



IBM SOA

Innovation with Information in an SOA Environment

Delivering the Business Value of Information

*Tom Reilly
Vice President
Enterprise Master Data Solutions
IBM Information Management Software*

SOA on your terms and our expertise

The Basics: What is SOA?



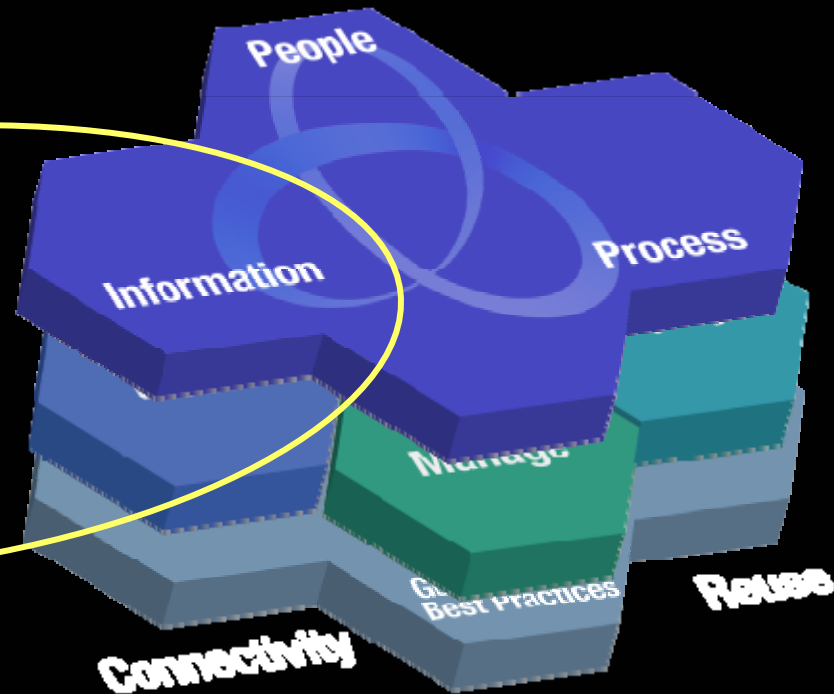
"SOA impacts every aspect of IT and business."



SOA Entry Points Help Customers Get Started

Both Business Centric and IT Focused

***Deliver Trusted
Information in
Business Context***



Volkswagen



“Today, 70% of the time of our people is spent in searching for information and only 30% in making intelligent decisions.

We want to flip the ratio, providing 70% of time for intelligent, analytical decision making and only 30% administrative work.”

Dr. Martin Hofmann
Exec. Director, Group Supply Strategy
Volkswagen AG

Result: 20% increase in procurement productivity

The Information Challenge

Information is in Silos... Trusted Information is Not Available

Managing information in silos has become obsolete.

Multiple Versions of the Truth

*Inaccurate,
Inconsistent
Incomplete,
Inaccessible,
Untimely*

Out of Context...

Today's business challenges mandate a fresh approach to managing information.

Globalization, M&As

Risk & Compliance,

Eroding Customer Loyalty,

Supply Chain Complexity,

Industry Transformations,

Cost Cutting...



Information Must Become a Strategic Asset

5X More Value creation by organizations effective at using Information as an Asset

60%+ of CEOs: Need to do a better job leveraging information

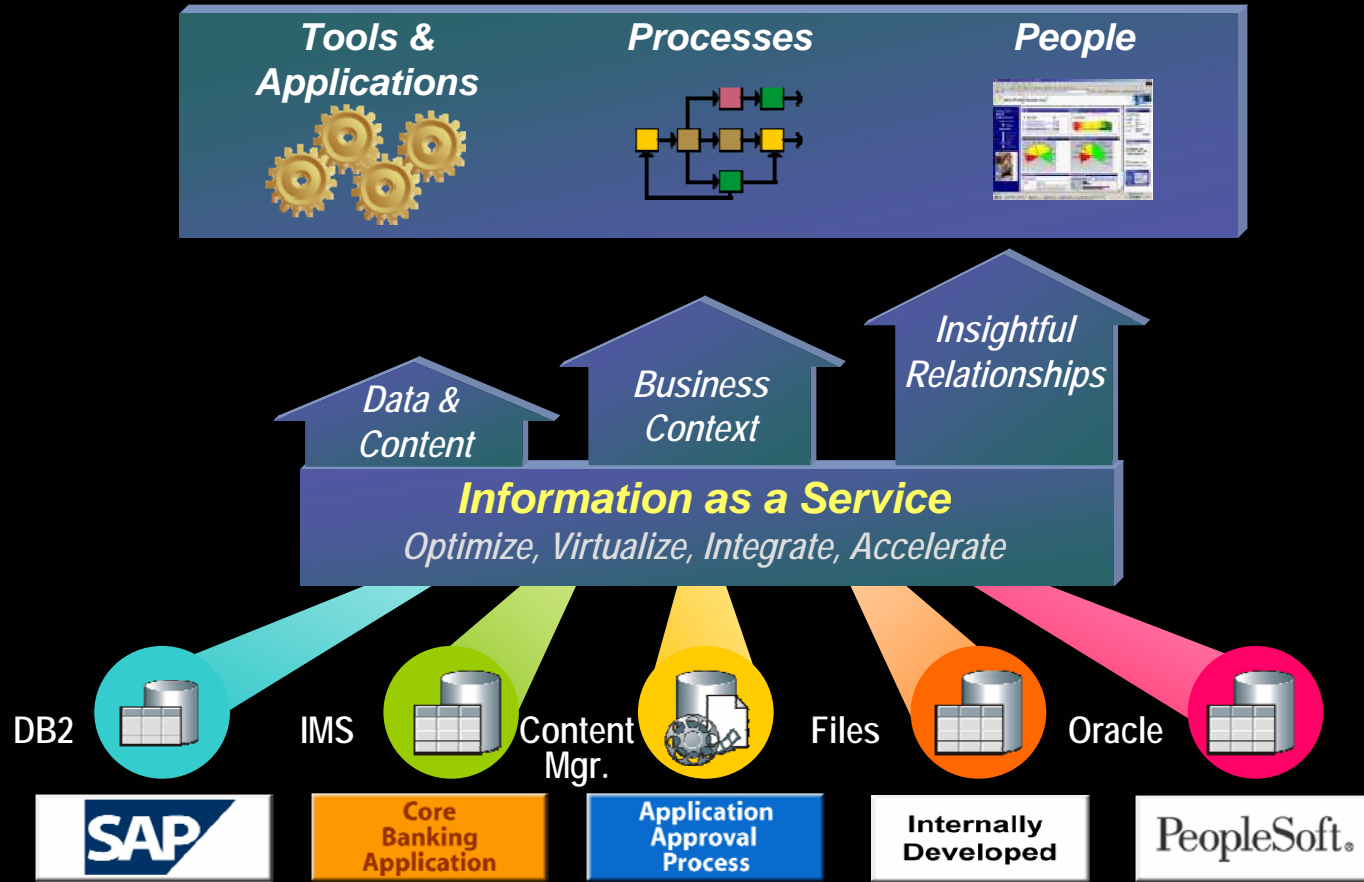
70% of people's time can be spent searching for relevant information

Sources: IBM Attributes & Capabilities Study, 2005; Client Interviews 2004; IBM CFO Study, 2006

Information as a Service

Managing Enterprise Information & Processes for Business Flexibility

3 Enable a New Class of Information Intensive Strategic Applications



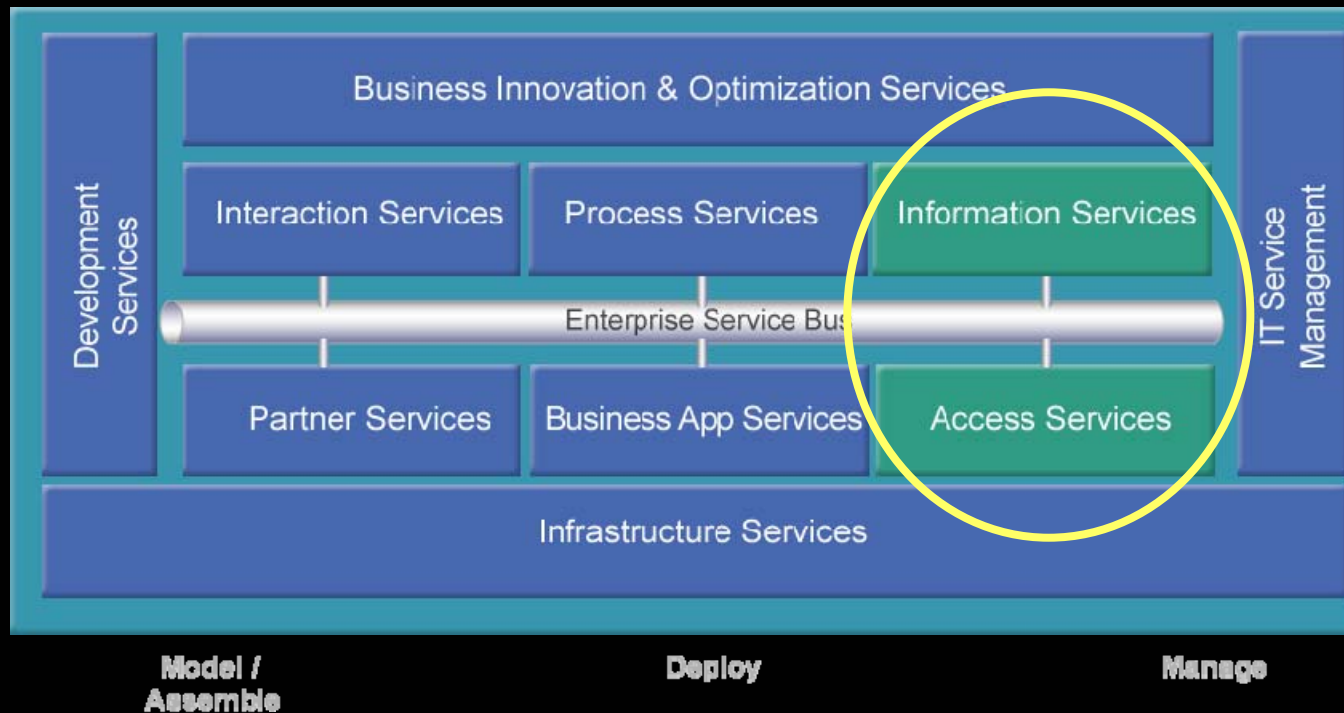
1 Integrate Existing Applications

2 Consolidate ERP / Suites

Service Oriented Architecture

Information as a Service is Key

You will waste your investment in SOA unless you have enterprise information that SOA can exploit.



Critical Business Initiatives Depend on Information

Information Intense Business Problems

- **Master Data Management**
 - Single view of the customer, product, supplier, location.....
 - Gain control of disparate silos
- **Risk & Compliance**
 - Loss and Fraud prevention
 - Government regulations and taxes
- **Worker Productivity**
 - Information accessible to every user when and where they need it... both structured and unstructured



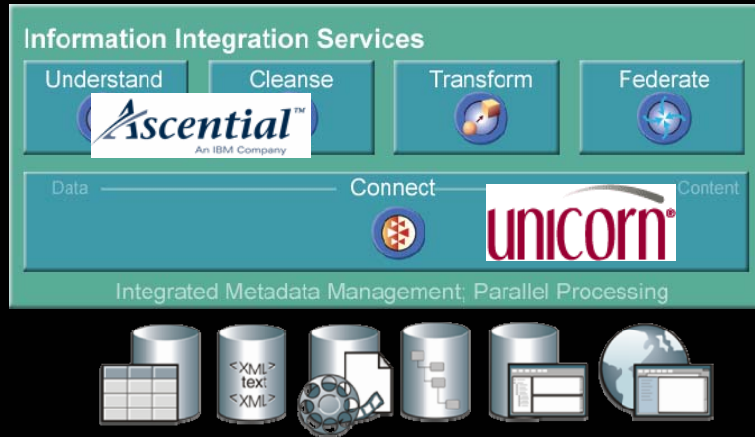
Technology and Industry Drivers are Accelerating

- **Industry Drivers**
 - Risk and Compliance, BASEL II, Solvency II
 - Fraud and Abuse
 - RFID, Global Data Synchronization
 - TREAD Act, HIPAA
- **SOA Requires Industry and Business Oriented Frameworks**
 - Industry data and process models
 - Master Data Management systems
 - Design and run-time solutions
- **IBM is Making Major Investments**
 - \$1.5B in past 18 months
 - >\$1.0B in next 36 months



IBM Acquisitions Continue to Extend the Value

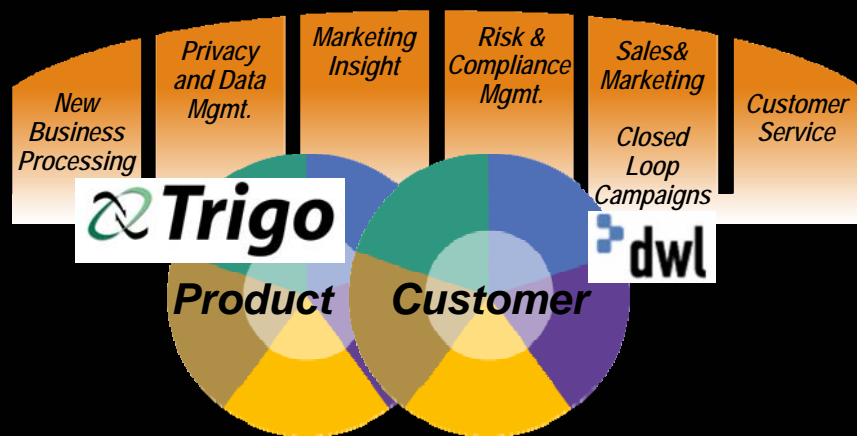
Information Integration Solutions



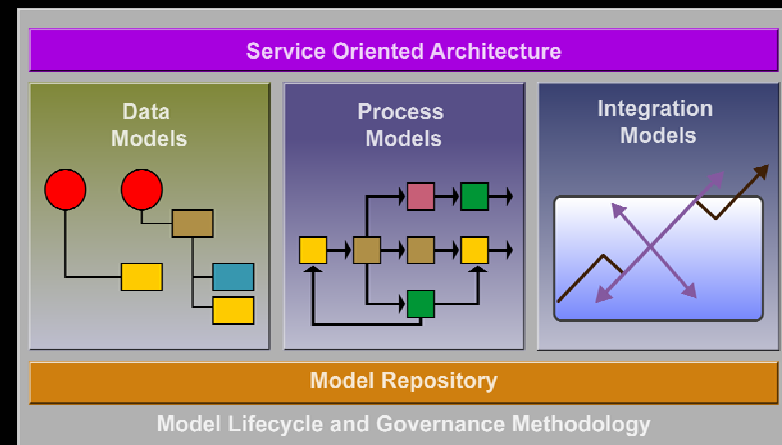
Entity Analytic Solutions



Master Data Management Solutions



Industry SOA Models



Information as a Service Portfolio

1 **Integrate Existing Applications**

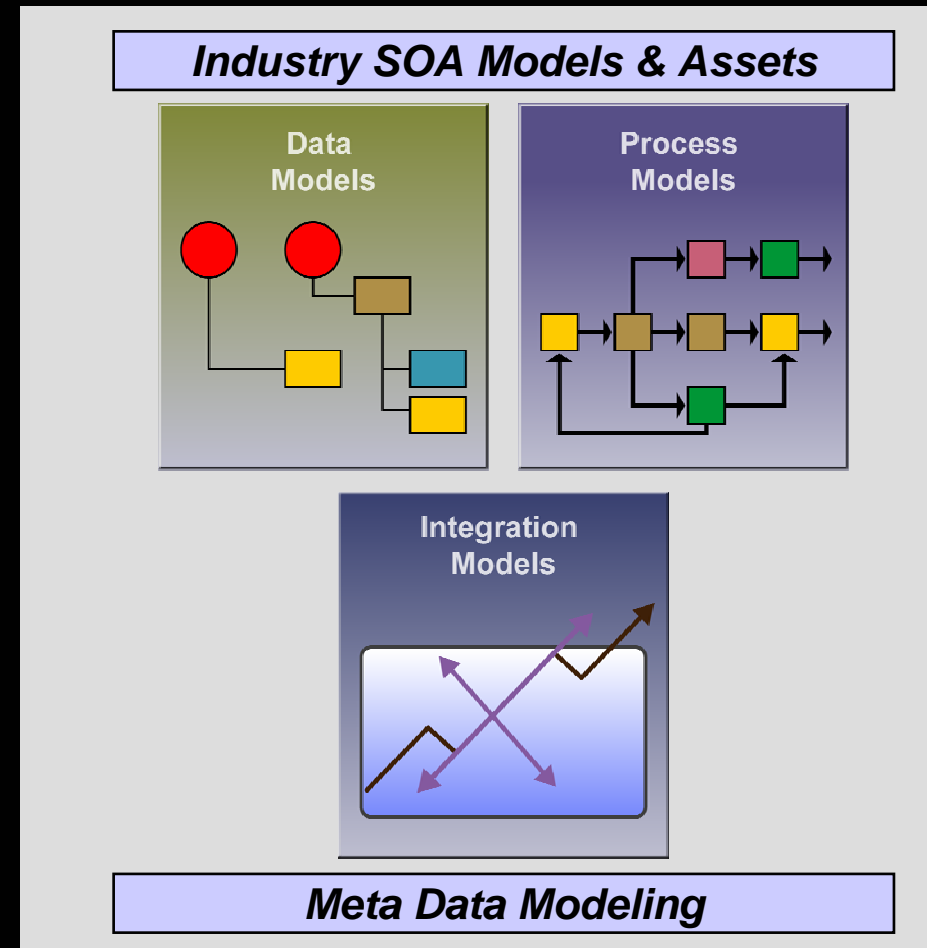
- Drive integration across systems
- Integrate with partners and customers

2 **Consolidate ERP / Suites**

- Support consolidation of systems
- Lower costs, improve operations

3 **Enable a New Class of Information Intensive Applications**

- Insight into your operations, customers, and partners
- Introduce new processes, products, & services
- Create competitive differentiation



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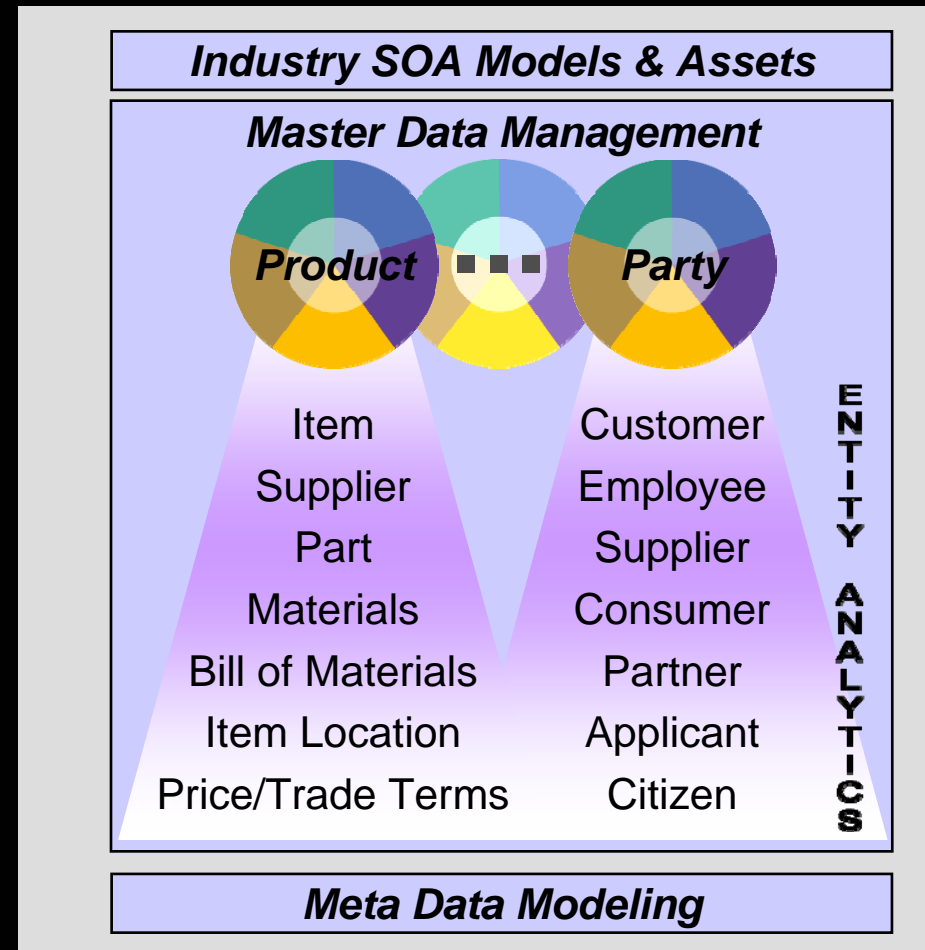
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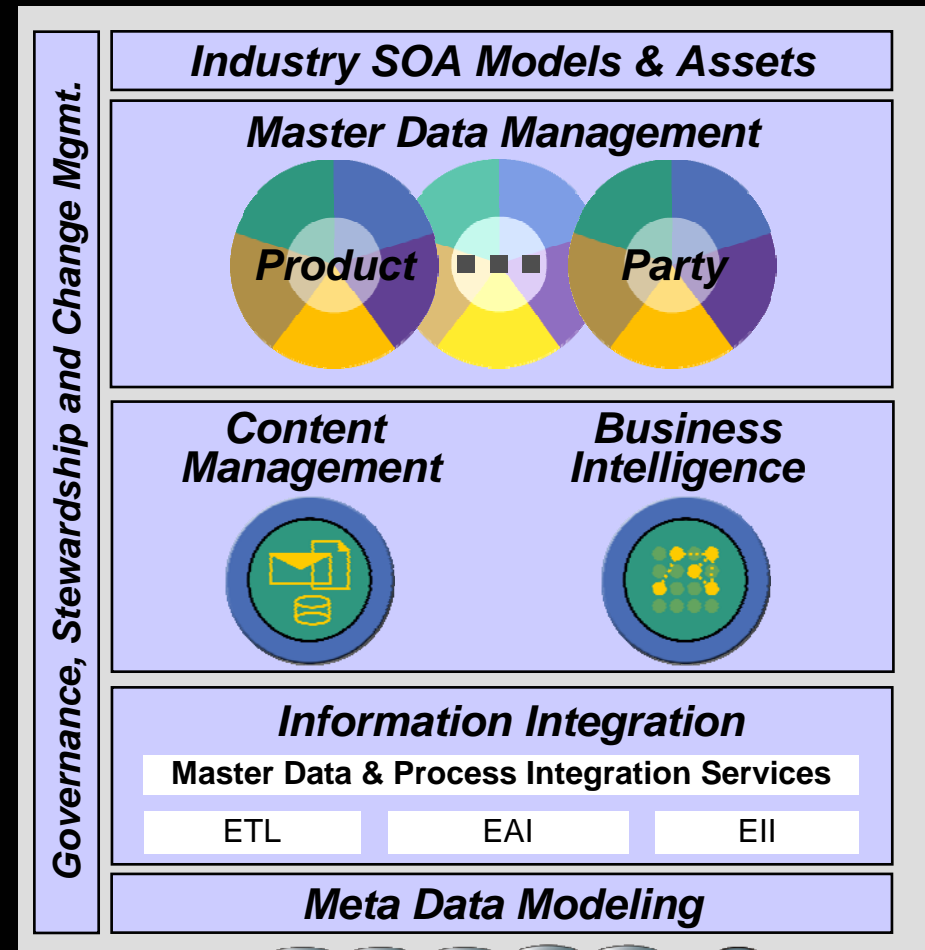


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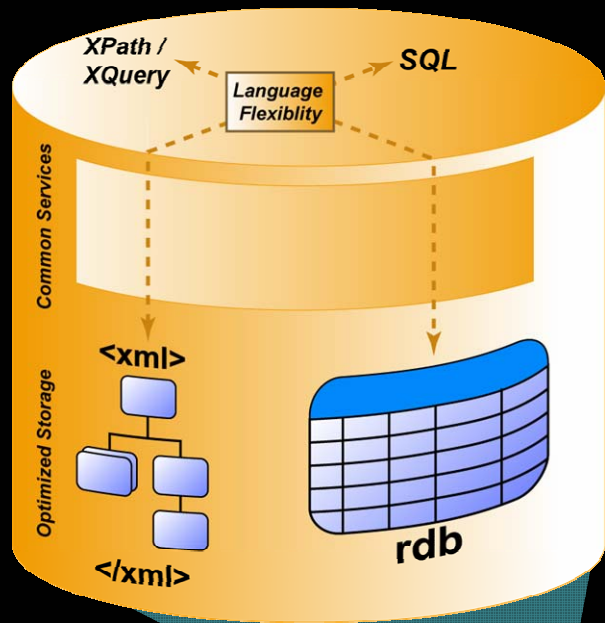
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Integrating XML with Innovative Technology

Key to SOA



- **Best of Both Worlds**

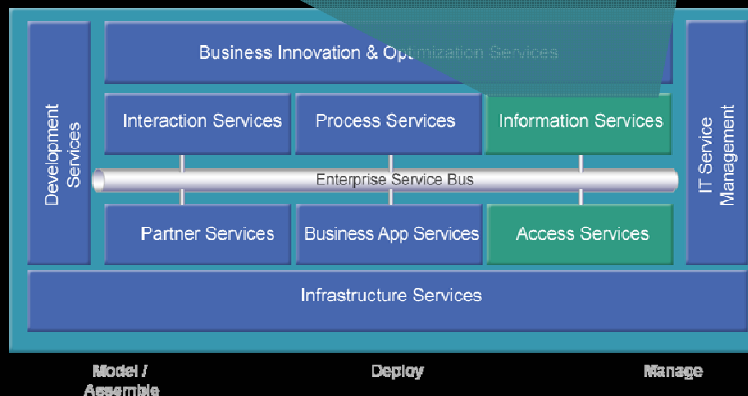
- Overcomes complexity & limitations of prior models
- Flexibility of XQuery and SQL
- Performance, integrity, protection, and scale from the proven DB2 infrastructure

- **Strong Early Adopter Experiences**

- Up to 16x reduction in development time
- 65% reduction in lines of code
- 100x performance improvement

- **Momentum Building**

- 150 in Closed Beta
- 2,500+ Downloads Since Open Beta 4/06
- Storebrand, Research Libraries Group, IDB Consulting, Nextance, Justsystems, Skytide, Exegenix, Kbrix, Jeeves Information Systems, Strada Software +++



IBM Information On Demand Software

Unparalleled Breadth and Depth

- **Business Information Services**

1,000+ Clients

- Master Data Management
- Entity Analytics
- Information Warehousing
- Industry Models...

- **Information Integration**

5,000+ Clients

- Quality Services
- Transformation Services
- Federation Services
- Metadata Services...

- **Content & Discovery Services**

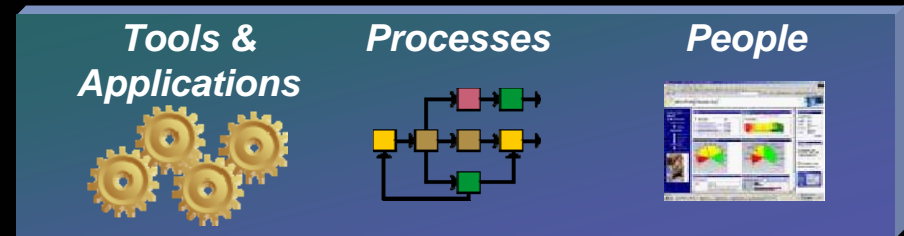
13,000+ Clients

- Content Mgmt. & Integration
- Discovery Services...

- **Data Services**

450,000+ Clients

- Data Servers, Warehouses, Tools...



Information as a Service
Optimize, Virtualize, Integrate, Accelerate

No Other Vendor Delivers The Breadth and The Depth of Capabilities



Data Servers & Content Repositories

Panasonic

Providing Trusted, Timely, Consistent & Complete Information

Different Product Managers Coordinate Different Products



Different Requirements for Different Markets

Duplicate Activity

- Time taken from sales and customer focused activities
- No clear control or maintenance procedures

Inconsistency

- Product Information stored all customer touch-points
- Mixed levels of information provided to the customer

Information Islands

- Limited integration
- Few standards

Multiple Plants Delivering Information

Products Launching in Different European Markets



Internal Systems



External Systems

Panasonic

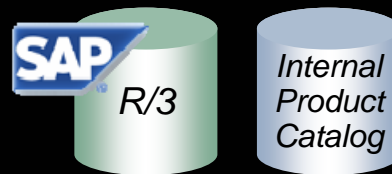
Providing Trusted, Timely, Consistent & Complete Information



- *Savings of €5 million per year anticipated*
- *30% increase in product introduction productivity*
- *20% increase in accuracy through improved information and support quality to customer and retailer*
- *Planned expansion to Customer, Supplier Information*

Master Data Services

- Integration, Synchronization
- Process Templates



Internal Systems



External Systems

Information Becomes a Strategic Asset

Timely & Accurate Information Fights Crime



- ▶ *Need for on-scene insight from billions of records across multiple police databases*
- ▶ *Correlate arrests, complaints, summonses, homicides, shootings, locations, 911 calls...*

Key to Success

- Timely Delivery of Structured and Unstructured Information

Result

- Timeliness means the difference between life & death
 - Information reaches detectives within minutes, instead of days or weeks
- Rapid trend analysis improves resource deployment
- Rapid repeat offender identification

Information Led Business Innovation

Information Integration and Reconciliation Key to Success



- ▶ *Needed to stock inventory and customize leasing program based on unified view of customer profiles*
- ▶ *Optimize supply chain through dynamic sourcing*
- ▶ *Increase effectiveness & efficiency of core functional areas: service, warranties, monitoring, promotions...*

Key to Success

- Information Flows Directly into Dealer Inventory Systems

Result

- Automated Inventory and Data Quality Procedures Saves IT \$400K Annually
- 5,000 Staff days of Reuse in Integration Services Assets
- Optimized Leasing Programs, Tailored to Customer

Information Becomes a Strategic Asset

Unified View of Customer Information Builds Customer Service



- ▶ *Rapid growth into new markets emphasizes need for seamless customer service across business and households*
- ▶ *27 million business and residential connections for local telephone, long distance, wireless, Internet, data, satellite TV & other services*

Key to Success

- Integrated customer information provides single service point across 4 separate billing systems and multiple customer systems

Result

- Unified view of customers improves call center service and productivity
- Streamlined marketing campaigns based on offering bundles
- Phased implementation strategy enables rapid focus business community
- Services Orientation allows reuse of composite information updates

Delivering Value... Industry by Industry

Leveraging the Strength of IBM & Business Partners for Products and Expertise

Finance / Banking / Insurance

- Banking & Insurance Data Warehouses
- Basel II Risk & Compliance
- New Business Processing
- Customer Privacy Mgmt.
- Marketing Insights
- Consolidated Risk Mgmt.

Insurance

- Insurance Information Warehouse
- New Business Processing
- Customer Privacy Mgmt.
- Marketing Insight
- Consolidated Risk Mgmt.

Healthcare

- New Business Processing
- Customer Privacy Mgmt.
- Marketing Insight
- Information Based Medicine

Government / Public Sector

- Compliance for Government
- Social Services/Case Mgmt.
- Crime Information Warehouse

Automotive

- Product Information Mgmt. (After Mkt.)
- Automotive Dealer Collaboration
- Advanced Early Warning

Telecommunications

- Telco Data Warehouse
- New Business Processing
- Customer Privacy Management
- Marketing Insight

Retail, CPG

- New Product Introduction
- New Customer Introduction
- Global Data Synchronization
- Retail Business Intelligence
- New Business Processing
- Customer Privacy Mgmt.
- Marketing Insight
- Consolidated Risk Mgmt.

Cross Industry

- RFID / EPC Information Services
- Archiving & eDiscovery
- eStatements & Report Management
- eForms Automation
- Federated Records Management
- Regulated Document Management

and many more...

Information On Demand 2006

Register Now: www.ibm.com/events/informationondemand



IBM Information On Demand 2006 October 15-20, 2006 Anaheim, California

- Business and IT executives, managers, professionals, DBA's and developers.
- Over 800 sessions
- Strategy and product announcements
- One on ones with executives and specialists
- Birds of a Feather roundtables

Special discount to Gartner attendees Why attend:

- Participate in the PREMIER discussion on *the future of Information Management*
- Learn how *Information as a Service* will help you unlock business value and drive competitive advantage
- Hear how your peers are realizing *ROI*
- Understand the roadmap to *long term strategic advantage*
- Learn *best practices* in your industry
- Receive the best in *technical education* and free certification
- Extensive opportunities for *networking* with your *peers and industry experts*

TAKE BACK CONTROL

Thank
YOU

