

3.3 Exabytes of Digital Information will Be Created Every Day this Year





(1 exabyte = 10^{18} bytes)

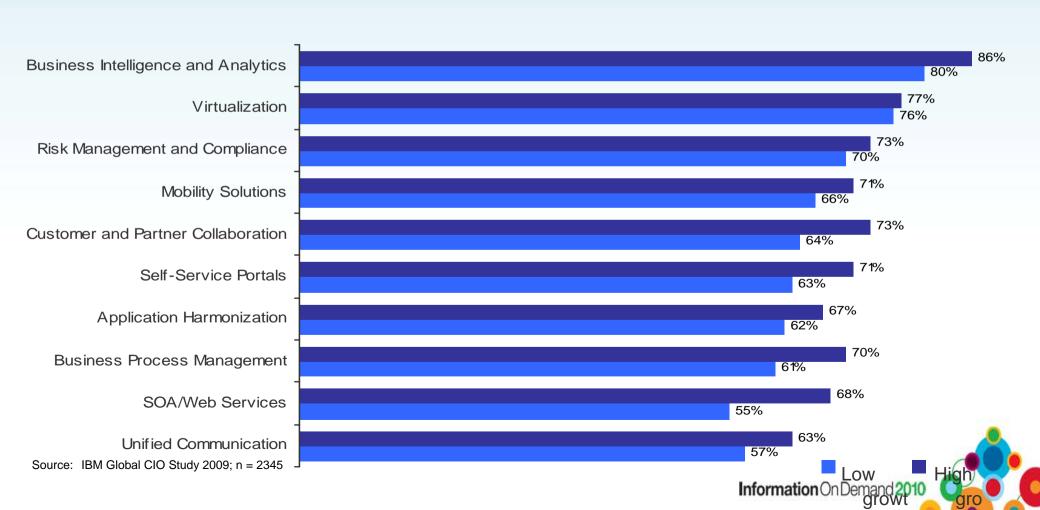




Innovation is not limited to IT solutions: Business-oriented plans rank high among CIOs' visions of enhancing competitiveness

Ten most important visionary plan elements

Interviewed CIOs could select as many as they wanted



Information Trailblazers Are the Catalyst for Creating a Smarter Enterprise











Business Analytics Companies are asking tough questions

IBM.®

Who?

Are my most/least profitable customers?

What?

- Is the age profile of my customers?
- Do my customers buy?
- New trends are emerging?

Where?

- Are product lines contributing to income & profit?
- Are my most profitable lines of business?

How?

- Successful are my marketing campaigns?
- Will clients react to my new product branding?

When?

Is the best time to reduce price?



... And are finding answers by turning data to insight.

How Are Companies Gaining Knowledge From Their Data?





They recognize that information, when treated as an asset, has the potential to transform their business.

Information Integration & Governance



They understand the business value of creating and maintaining a single view of key data domains such as customers, products and assets.

Master Data Management



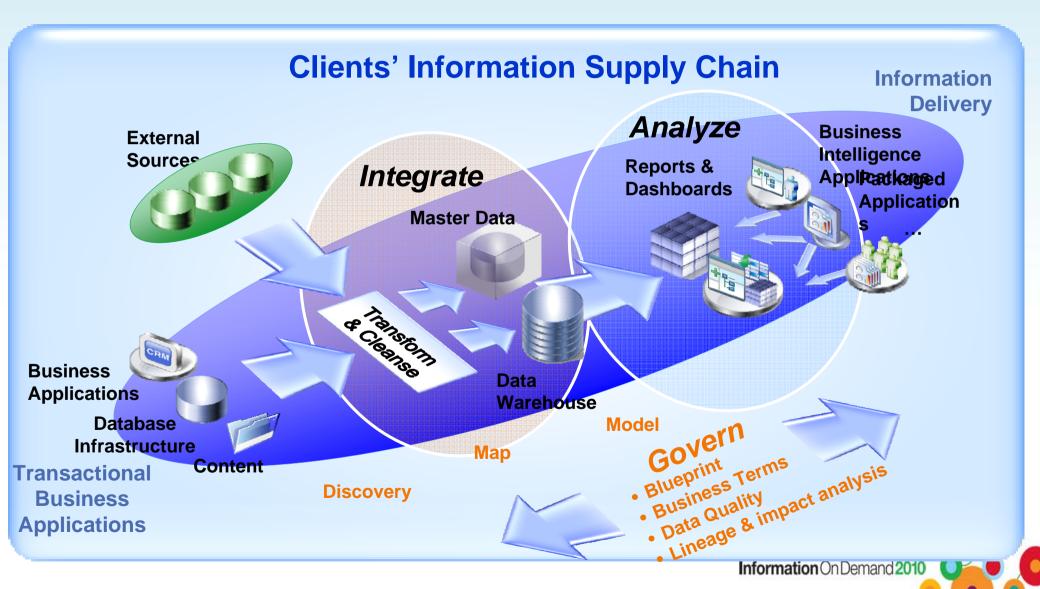
They focus on providing consumable, actionable information to the right people at the right time.

Business Analytics



Delivering business insight requires mastering your information Going beyond simply managing... to Optimizing Business Results



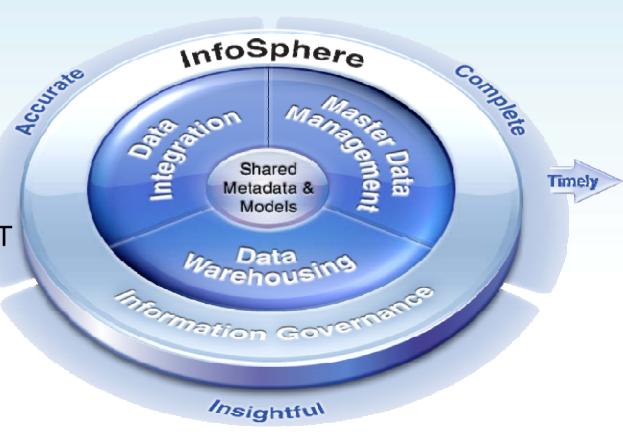


The InfoSphere Portfolio delivers unique synergistic value that accelerates and improves business results and reduces cost and risk



Accelerated value through:

- Deep integration across components
- Shared Understanding of existing assets
- Collaborative tools to align IT and business
- Shared model-driven design tools
- Pre-built accelerators to speed deployment





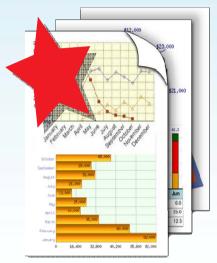
Information Integration & Governance

Information Trailblazers know how to harness the power of their information assets





Discover data, design optimal data structures, and govern data over time.







Understand

Cleanse

Use data quality capabilities to ensure reliable, accurate information.

Transform

Transform data from multiple sources for use with multiple targets.

Deliver

Deliver heterogeneous data to those who need it. when they need it.



Information Integration & Governance

IBM InfoSphere Information Server 8.5

 Market-leading data integration platform enabling Information Governance.



- Drive innovation through top down collaboration between business and IT
- Define the standard for enterprise-class information integration
- Extend leadership in integration automation and unified metadata
- Introduce best-in-class
 XML handling and SOA



Breaking News: 123% Six-year, Risk-Adjusted ROI for InfoSphere Information Server

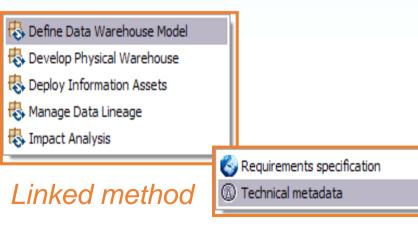
Forrester Consulting*

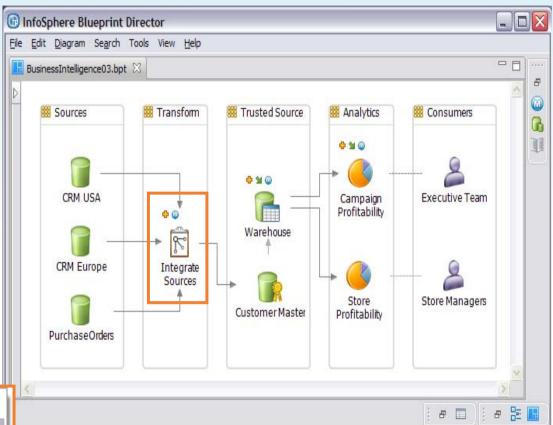
Information Integration & Governance

InfoSphere Blueprint Director – a game changer to align business & IT



A unique new paradigm for integration projects, allowing teams to define & manage the end-to-end flow of information.





Linked artifacts



Levels

8.5?

Empower the business user in data quality assessment

programs

Expose quality rules to business users

Allow LOB to review & validate the quality of data relative to key business elements (e.g. product)

Meet acceptable compliance levels and data hygiene

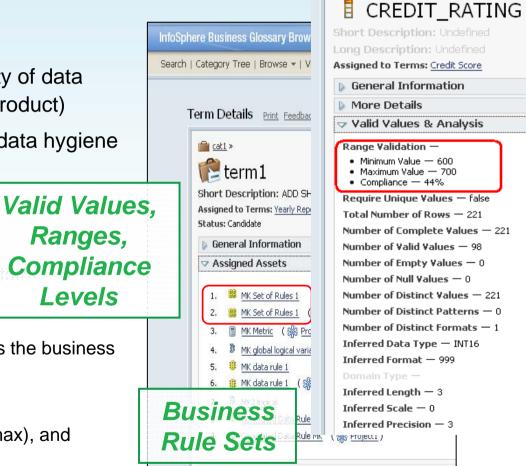
requirements

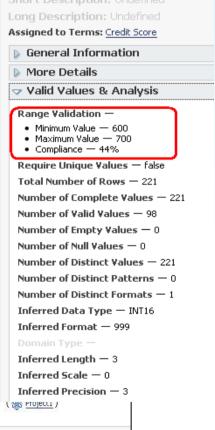
Features:

View business rules associated with

View the percentage of data that meets the business rule acceptance level

View valid values, value ranges (min/max), and summary of data domain contents







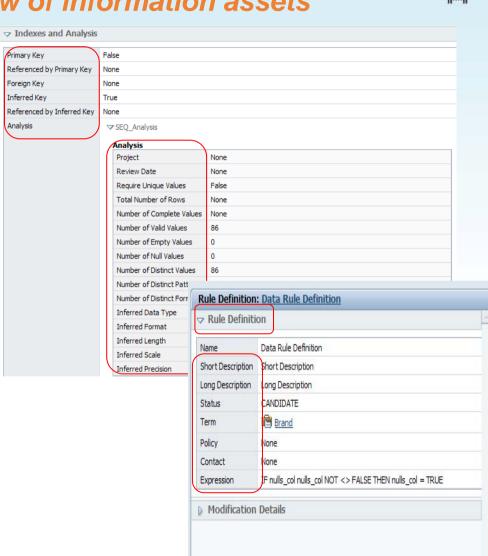


InfoSphere Metadata Workbench – What's new in 8.5? Gain visibility to a more complete view of information assets

- Get a complete picture and understanding of technical data elements with insights into their
 - Domain values
 - Relationships to other sources
 - Associated business rules

Features:

- View data relationships and insights discovered by InfoSphere Discovery
 - Database tables and columns
 - Database analysis and inferred database key information
- View data rule descriptions, policies, stewards, and rule expressions defined in InfoSphere Information Analyzer



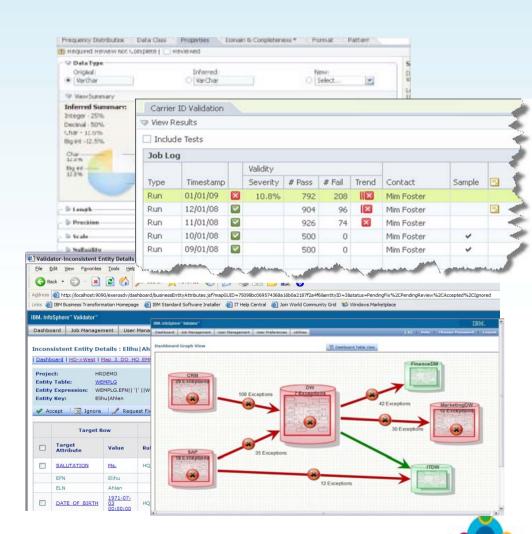
Information On Demand 20

InfoSphere Information Analyzer –What's new in v8.5?

EM.®

Continuously manage & monitor data quality

- Enhance collaboration between business and IT for data validation
 - Quickly associate or lookup terminology for data or rules
 - Identify valid values with terms
- Leverage analytical results in broader business context
 - CLI and REST API for publishing results to external files or building custom dashboards, applications, or reports
- Expanded native data source support
 - Added native Oracle connectivity
 - Enhanced ODBC, DB2, and Teradata connectivity
- Exception Management capabilities for managing source to target transformations
 - Review exceptions and recommend remediation

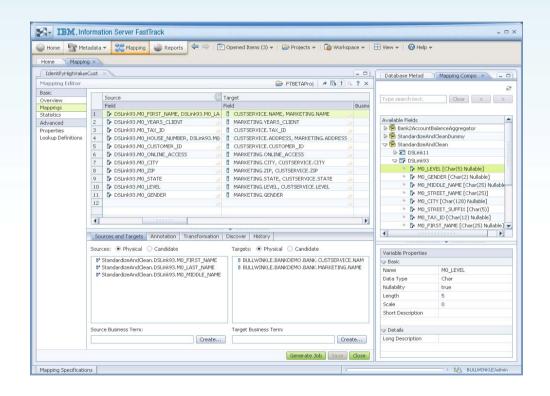


Information On Demand 201

InfoSphere FastTrack – What's new in 8.5? Business-driven data integration & automation



- Leverage prior knowledge to achieve consistency
 - Re-engineer ETL job designs to jumpstart specifications
 - Reuse discovered and established rules for consistent application
 - Create specifications from existing InfoSphere DataStage jobs
- Ensure compliance to organization standards
 - Establish template parameters for mapping specifications within project
 - Review specifications through configurable reporting
 - Track changes to mapping specifications through audit history
- Enhanced import of .CSV files
 - Map multiple columns to reduce effort

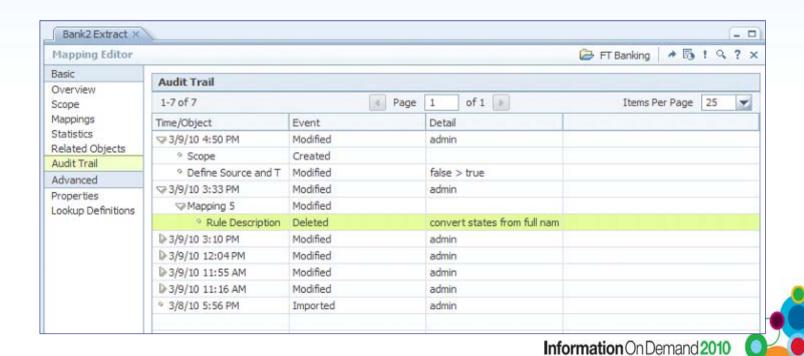




InfoSphere FastTrack – What's new in 8.5? Auditing of mapping specifications



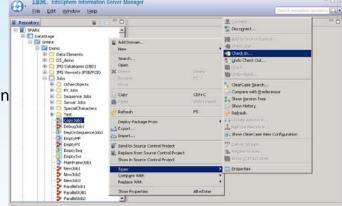
- Provides audit history and traceability by tracking changes over time: who + when + what + why was it changed
- At project level or mapping specification level
- Option to enable audit history



InfoSphere DataStage & InfoSphere QualityStage – What's new in 8.5 Overview of enhancements



- Increased Availability
 - Improved support and levels of HA
- SCCS integration
 - Integration with Enterprise Source Control providers via Eclipse Team Plugin
- Performance (Design and Runtime)
 - Improved Use Experience and runtime performance
- Balanced Optimization
 - Deliver seamless integration with DataStage GUI and improved metadata lineage
- Transformer Enhancements
 - Looping, improved NULL handling
- Vertical Pivot
 - Extend current Horizontal Parallel pivot
- z/OS File Stage
 - Deliver improved native MVS File processing support on Linux for System Z
- XML PACK (post vNext)
 - Deliver new features and improved performance / volume support
- Standardization and Match Specification reports
- Match Designer Enhancements





Information On Demand 201



Futures



Information Integration Roadmap

FUTURES



Strengthen Core

InfoSphere Synergies

- Common rules model for the tools
- Data-centric Analysis for Data Privacy, decommissioning/Archiving, Modeling, Classification
- Information Server Module for IBM Smart Analytics System

Automation and Accessibility

- SOA access to Business Glossary
- Job Migration Test Assistant
- Balanced Optimization evolution
- XML evolution

Enterprise Readiness

- Increased availability
- Improved connectivity
- · Continues focus on performance
- Enhanced automation in the install and migration process

Productivity and Enterprise Optimization

IBM SWG Synergies

- Collaboration enhancements for Information related projects
- Data Rules Accelerators and Stewardship for Industry Models and MDM
- Extended CDC Integration
- IA Rules integration with DS/QS
- Common Optim Data Privacy Rules

Automation and Optimization

- Entry level data Integration offering
- SOA access to Metadata Analysis
- Data Quality Knowledge Console
- Performance Optimizations
- Productivity and reusability enhancements
- New & enhanced transformation componentry

Operational Governance

- Production Monitoring & Control
- Workload Management

Automation and Logical design paradigm

IBM SWG Synergies

- Leverage Information
 Management, Tivoli, Rational portfolio
- Collaboration & Linkage of Data Integration related assets outside of Information Server

Business Centric Design

- Logical design paradigm linking conceptual information flows to concrete implementation to support varying degrees of developer skills
- Enhanced profiling, cleansing, transformation support for semistructured and other complex source systems
- Evolution of model integration to increase automation and linkages

Smarter Integration

 Autonomic Design optimization based on historical runs and operational metadata.

Discovery driven Integration



Business Analytics

IBM's Warehousing Portfolio offers Scale, Speed and Depth



A comprehensive portfolio:



Optim Performance Manager
Mashup Center



1050, 2050, 5600, 7700, 9600



Pack for Customer Insight
Pack for Market / Campaign Insight
Pack for Supply Chain Insight



Business Analytics InfoSphere Warehouse Mode

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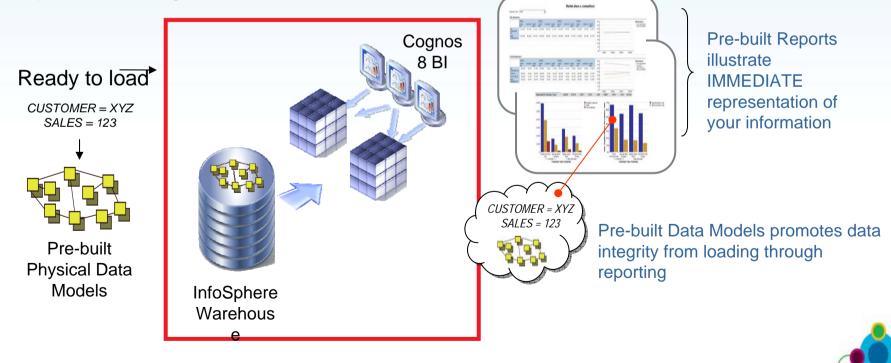
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InfoSphere Warehouse Model Packs

A set of pre-built, consolidated data structures and supporting components in areas of:

- Customer Insight
- Market and Campaign Insight

Supply Chain Insight





Thank You

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