

Agenda

- Information on Demand
 - Definitions
 - What is the problem?
 - IoD Components
- Information Platform Solutions
- Why IBM?

Definition

Information on Demand

*Delivering information in context to
optimize business processes,
applications and productivity*

*The right information,
to the right place,
in the right format,
when I want it*

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

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

Managing information in silos has become obsolete.

*Globalization, M&As
Risk & Compliance,
Eroding Customer Loyalty,
Supply Chain Complexity,
Industry Transformations,
Cost Cutting...*

*Multiple Versions of the Truth
Inaccurate,
Inconsistent
Incomplete,
Inaccessible,
Untimely
Out of Context...*



5X More Value realised
by organizations 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

Key Challenge is Unlocking the Value of Information



**Information
Silos**

**Volume
& Variety**

**Business
Velocity**

47% of users
**don't have
confidence**
in their information

59% of managers
**miss
information**
they should have used

42% of managers
**use wrong
information**
at least once a week

Information On Demand

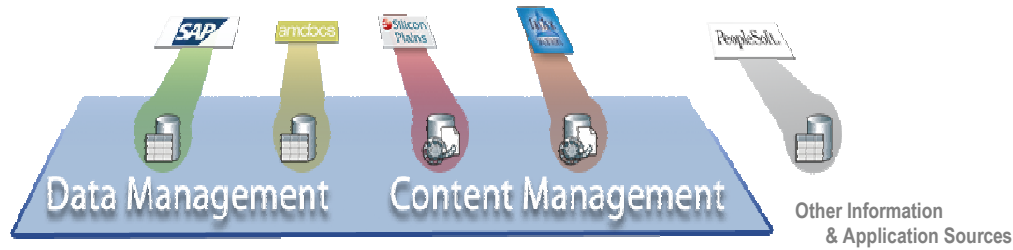
Unlocking the Business Value of Information for Competitive Advantage

Customer & Product Profitability *Financial Risk Insight* *Workforce Optimization* *Dynamic Supply Chain* *Multi-Channel Marketing*

Business Optimization



Flexible Architecture for Leveraging Existing Investments



Better Business Outcomes

Leverage information to better understand & optimize business performance

Establish accurate, trusted information for a single version of the truth, managed over time

An efficient and solid foundation for managing data and content over its lifecycle

Information On Demand

End-to-end capabilities and offerings from IBM

Customer & Product Profitability *Financial Risk Insight* *Workforce Optimization* *Dynamic Supply Chain* *Multi-Channel Marketing*

Business Optimization



Cognos TM1
Cognos 8 Planning
Cognos 8 BI

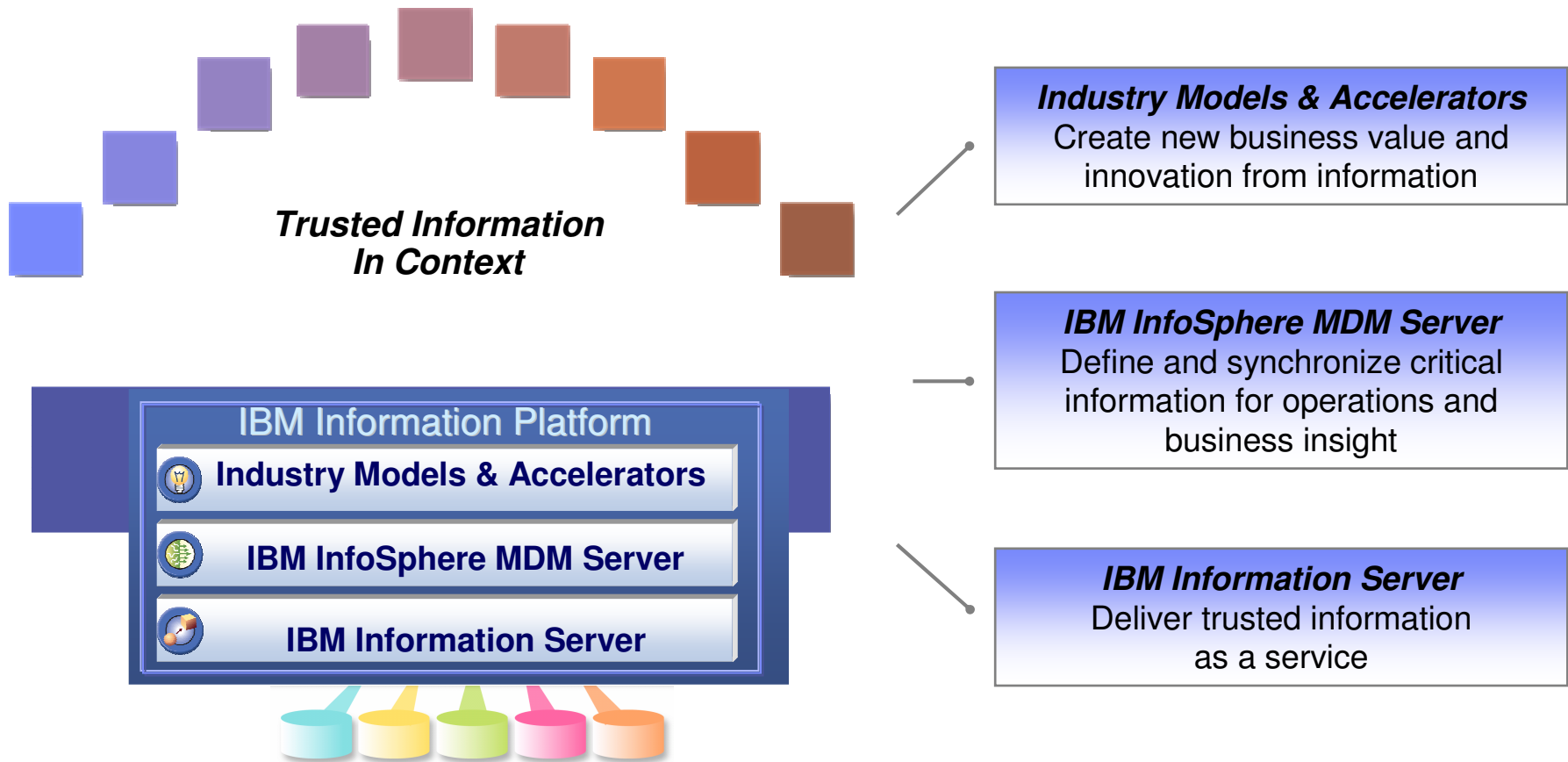
IBM InfoSphere Warehouse
IBM InfoSphere MDM Server
IBM Information Server

DB2, Informix, U2, Optim
IBM Content Manager, FileNet BPM

Information Platform Solutions

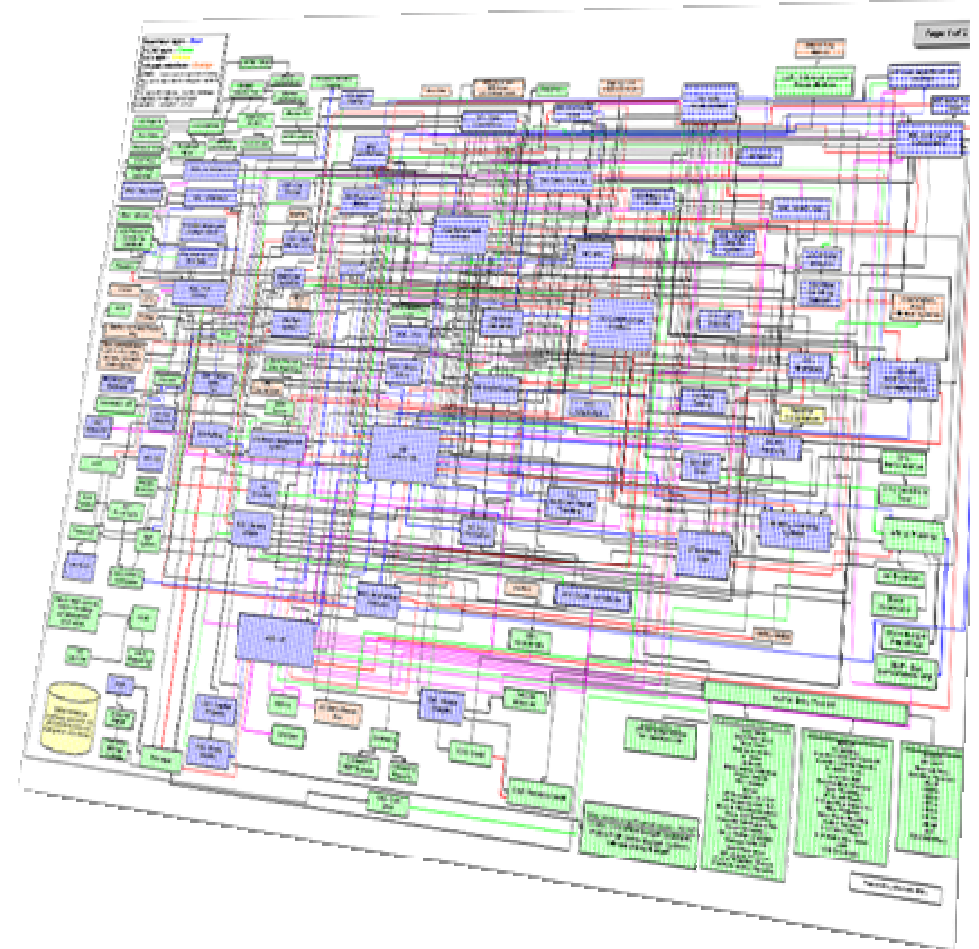
Accelerating the delivery of trusted information

People, Processes, Applications

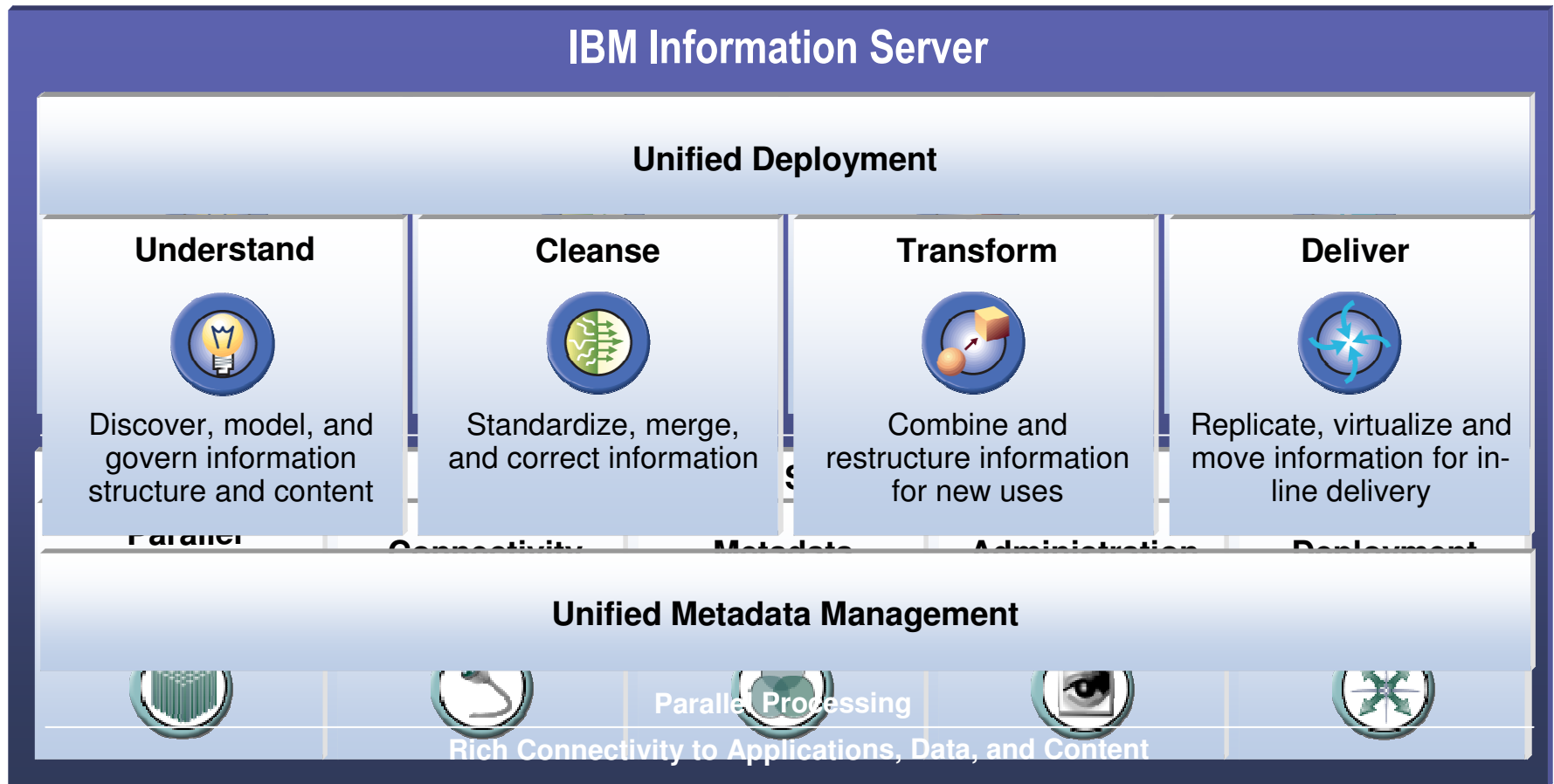


The Information Challenge

- Where is my information?
- How do I get it when I need it?
- What does it mean?
- Can I trust it?
- How do I get it in the form I need?
- How do I get it where it needs to go?
- How do I control it?



IBM Information Server



IBM Information Server

- ***A New Kind of Platform***
 - ▶ Delivers trusted information to processes, and applications
 - ▶ Foundation for information management
 - ▶ Dramatically Simplifies Integration

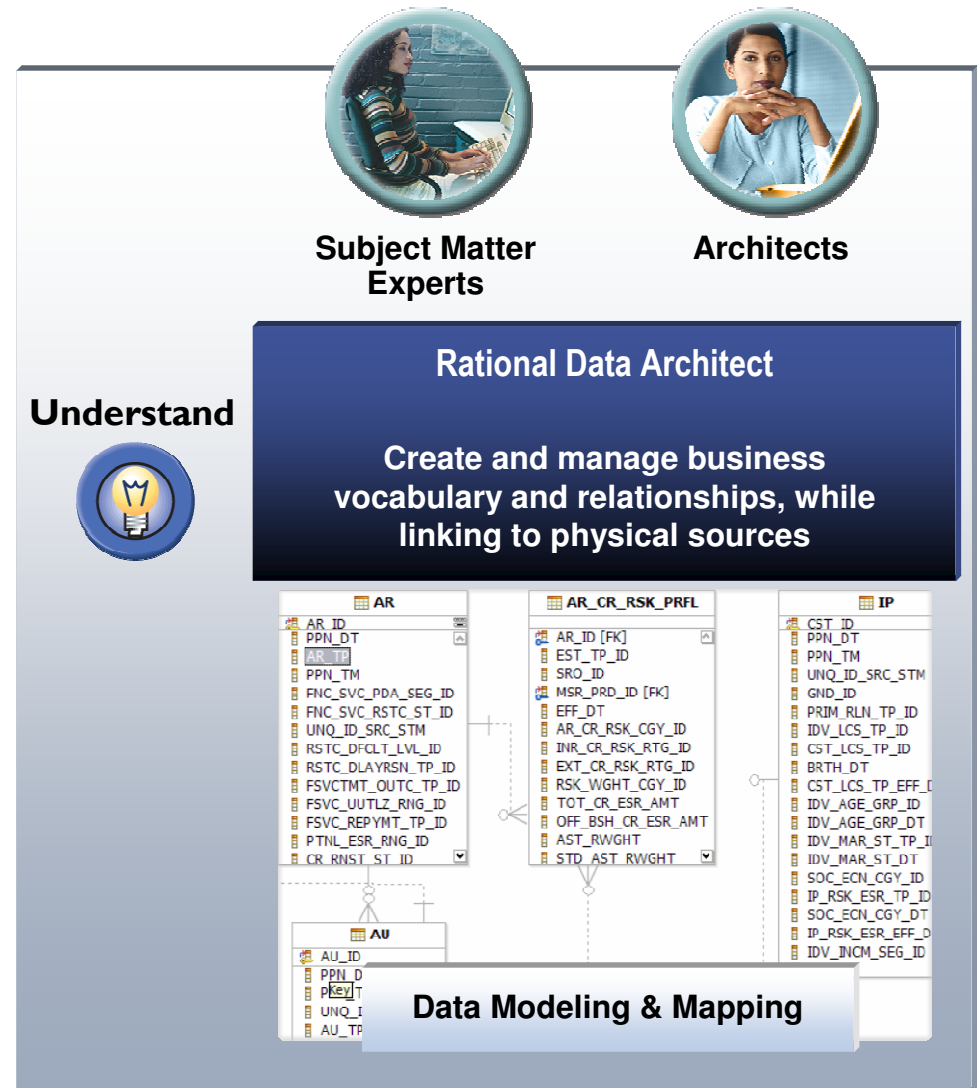
- ***Innovative Technology***
 - ▶ Metadata-driven integration
 - ▶ Breakthrough productivity
 - ▶ Industry-leading scalability
 - ▶ Rich, bi-directional connectivity

- ***Based on Experience***
 - ▶ 5,000+ Integration Clients
 - ▶ 75 Clients in Beta Program
 - ▶ 35+ Partners Enabled...



Logical Metadata: IBM Rational Data Architect

- Data modeling for data structures and federations
- Federated data discovery
- Metadata relationship discovery & mapping
- Impact analysis, and synchronization across models
- SQL & XML generation capabilities



Business Metadata: IBM Business Glossary

- Web-based authoring, managing & sharing of business metadata
- Aligns the efforts of IT with the goals of the business
- Provides business context to information technology assets
- Establishes responsibility and accountability

Database = DB2

Schema = NAACCT

Table = DLYTRANS

Column = ACCT_NO

data type = char(11)



Technical



Business

GL Account Number

The ten digit account number. Sometimes referred to as the account ID. This value is of the form L-FIIIIVVVV.

Subject Matter Experts

Business Users


Understand

Business Glossary


Create and manage business vocabulary and relationships, while linking to physical sources

Physical Metadata: IBM Information Analyzer


- Data-centric analysis of application, database and file-based sources
- Secure, detailed profiling of fields, across fields, and across sources
- Creation of metadata from profiling results
- Results instantly promotable across IBM Information Server



Subject Matter Experts



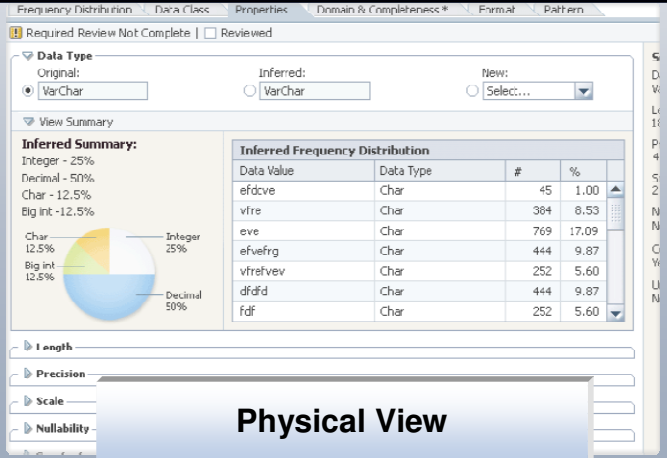
Data Analysts



Understand

IBM Information Analyzer

Analyze source data structures, and monitor adherence to integration and quality rules



Physical View

Data Cleansing: IBM QualityStage

- Specialised data quality functions seamlessly integrated with DataStage
- Visual tools for defining complex matching and survivorship logic
- Ensures clean, standardised, de-duplicated information
- Enables a single version of the truth



Subject Matter Experts



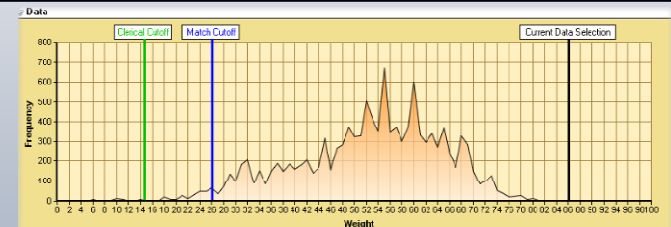
Data Analysts

Cleanse



IBM QualityStage™

Standardise and correct source data fields, and match records together across sources to create a single view

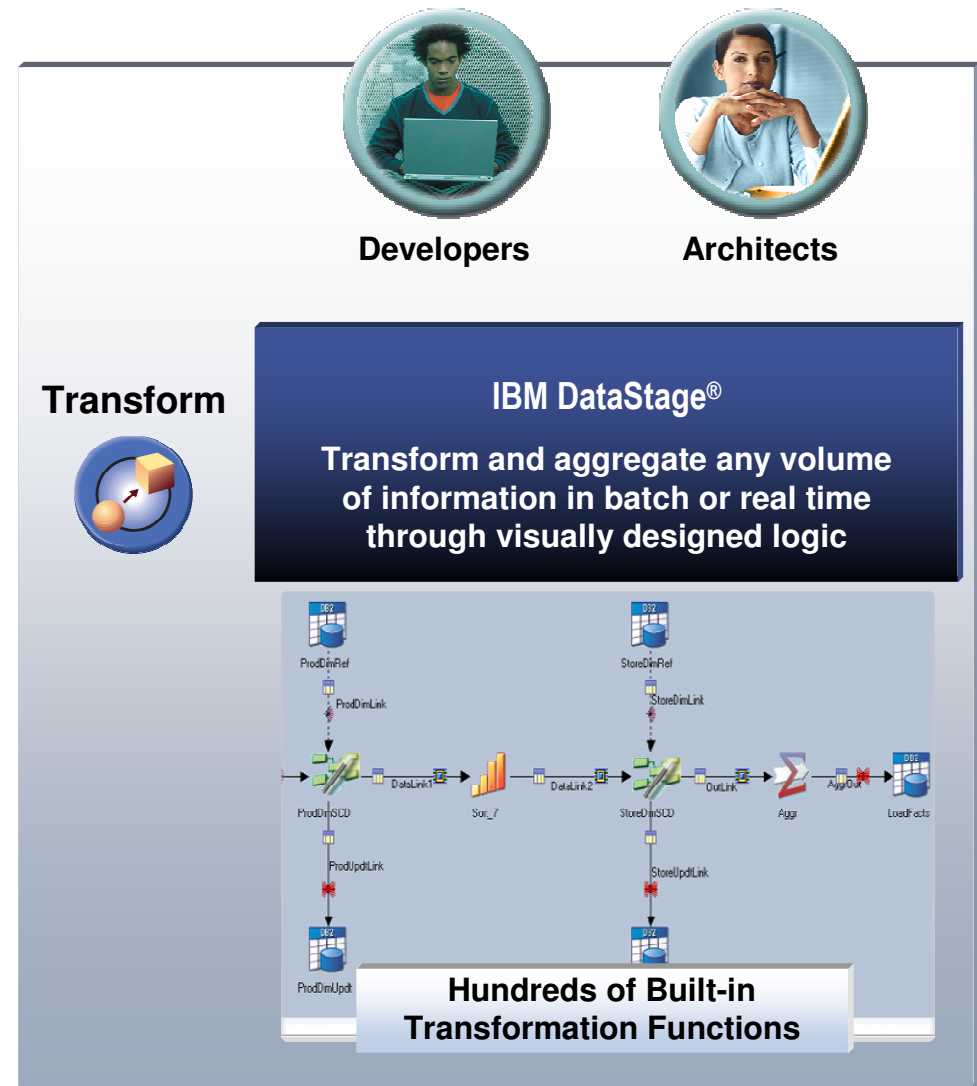


ColID	RecordType	PostalNumber	Weight	GenderCode	FirstName	MiddleName
4111	XA	1	85.57	IM	OTIS	GARLAND
4111	DA	1	85.57	IM	OTIS	GARLAND
5311	XA	1	84.08	IM	NICHOLAS	T
5311	DA	1	84.08	IM	NICHOLAS	T
3420	XA	1	81.88	IM	C.AUD	LADALE
3420	DA	1	81.88	IM	C.AUD	LADALE
3420	DA	1	81.88	IM	C.AUD	LADALE
4826	XA		80.20	IM	CLIFF	H
4826	DA		80.20	IM	CLIFF	H
7328					CHIN	
7328					CHIN	
2202					GILLIG	
2202					GILLIG	
6979					NICHELLE	
6979					NICHELLE	

Visual Match Rule Design

Data Transformation & Movement: IBM DataStage

- Codeless visual design of data flows with hundreds of built-in transformation functions
- Optimised reuse of data integration objects
- Leverages parallel processing without requiring design changes
- Capable of supporting batch and real-time operations
- UNICODE support



Deliver : IBM Federation Server

- Access diverse & distributed information as if it were in one system
- Industry leading query optimisation with single sign-on, unified views, and function compensation
- Transactional write capabilities across heterogeneous sources
- Visual tools for federated data discovery & data modeling

Federate

IBM Federation Server

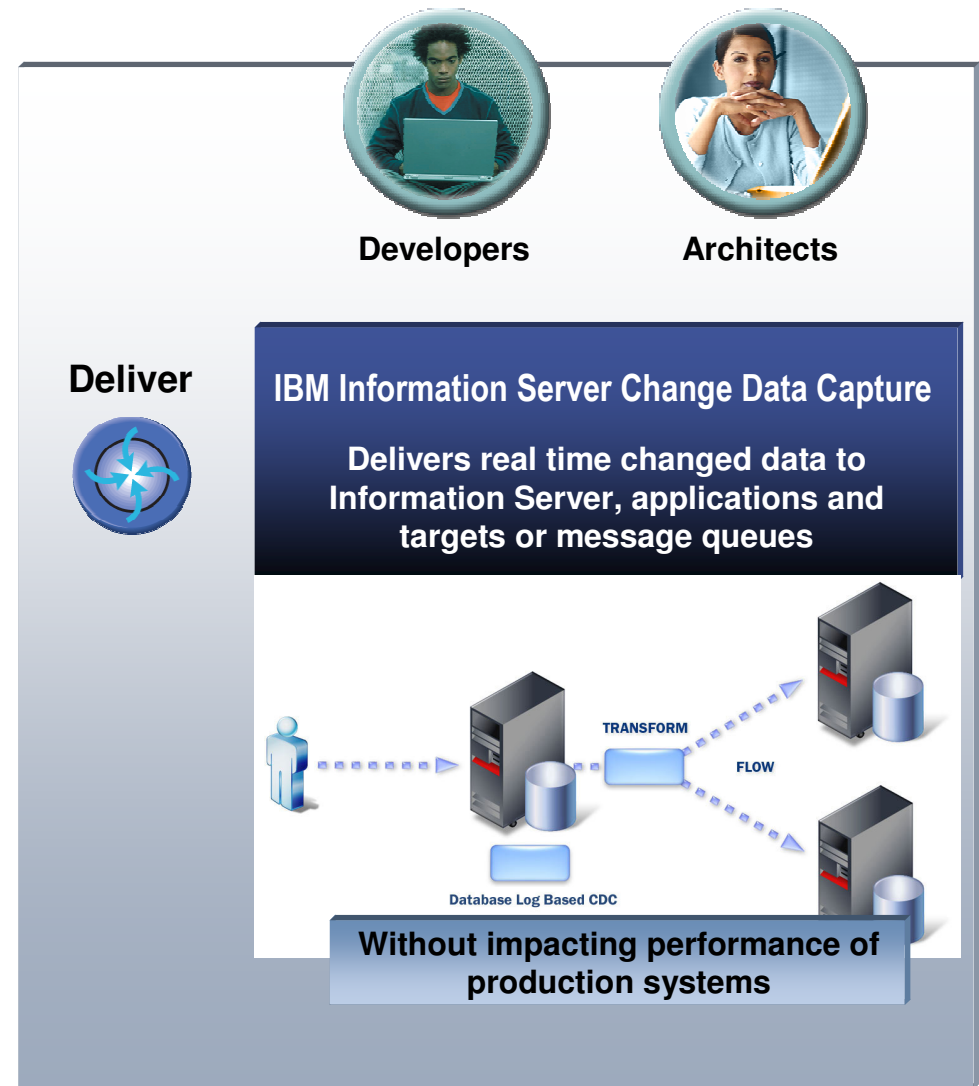
Access and integrate heterogeneous information across multiple sources as if they were a single source

Extend value of existing analytical applications by providing real-time access to integrated information

Visual Federation Design

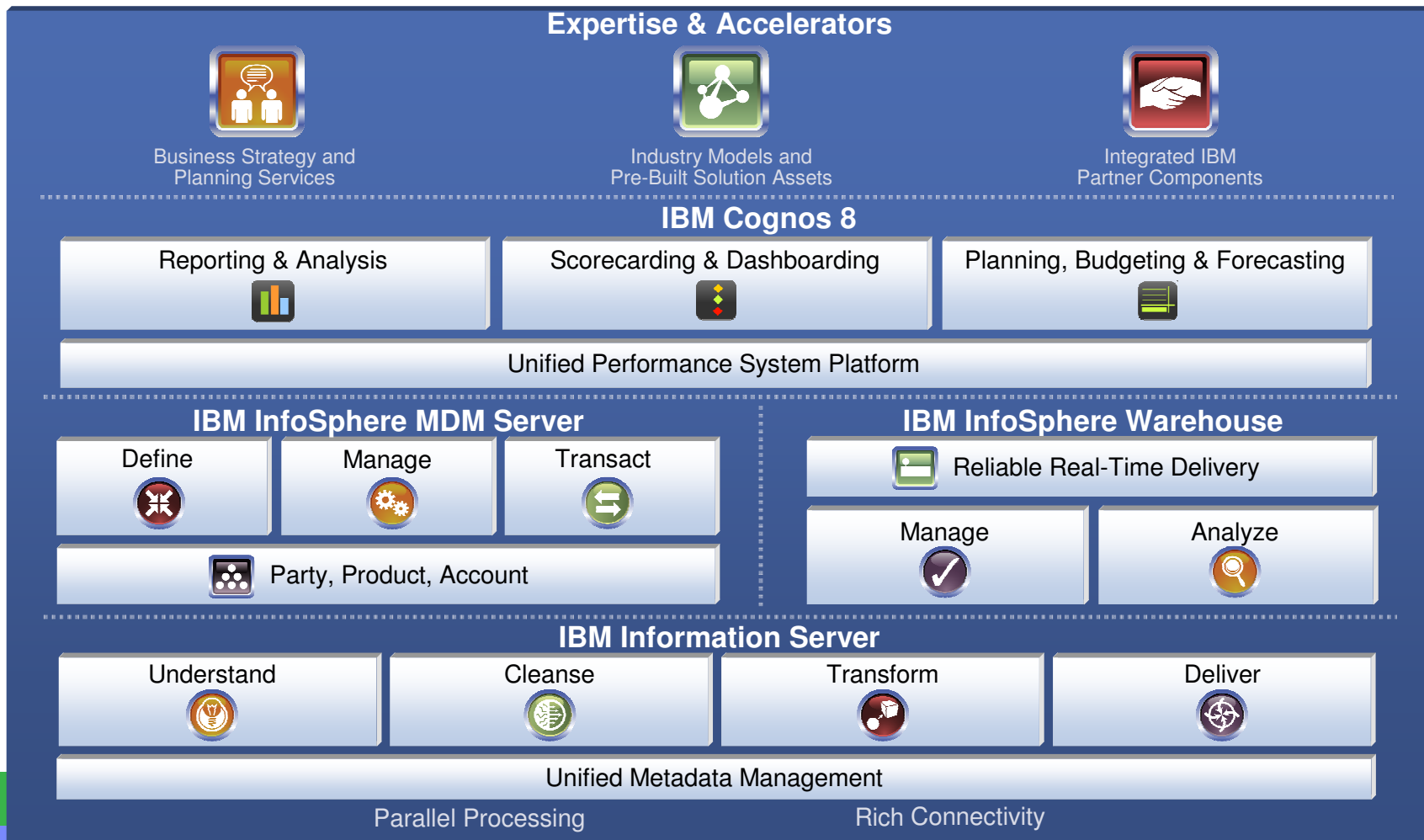
Deliver : Change Data Capture

- Provides real-time change data capture and delivery for
 - ▶ Dynamic change data integration
 - ▶ Synchronization
 - ▶ Replication
- Minimal impact on production systems
- High scalability and end-to-end performance
- Guaranteed data integrity



Information On Demand Industry Frameworks

Unlocking the Business Value of Information for Competitive Advantage



Why IBM?

- *Deep industry expertise, patented methodologies and technologies refined in thousands of projects*
- *Robust enterprise-wide operating environment, optimized for performance and efficiency*
- *Leadership in all key information management segments – data, content, information and performance management*
- *Industry solutions and frameworks that accelerate results*
- *The industry's most extensive partner network*

“In this high-stakes gamble for the information management market...IBM has officially put its competitors on notice. **IBM has a strong hand; its IOD strategy outpaces other vendors' information management strategies.**”

– Forrester Research, 2006

IBM Information On Demand

Manage critical business data

providing it where its needed

when its needed

in a format you can use and Trust!



Thank You

Questions

