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InformationOnDemandIndia2011

The Premier Conference for Information Management Manage. Analyze. Govern.

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Agenda



- What is the problem?
- What is Information Governance and how is it important to my business?
- IBM and Information Governance
- Getting Started
- InfoSphere Foundation Tools





Challenges around governing the usage, sharing and processing of massive amounts of electronic data



Lack of trusted information

- No alignment of definitions across business and IT
- No clear understanding of data sources & relationships
- No standardized quality rules or threshold metrics
- Lack of control over test data environments

Growing infrastructure and resource management costs

- No policies for management of data growth performance degradation
- Redundancy of data
- Disparate, complex applications and more users

Lack of common security and privacy approach

- Risk of security breaches, compliance, audit failures
- No ability to assess areas of vulnerability and prevent unauthorized intrusion
- Lack of an overall protection strategy (relational / non-relational data and access controls)

"By 2013, 25% of the companies in highly regulated industries will create and staff positions in accounting, human resources, compliance and audit and law that deal explicitly with the management of information via technology."

- Gartner, Inc., "Organizing for Information Governance"
 Debra Logan, November 2009
- "...An [Information Management] strategy should incorporate life-cycle information governance practices...[for] business optimization, agility, and transformation.
- Forrester Research, "Refresh Your Information
 Management Strategy to Deliver Business Results"
 Rob Karel & James G. Kobielus, August 2009

"If you are going to protect your company's most valuable asset—your data—you will begin to view data security as a component of a more comprehensive information governance strategy."

 Hurwitz & Associates, "Why you need an information governance strategy for 2010"
 Marcia Kaufman, December 2009



Information Governance Creates Order out of Information Chaos



Information Governance is the exercise of decision rights to optimize, secure and leverage data as an enterprise asset.

- Orchestrate people, process and technology toward a common goal
- Promotes collaboration
- Derive maximum value from information



- Leverage data as an enterprise asset to drive opportunities
- Safeguards information
- Ensure highest quality
- Manage it throughout lifecycle



Governing the creation, management and usage of enterprise data is not an option any longer. It is:

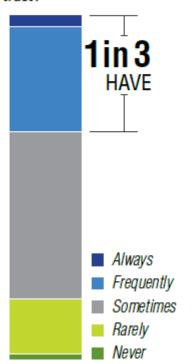
Expected by your customers ◆ Demanded by the executives ◆ Enforced by regulators/auditors



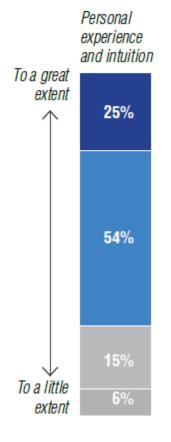
Information Governance: Why? ...Pain Points

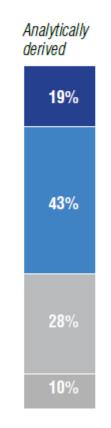


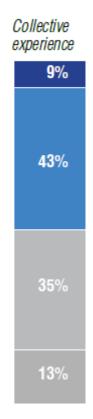
How often have you made major decisions with incomplete information or information you don't trust?



To what extent do you make business decisions based on the following factors?



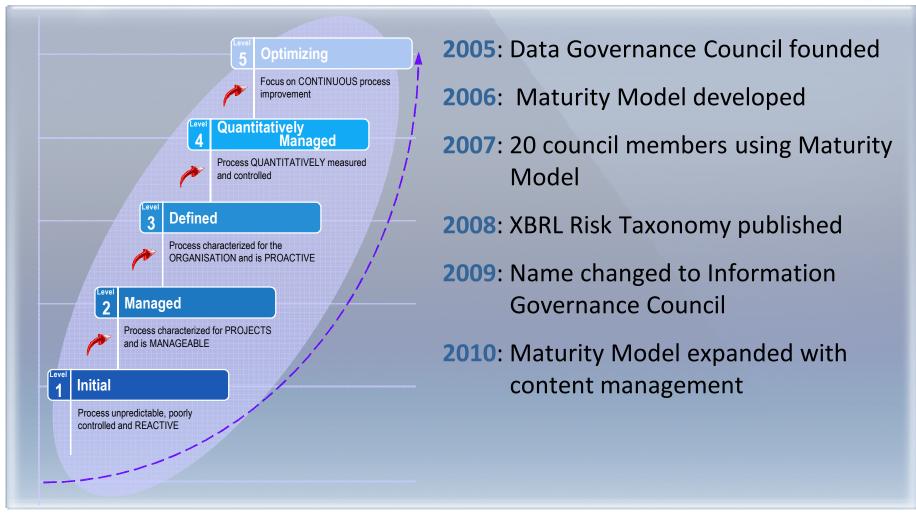




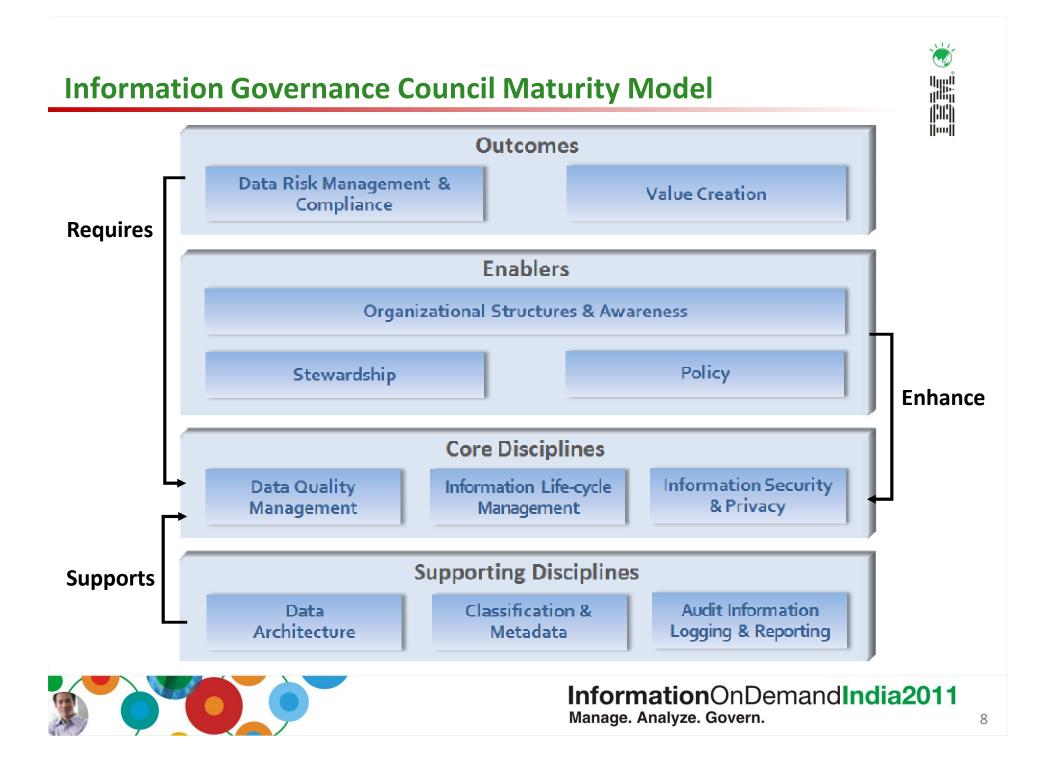


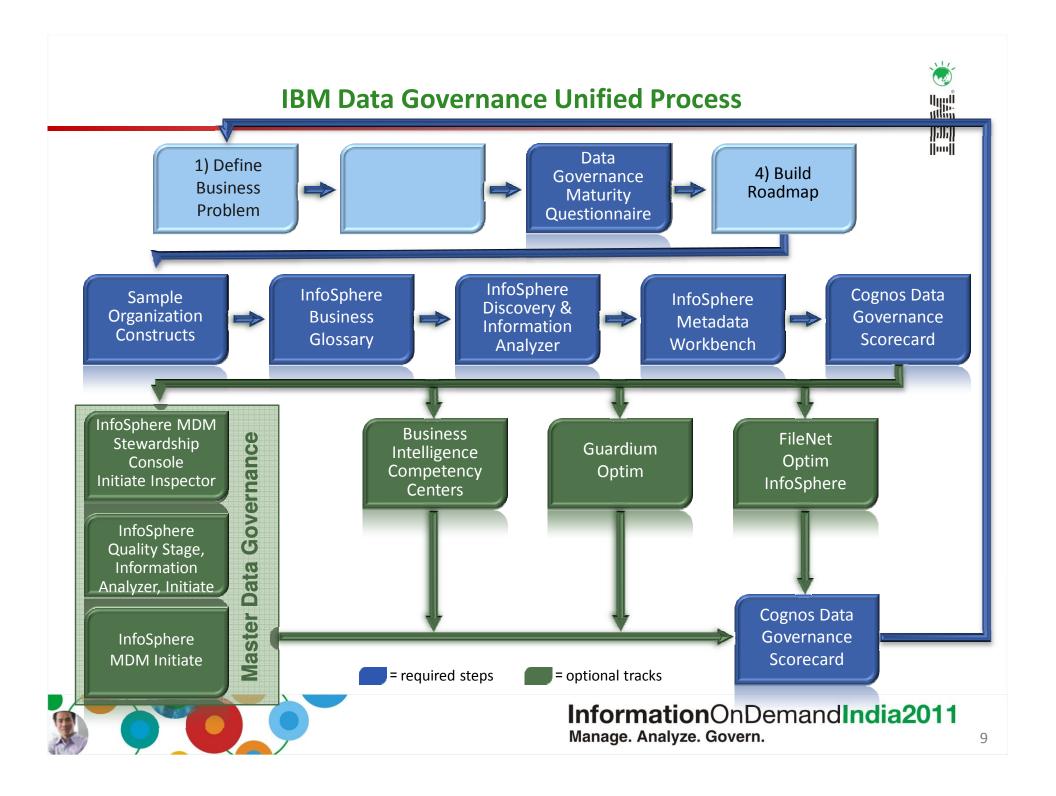
IBM's History of Thought Leadership in Information Governance







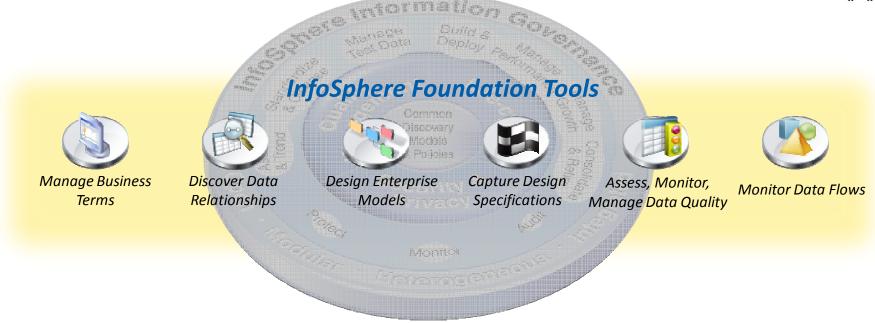




InfoSphere Foundation Tools

Put your arms around your data ... for Trusted Information





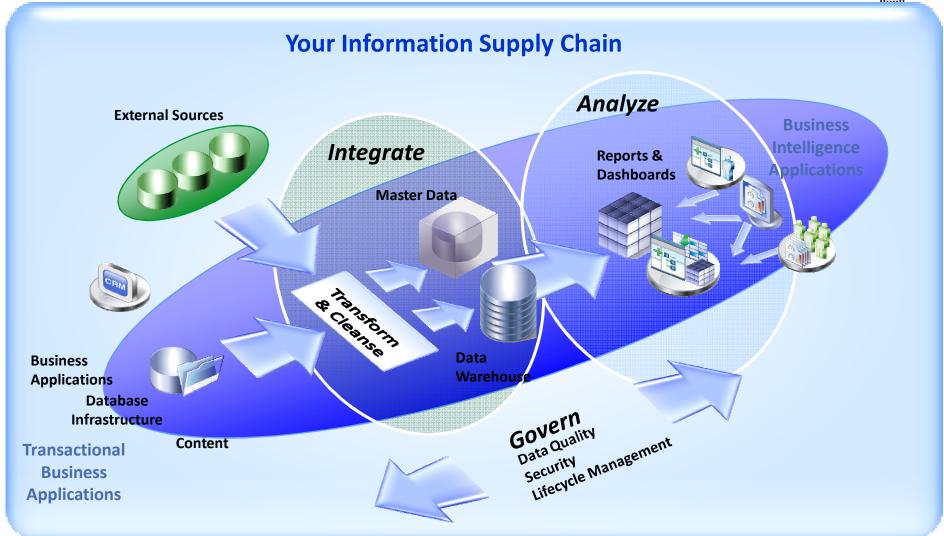
- Jump start any data integration, MDM, data warehousing, business intelligence or information governance project
- Discover your data across systems
- Design your trusted information structure
- Govern you information over time



Delivering business insight requires mastering your information

Going beyond simply managing... to Optimizing Business Results







Information Governance and InfoSphere Foundation Tools



Key Governance Capability

- Establish a common set of terms and definitions
- Understand the data I have in my organization
- Understand the way that data flows and how it is connected
- Assign meaning to data assets
- Assign ownership to data assets
- Monitor data quality

Foundation Tools product

- ✓ InfoSphere Business Glossary
- ✓ InfoSphere Discovery & InfoSphere Information Analyzer
- ✓ InfoSphere Metadata Workbench
- ✓ InfoSphere Business Glossary, Information Analyzer, Metadata Workbench
- ✓ InfoSphere Business Glossary, InfoSphere Metadata Workbench



Blueprint Director

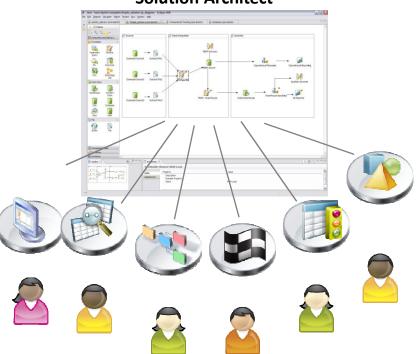
The GPS for your Information Project

- Create and manage actionable blueprints of your information project
- Accelerate information centric projects by leveraging templates with methods

 e.g. warehousing, master data –
 and customize your best practices
- Navigate through your information project by managing the information roadmap & its evolution over time
- Establish business-driven development by
 - aligning business & IT views
 - creating a consistent end-to-end design from business requirements



Information Solution Architect



Information project leadership team

(stakeholders, bus. Analysts, stewards, specialty architects, etc.)



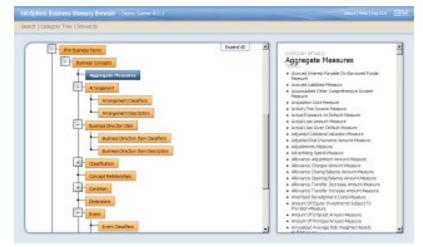
Business Glossary: Define your information and its meaning



Capabilities:

- Capture important terms

 e.g. for key data elements
- Classify your assets: where do I find which business term
- Assign data stewards: who is responsible for which data domain (and terms)
- Benefits
 - Align business & IT
 - Faster time to value
 - Reduce risk
 - Establish your governance strategy





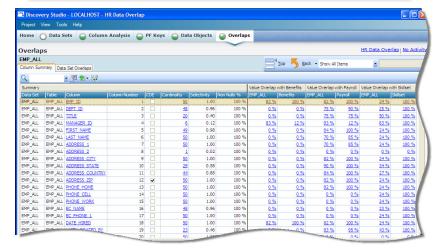


InfoSphere Discovery: Discover your information



- Capabilities
- Automatic data analysis
- Identify data relationships;
 e.g. customer, counterparty, invoice
- Relate source data objects across multiple sources
- Identify technical data elements to populate the hub
- Benefits
 - Increase your time to value by automating the analysis of your data sources







Information Analyzer: Data Quality Monitoring



- Integrated Rules Analysis to provide development, deployment, and evaluation of critical data rules on an ongoing basis
- Business-driven Rule Definition with reusable construction and application across multiple data sources speeding time-to-value
- Multi-level Rule Assessment of Data Sources with evaluation at the rule-, record-, and source-levels providing significantly greater insight into potential quality issues
- Full, Sampled, or Stratified Source Processing through user-driven configuration allowing for flexible data quality evaluations
- Adhoc, Scheduled, or Command-driven Execution with parallel processing support drives data quality monitoring when and where it is needed

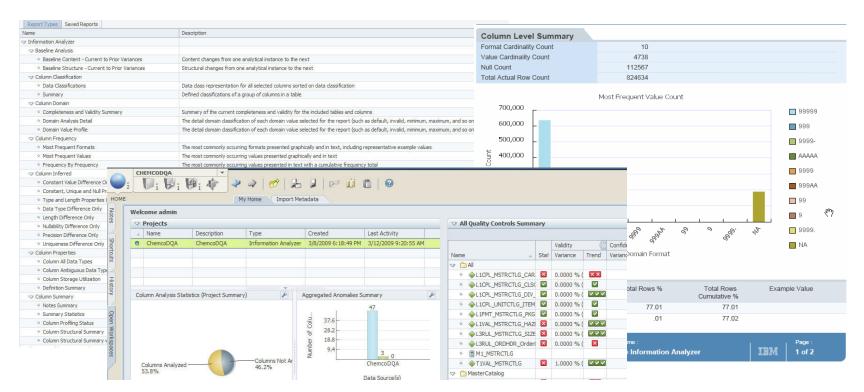




Information Analyzer: Data Quality Reporting



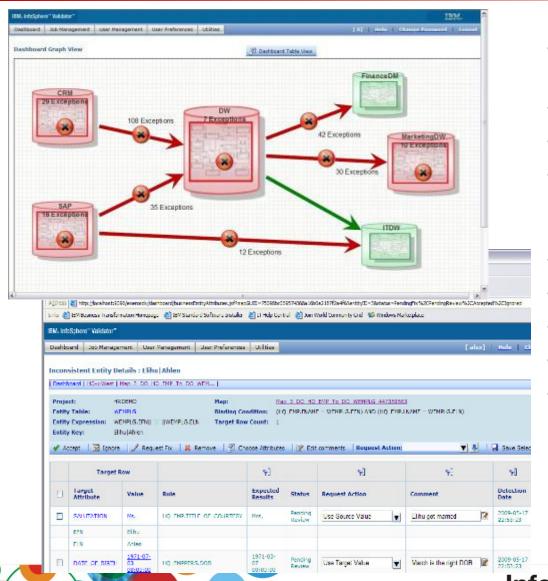
- Dashboard and Reporting Capabilities in support of rules monitoring
- 80+ out-of-the-box Reports viewable through IA UI or Reporting Console browser in XML,
 HTML, PDF, RTF, or TXT format
- Command line Execution providing additional integration approaches for delivery of data quality information





Exception Manager: Manage Data Quality Exceptions





- Ongoing validation and remediation of data quality rules
- · Reconciliation of exceptions
- Previously found, fixed and ignored
- Browser based quality dashboard and remediation console for the Data Steward
- Drillable quality stats
- Configurable display
- Trending reports
- Excel report generation
- Exception lifecycle tracking

Metadata Workbench: Trace Data Movement

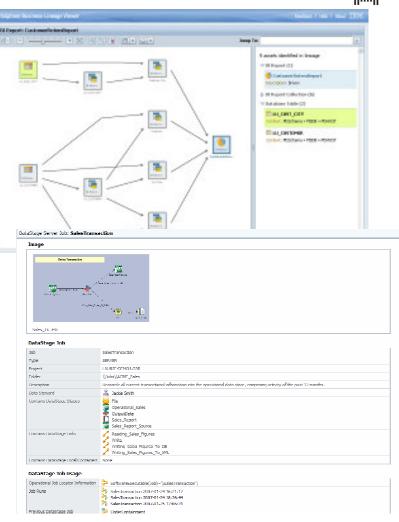


Capabilities

- Trace your data movement from sources to applications and business reports
- Understand relationships across your data flows
- Analyze the impact of changes to your data
- Centralized management of your IT assets

Benefits

- Govern your data by understanding where its coming from and where its being used
- Support audit and regulatory compliance requirements by reporting on your operational metadata





Business Glossary: Document

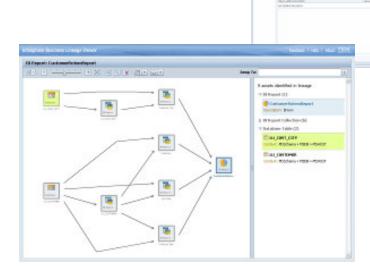


Capabilities

- Capture and communicate your terms and relationships to IT assets
- Document assignment of data stewards
- Record your mapping specifications
- Report on your end-to-end data flows

Benefits

- Governance
- Compliance
- Lasting Value





Information Governance Resources



Recommended reading:

IBM Data Governance Unified Process

Sunil Soares – Director, Information Governance

https://i2.infoprint.com/sales/catalogs.nsf/agswgcatalogint?openagent

IBM Data Governance Council

http://www.ibm.com/ibm/servicemanagement/us/en/data-governance.html





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