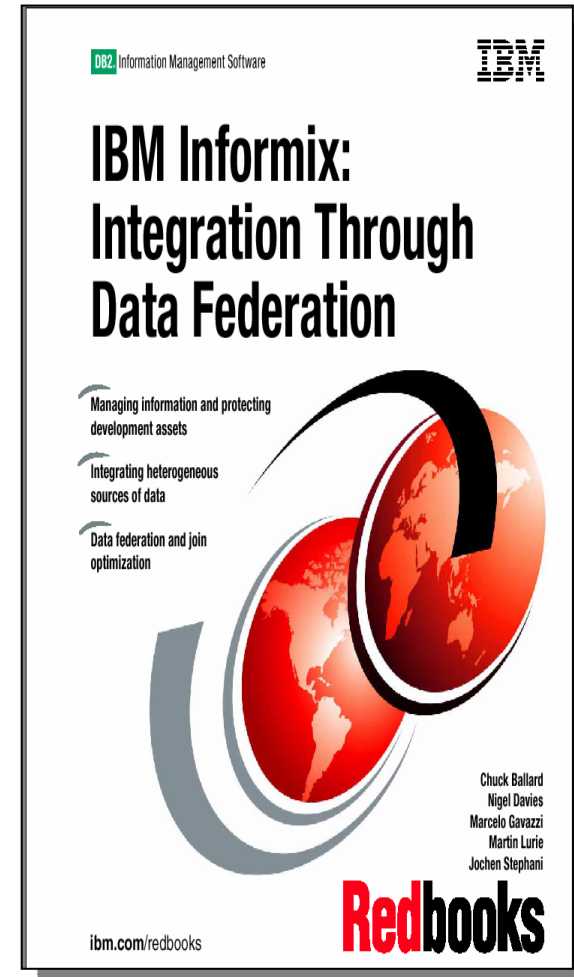
DB2 Information Integrator



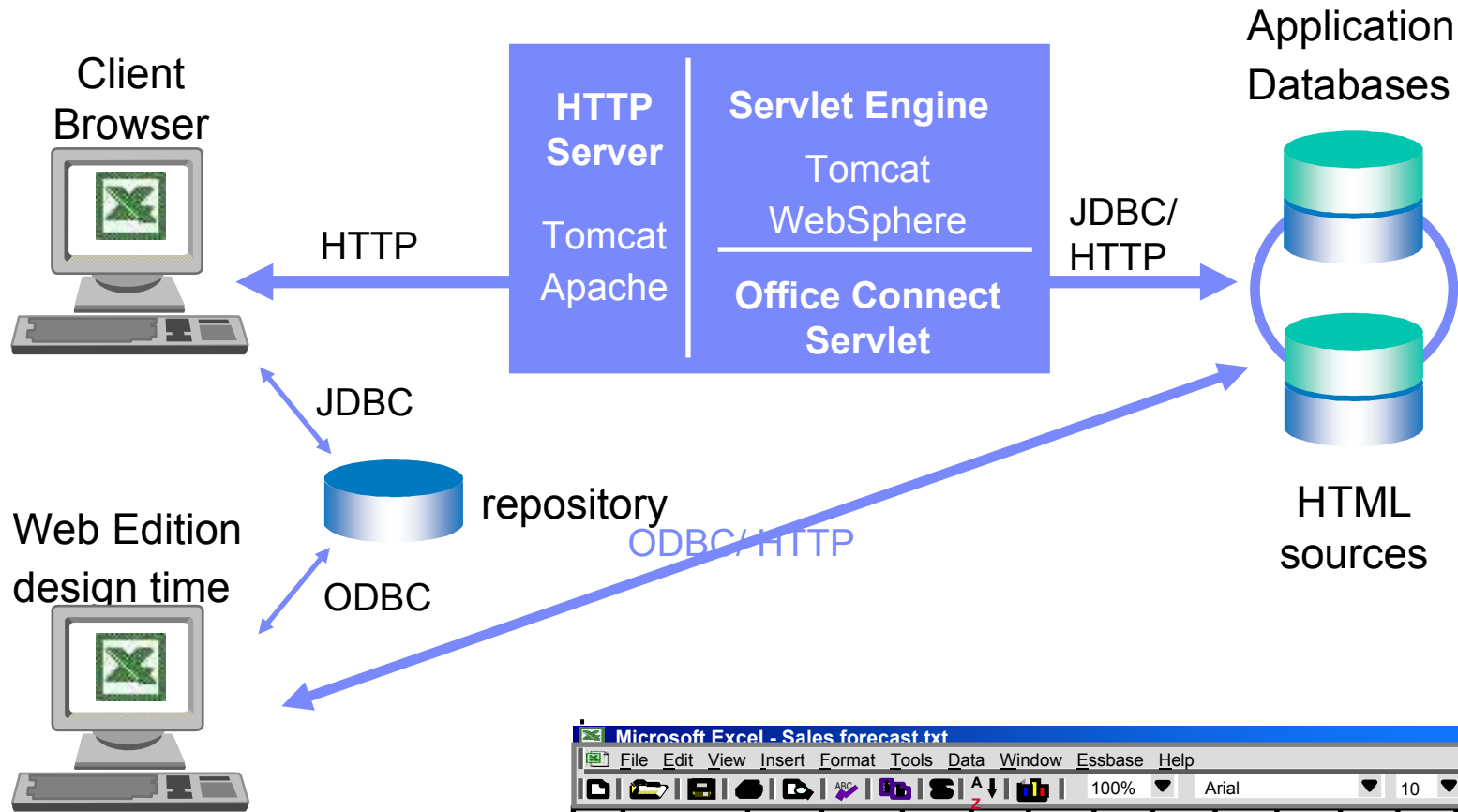
- **Transparency**
 - ▶ Appears to be one source
- **Heterogeneity**
 - ▶ Integrates data from diverse sources
 - ▶ Relational, Structured, XML, messages, Web, ...
- **Extensibility**
 - ▶ Federate almost any data source.
 - ▶ Development tooling provided
- **High Function**
 - ▶ Full query support against all data
 - ▶ Capabilities of sources as well
- **Autonomy**
 - ▶ Non-disruptive to data sources, existing applications, systems.
- **Performance**
 - ▶ Optimization of distributed queries

Another IBM Informix **Redbook**!

- Covers Informix IDS, XPS, Red Brick, DB2 and DB2 Information Integrator and Informix Enterprise Gateway Manager
- Lots of step-by-step examples (example code downloadable)
- Based on Linux and Windows platforms
- Available Now!
- Download at:
<http://www.ibm.com/redbooks>
- **Red**book ID: SG24-7032



DB2 Office Connect



Microsoft Excel - Sales forecast.txt

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1		Profit	Actual	Cola										
2		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Tot
3	New York	262	245	258	276	295	357	370	368	312	247	236	271	3498
4	Florida	367	340	366	397	434	547	564	563	465	348	324	390	5105
5	Virginia	68	63	67	73	78	99	104	104	86	64	63	73	942

Additional Resources

Informix Product Page

<http://www.ibm.com/informix/>

DM Today



[http://www-](http://www-3.ibm.com/software/data/db2infonews/)

[3.ibm.com/software/data/db2infonews/](http://www-3.ibm.com/software/data/db2infonews/)

IBM Information Management

<http://www-3.ibm.com/software/data/>

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