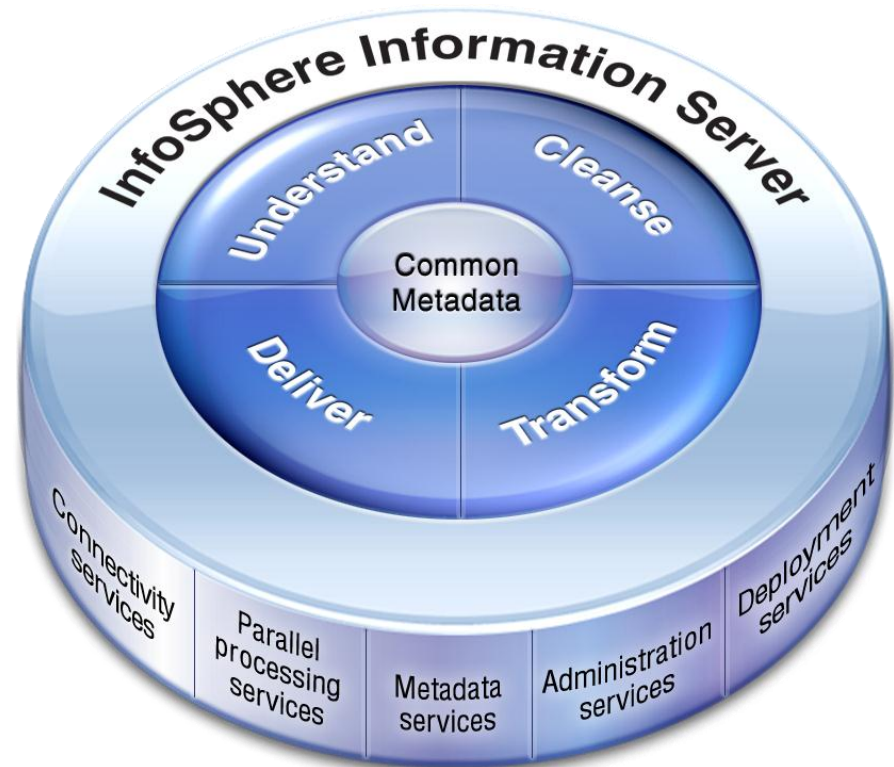


IBM InfoSphere Information Server is the market-leading data integration platform

- Complete data lineage insight
- Scalable to manage exploding data volumes
- Operational integration 24x7
- Aligns business and IT objectives
- Connects to existing data sources



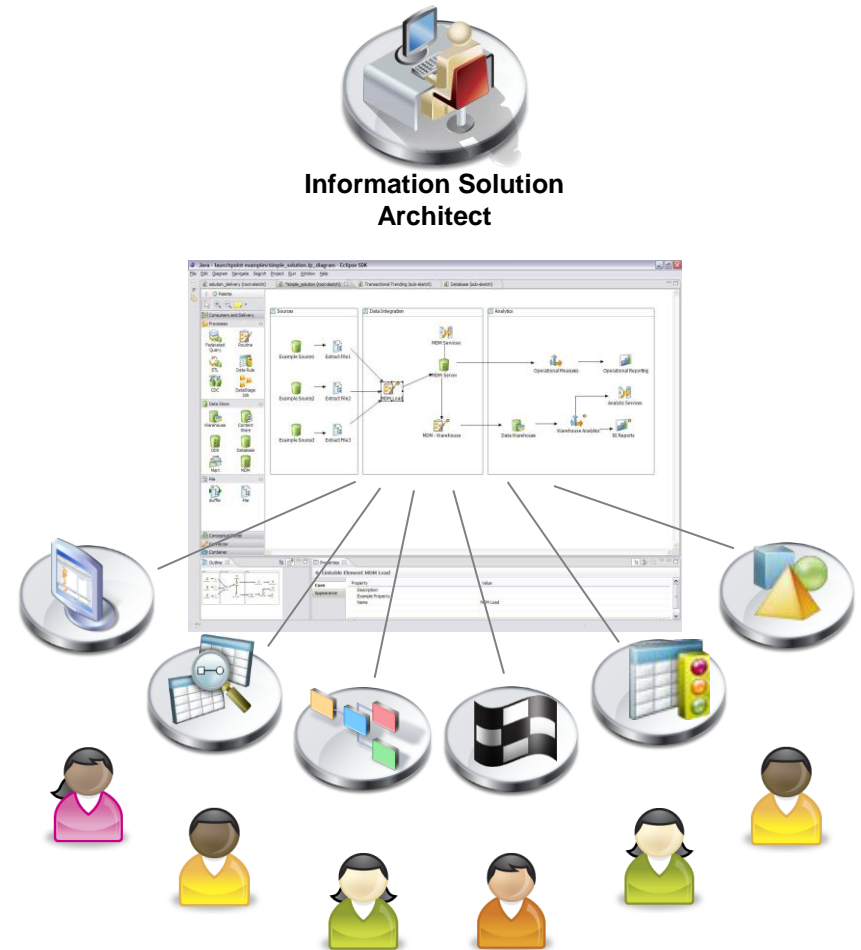
Three Key Marketing Themes for Information Server 8.5

<p>Improve time to value</p> <p>Achieve new levels of data integration to address a rapidly growing number of formats and back-end systems</p>	<ul style="list-style-type: none"> • Revolutionary XML handling capabilities • Enhanced transformation stages and lifecycle management of ELT-generated logic • Advanced metadata flows and automation across tools • Reliable, real-time trickle feeds to ETL process to alleviate batch windows
<p>Address expanding enterprise requirements</p> <p>Meet the most demanding availability, scalability and performance needs of large enterprises</p>	<ul style="list-style-type: none"> • High availability and clustering support • Improved performance for large development teams • Improved end-to-end XA support • New grid toolkit to enable simplified scaling to grids
<p>Accelerate data integration projects</p> <p>Improve insight into and management of data integration projects through new features and enhanced capabilities</p>	<ul style="list-style-type: none"> • Blueprint Director is a new capability to further strengthen the alignment of business and IT allowing you to govern your information projects • Simplified installation, configuration, and patching tools • Direct tooling integration with standard source code control systems • Automatic generation of mapping specifications from existing job designs to accelerate analyst collaboration • Enhance collaboration between business and IT through data validation, publishing of data quality information and viewing lineage from you data discovery effort

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
- Establish business-driven development by
 - aligning business & IT views
 - creating a consistent end-to-end design from business requirements
- Navigate through your information project by managing the information roadmap & its evolution over time



Information project leadership team
 (stakeholders, bus. Analysts, stewards, specialty architects, etc.)

Overview of the interface

Diagram for a blueprint

- Method browser (displaying method content)
- Asset browser (browsing metadata repository)
- Glossary explorer (showing glossary tree view)

Palette free form "sketching" elements

IBM Business Intelligence Reference Architecture - Topology View

Outline (zoom in/out view)

Blueprint explorer (shows tree view of the elements in the blueprint)

Context specific property view

Sketch		
Core	Property	Value
Rulers & Grid		
Appearance		

Business Glossary – What’s New in 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 a term
- 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

The screenshot displays the 'InfoSphere Business Glossary Browser' interface. The main content area shows the 'Term Details' for 'CREDIT_RATING'. The interface is divided into several sections:

- Term Details:** Includes 'Valid Values, Ranges, Compliance Levels' (highlighted with a green box).
- General Information:** Shows 'Short Description: Undefined', 'Long Description: Undefined', and 'Assigned to Terms: Credit Score'.
- Valid Values & Analysis:** Contains a 'Range Validation' section (highlighted with a red box) with the following details:
 - Minimum Value — 600
 - Maximum Value — 700
 - Compliance — 44%
 Other statistics include: 'Require Unique Values — false', 'Total Number of Rows — 221', 'Number of Complete Values — 221', 'Number of Valid Values — 98', 'Number of Empty Values — 0', 'Number of Null Values — 0', 'Number of Distinct Values — 221', 'Number of Distinct Patterns — 0', 'Number of Distinct Formats — 1', 'Inferred Data Type — INT16', 'Inferred Format — 999', 'Domain Type —', 'Inferred Length — 3', 'Inferred Scale — 0', and 'Inferred Precision — 3'.
- Assigned Assets:** Lists several assets, including 'MK Set of Rules 1' (highlighted with a red box) and 'MK2 logical'.
- Business Rule Sets:** A section (highlighted with a green box) showing a list of business rules associated with the term.

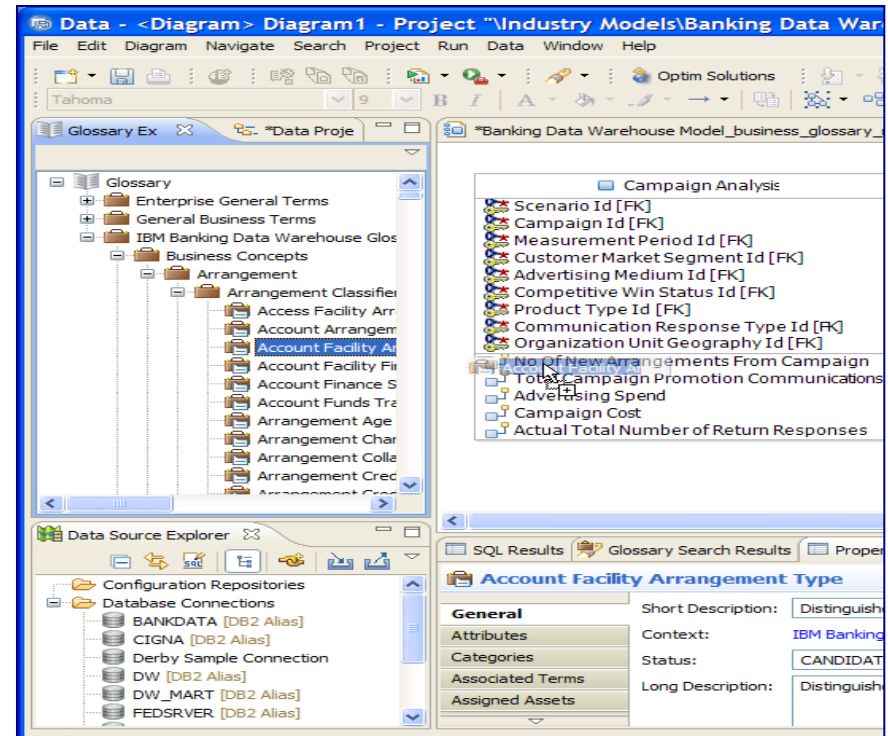
Business Glossary – What's New in 8.5?

Extend the Collaboration between Business and IT

- Expose business terms to data modelers
- Ensure data modeling is driven by business objectives and thru collaboration with LOB
- Minimize communication latency and implement projects faster

Features:

- Browse and search business terms
- View term definitions, data stewards, term status (candidate, accepted, deprecated, etc.) and other properties
- Name model elements based on terms
- Assign (classify) model elements to terms and publish to Business Glossary



InfoSphere Data Architect showing Business Glossary terms in the left navigation tree, with drag and drop capability to the modeling canvas

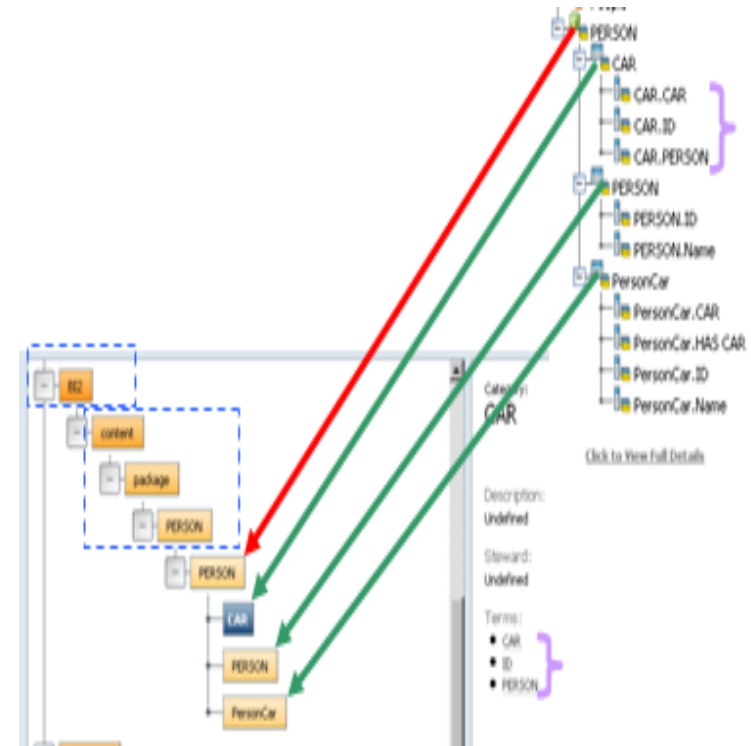
Business Glossary – What's New in 8.5?

Increase the Productivity of Business Intelligence Projects

- Jump-start glossary content from your BI platform
- Share BI and reporting terminology across the organization
- Build a glossary that is aligned with your BI projects to rapidly improve the productivity and communication among your BI users

Feature:

- Populate glossary categories and terms from various Business Intelligence models



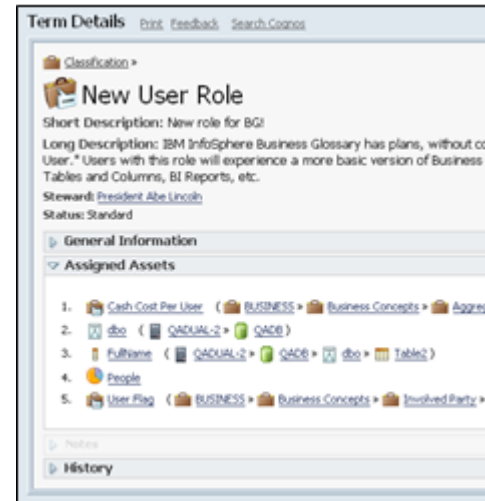
Business Glossary – What’s New in 8.5?

Empower the “Casual” Business User

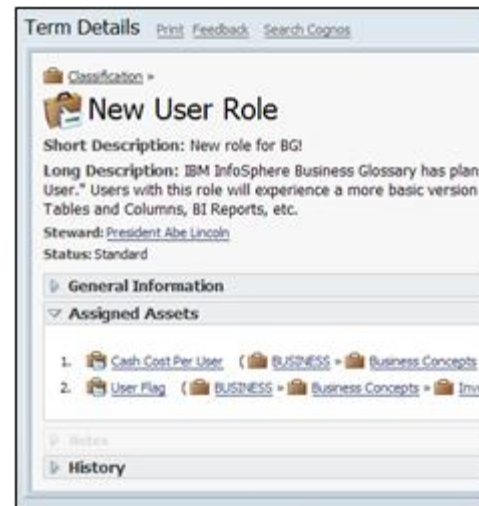
- Establish a common understanding among all users, including casual every day users who don’t need any technical information
 - *Customer service representatives*
 - *Human resources*
 - *Branch tellers*
 - *Claim agents*

Feature:

- The “Basic” user view displays business terms and definitions, without listing the relative underlying technical assets



Business Glossary’s normal view



Business Glossary’s “Basic” user view

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 Information Analyzer

The screenshot displays the 'Indexes and Analysis' section of the Metadata Workbench. It features a tree view on the left with nodes for 'Primary Key', 'Referenced by Primary Key', 'Foreign Key', 'Inferred Key', 'Referenced by Inferred Key', and 'Analysis'. The 'Analysis' node is expanded to show a table of analysis metrics for 'SEQ_Analysis'. A separate window titled 'Rule Definition: Data Rule Definition' is overlaid, showing a table of rule details for a 'Data Rule Definition'.

Indexes and Analysis	
Primary Key	False
Referenced by Primary Key	None
Foreign Key	None
Inferred Key	True
Referenced by Inferred Key	None
Analysis	SEQ_Analysis

Analysis	
Project	None
Review Date	None
Require Unique Values	False
Total Number of Rows	None
Number of Complete Values	None
Number of Valid Values	86
Number of Empty Values	0
Number of Null Values	0
Number of Distinct Values	86
Number of Distinct Patt	
Number of Distinct Forr	
Inferred Data Type	
Inferred Format	
Inferred Length	
Inferred Scale	
Inferred Precision	

Rule Definition: Data Rule Definition	
Rule Definition	
Name	Data Rule Definition
Short Description	Short Description
Long Description	Long Description
Status	CANDIDATE
Term	Brand
Policy	None
Contact	None
Expression	IF nulls_col nulls_col NOT <> FALSE THEN nulls_col = TRUE
Modification Details	

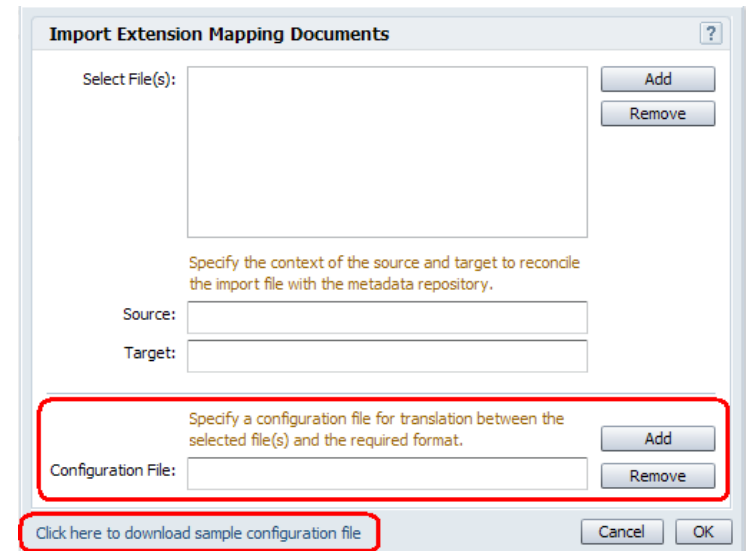
Metadata Workbench – What's New in 8.5?

Extend the Data Lineage Coverage

- Enrich data lineage flows by including
 - Designed data transformation rules
 - Discovered and detected legacy lineage
 - *Among various data sources*
 - *Between two databases connected through homegrown solutions*

Features:

- Display FastTrack source to target mappings in data lineage
- Display discovered relationships between data sources and targets generated by Discovery

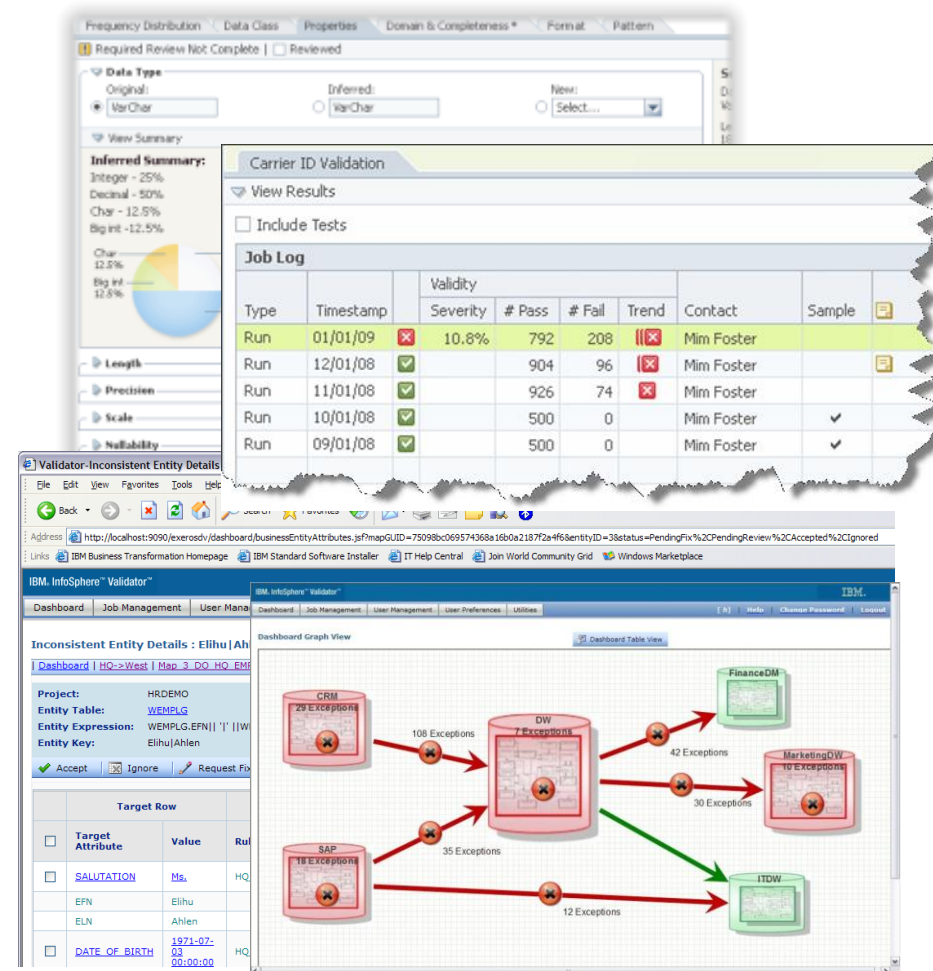


```
<?xml version="1.0"?>
<config>
  <header>true</header>
  <columns>
    <column index="1">Source Columns</column>
    <column index="3">Target Columns</column>
    <column index="4">Rule</column>
    <column index="5">Function</column>
    <column index="8">Specification Description</column>
    <column index="9">Runtime Value (Custom Attribute)</column>
    <column index="10">Name</column>
  </columns>
</config>
```

Information Analyzer –What’s New in v8.5?

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



Enhanced Collaboration with Business Glossary and Metadata Workbench

CUSTOMER

View Analysis Summary Right-click to associate term with table

Table Totals **Column Attributes Reviewed:**

Total Rows: 1,019 Total Columns: 8 Data Class: 0 Properties: 0 Domain: 0 Format:

REGION: (1 of 7 columns)												
Name	Sequence	Records	Definition	Cardinality Percent	Data Class Inferred	Data Type Inferred	Length Inferred	Precision Inferred	Scale Inferred	Data Value Min		
REGION	7	1019		99.75		String						

Select All
 Clear Selection

 Copy

 Properties
 Sample Content
Associate with Term
 Associate with Policy
 Associate with Contact

Right-click > select Associate Term
 Consistent – Understand Context

Overview Frequency Distribution **Data Class** Properties C

Inferred: Identifier **Related Terms:** Region Term Properties

Selected: Identifier ▼ **Personal Information:** No

Inferred Data Class				Data Values for Sele
Data Class	Count	Percent	Status	

- Fast access to Business Glossary Terms
- Connect tables and columns to Terms via right-click menu options
- Display linked Terms and associated properties as part of Data Classification

Validity and Value Information in Business Glossary and Metadata Workbench

Available information includes:

- Method of validation used
- Percentage of valid data
- Min/Max values
- Validation range
- Reference table information

Term Details [Print](#) [Feedback](#)

General Terms »

Credit Score

Short Description: Undefined
 Long Description: Undefined
 Steward: Undefined
 Assigned to Terms: Undefined
 Status: Candidate

▶ General Information

▼ Assigned Assets

1. [CREDIT_RATING](#) ([IA-MAPLE-APPS](#) » [Bank](#)

▶ Notes

▶ History

CREDIT_RATING

Short Description: Undefined
 Long Description: Undefined
 Assigned to Terms: [Credit Score](#)

▶ General Information

▶ More Details

▼ Valid Values & Analysis

Range Validation —

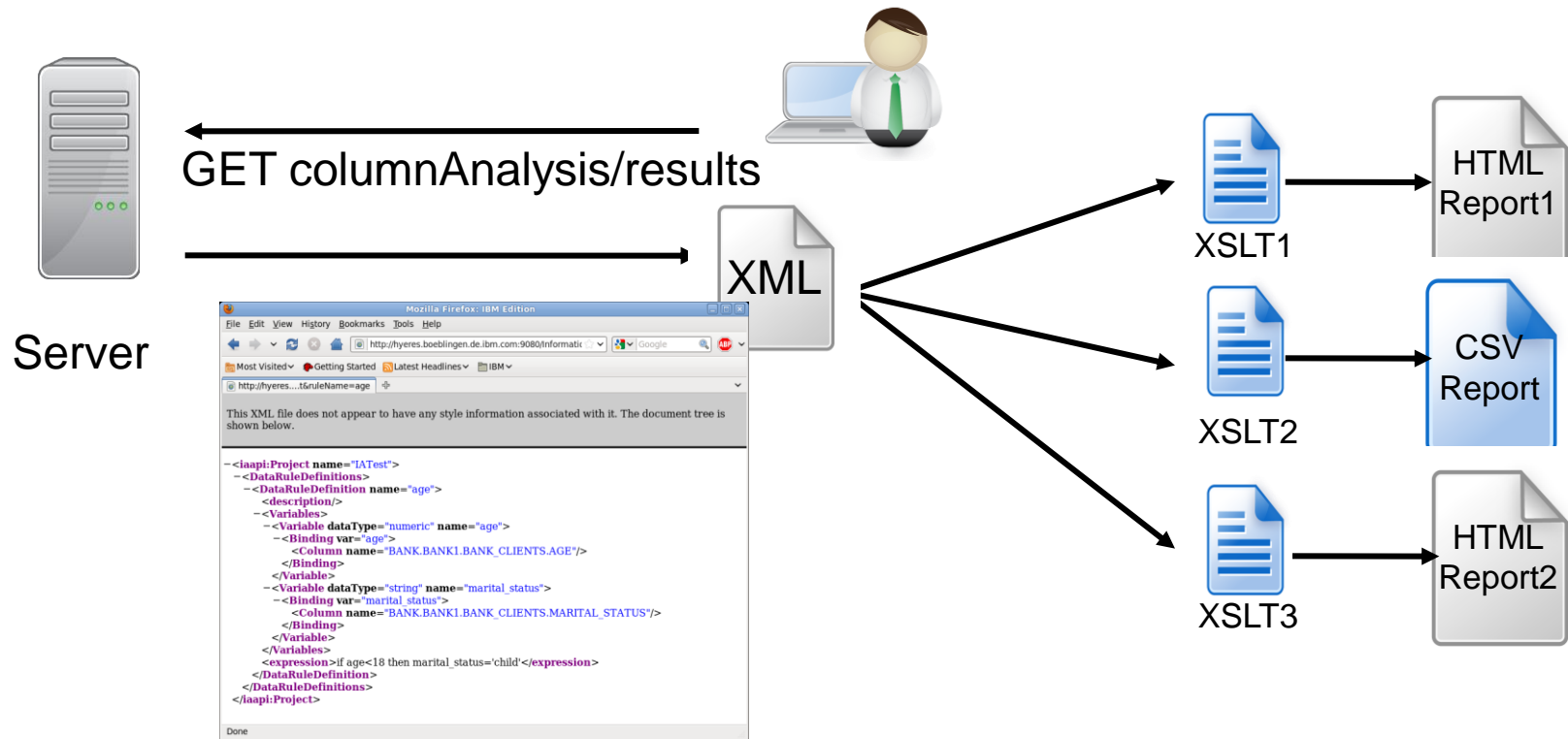
- Minimum Value — 600
- Maximum Value — 700
- Compliance — 44%

Require Unique Values — false
 Total Number of Rows — 221
 Number of Complete Values — 221
 Number of Valid Values — 98
 Number of Empty Values — 0
 Number of Null Values — 0
 Number of Distinct Values — 221
 Number of Distinct Patterns — 0
 Number of Distinct Formats — 1
 Inferred Data Type — INT16
 Inferred Format — 999
 Domain Type —
 Inferred Length — 3
 Inferred Scale — 0
 Inferred Precision — 3

Flexible Processing and Result Publication

REST API / CLI

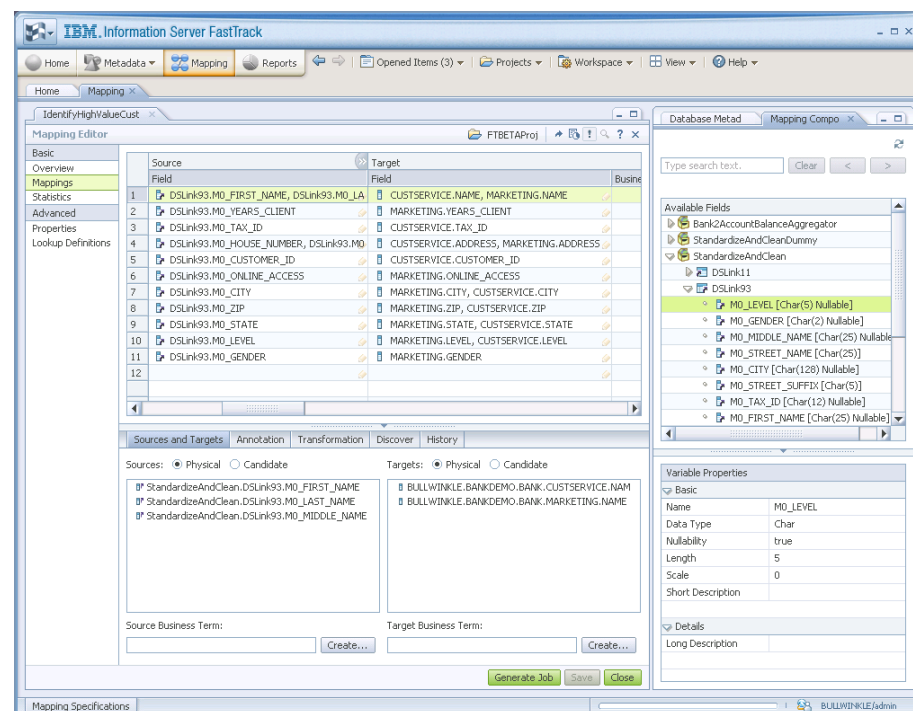
- Provide external access to Information Analyzer results, rules, and project information
- Utilize data as needed for external or downstream processing (such as custom reports)
 - Incorporate into scripts, customer dashboards, or applications
 - Results generated as XML files for flexibility



InfoSphere FastTrack v8.5 –What's New in 8.5?

Business-driven Data Integration & Automation

- Leverage prior knowledge to achieve consistency
 - Re-engineer ETL job designs to jump-start 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



Reverse Engineering of DataStage Jobs

- Starting point for new work or as documentation of the finalized job specification
 - Create specifications including the sources, targets, and identifiable transformation rules

Source		Target		Business Term	R	Rule Expression	Status	Last Update
ID	Field	Field						
1	CHECKING.ADDR.1	CUSTOMERS.ADDR.1						
2		CUSTOMERS.ONLINE_ACCESS				setNull()		
3	CHECKING.ADDR.2	CUSTOMERS.ADDR.2						
4		CUSTOMERS.GENDER				setNull()		
5	CHECKING.STATE	CUSTOMERS.STATE						
6	CHECKING.ZIP	CUSTOMERS.ZIP						
7		CUSTOMERS.LEVEL				setNull()		
8		CUSTOMERS.YEARS_CLIENT				setNull()		
9	CHECKING.ACCOUNT_BALANCE	CUSTOMERS.ACCOUNT_BALAN						

Mapping Editor

Name: *
bank1_Extract_Answer

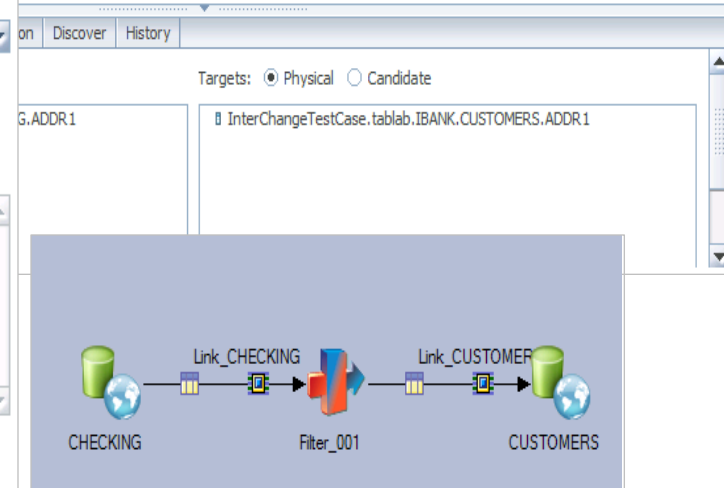
Status: Deployed

Owner: admin

Description:
The mapping specification was retrieved from the following DataStage Job:
IBM-MKLUMPP//dstage1//Bank1_Extract_Answer
Extracted DataStage Job description:

Created: 5/27/10 11:11 AM Last Modified: 5/27/10 11:11 AM

Created by User: admin Modified by User: admin



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

The screenshot shows a web application window titled "Bank2 Extract" with a "Mapping Editor" tab. The left sidebar contains a navigation menu with items: Basic, Overview, Scope, Mappings, Statistics, Related Objects, Audit Trail (highlighted), Advanced, Properties, and Lookup Definitions. The main content area displays an "Audit Trail" table with the following data:

Time/Object	Event	Detail
3/9/10 4:50 PM	Modified	admin
◦ Scope	Created	
◦ Define Source and T	Modified	false > true
3/9/10 3:33 PM	Modified	admin
◦ Mapping 5	Modified	
◦ Rule Description	Deleted	convert states from full nam
▶ 3/9/10 3:10 PM	Modified	admin
▶ 3/9/10 12:04 PM	Modified	admin
▶ 3/9/10 11:55 AM	Modified	admin
▶ 3/9/10 11:16 AM	Modified	admin
◦ 3/8/10 5:56 PM	Imported	admin

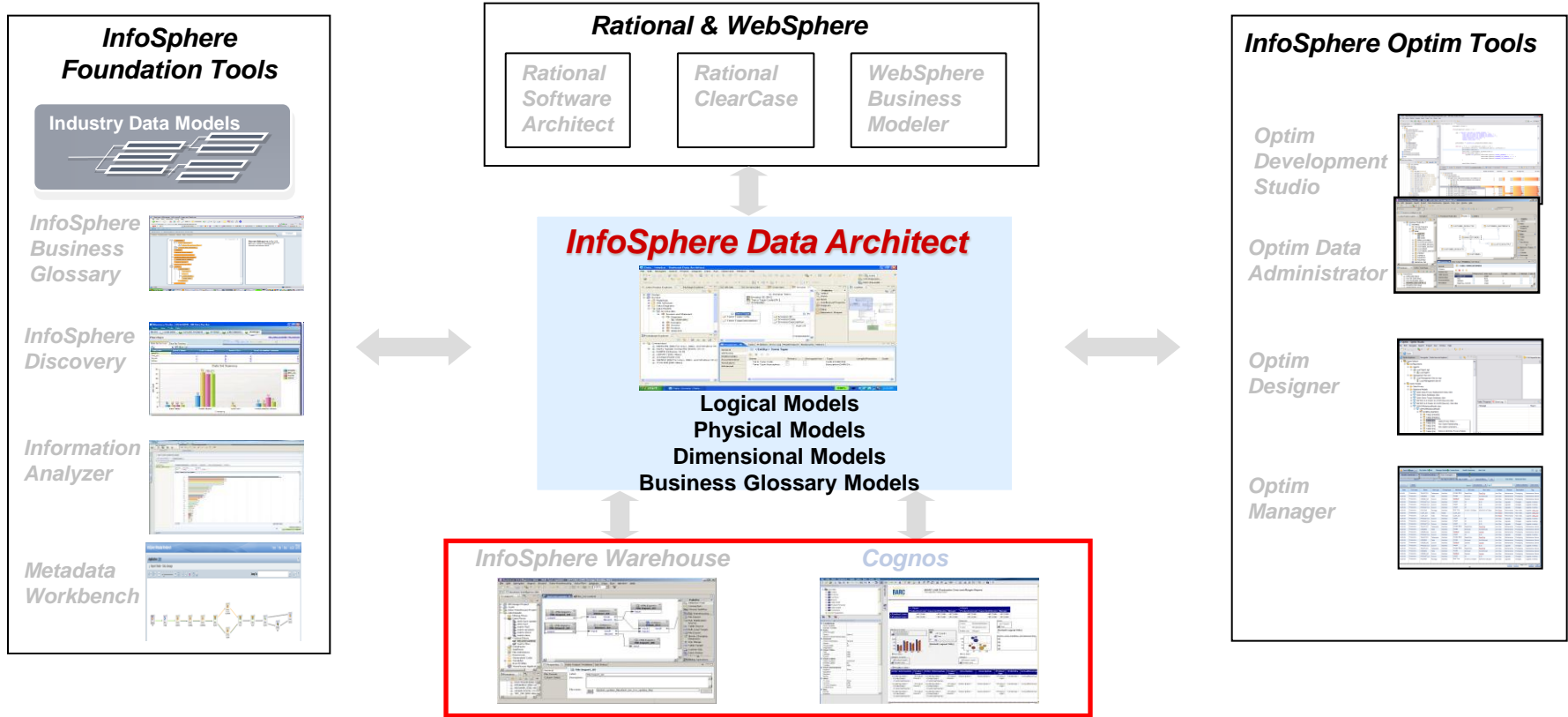
Data Architect –What's New ?

Enhancements to improve ROI of warehousing and BI initiatives

- **Dimensional modeling to enhance data warehouse and BI ROI**
 - Data design and business analysis integration to reduce development time of data warehouse and BI initiatives
 - ✓ Dimensional model aligned to InfoSphere Warehouse OLAP solution
 - ✓ Deliver consistent information to business users with Cognos BI integration
 - Single source for enterprise models
 - ✓ Enriched dimension notations and diagramming options
 - ✓ Multi-layer design with logical and physical dimensional models
 - ✓ Ability to align changes in business and IT using forward synchronization
 - ✓ Faster impact analysis
- **Enhanced productivity and visualization**
 - Incorporate IBM ILOG technology for data model visualization
 - New comparison filter options to streamline change management between models and databases

New! InfoSphere Data Architect Integration

Support for Cognos and InfoSphere Data Warehouse



Data model of record for the enterprise

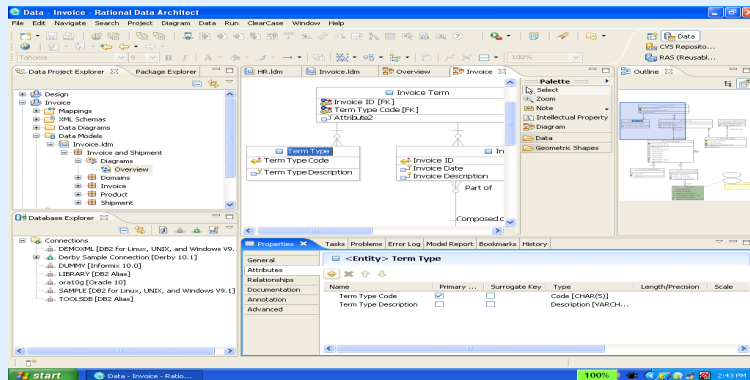
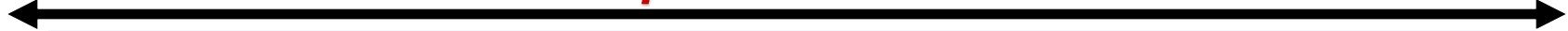
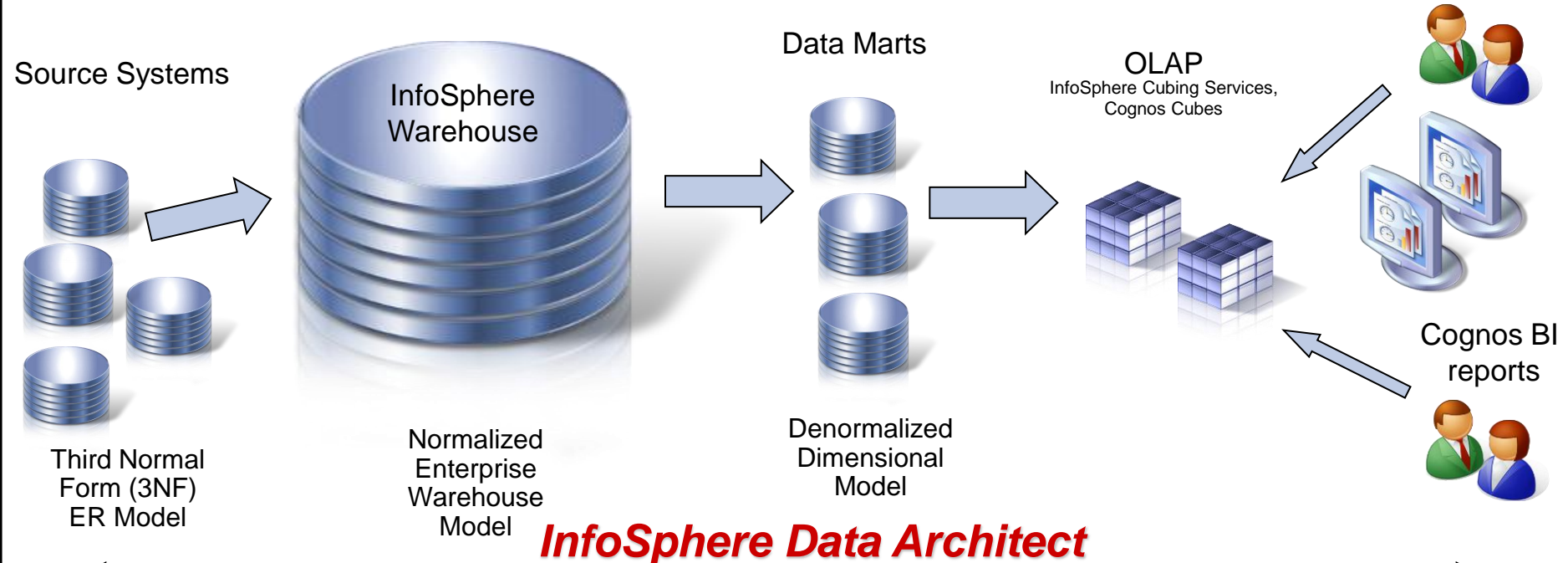
- ✓ Design warehouse optimized for BI
- ✓ Ensure business requirements are met
- ✓ Deliver accurate reports

Fast time to value for warehouse design

- ✓ Auto discover warehouse schemas
- ✓ Determine problems quickly across warehouse/BI applications
- ✓ Jumpstart warehouse/BI applications

Enhance ROI for Warehousing and BI solutions

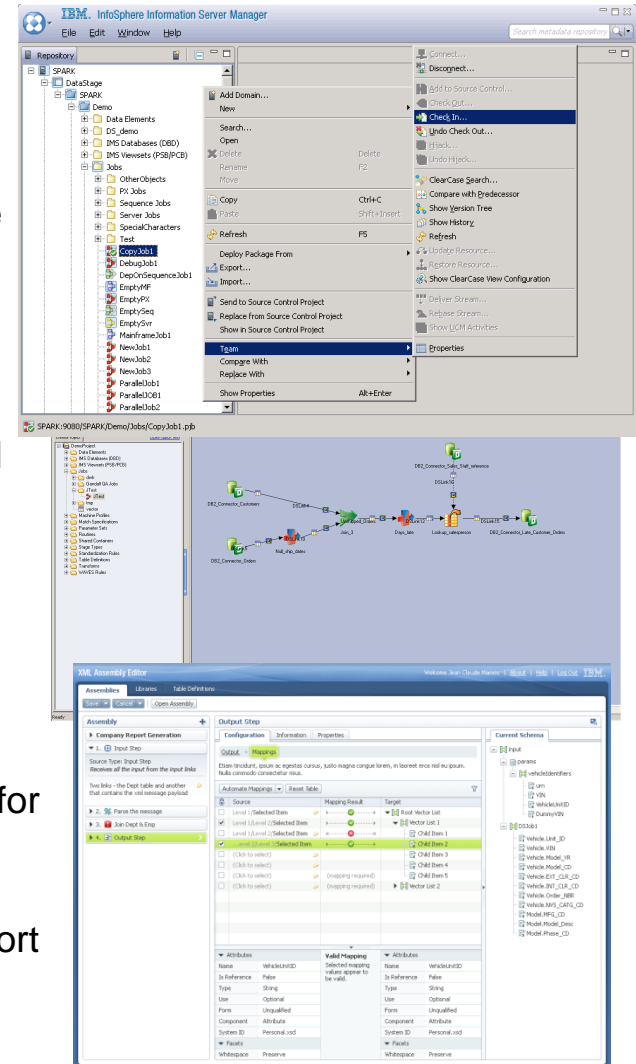
Data modeling support across the enterprise



- ✓ Logical Models
- ✓ Physical Models
- ✓ Dimensional Models
- ✓ Business Glossary Models

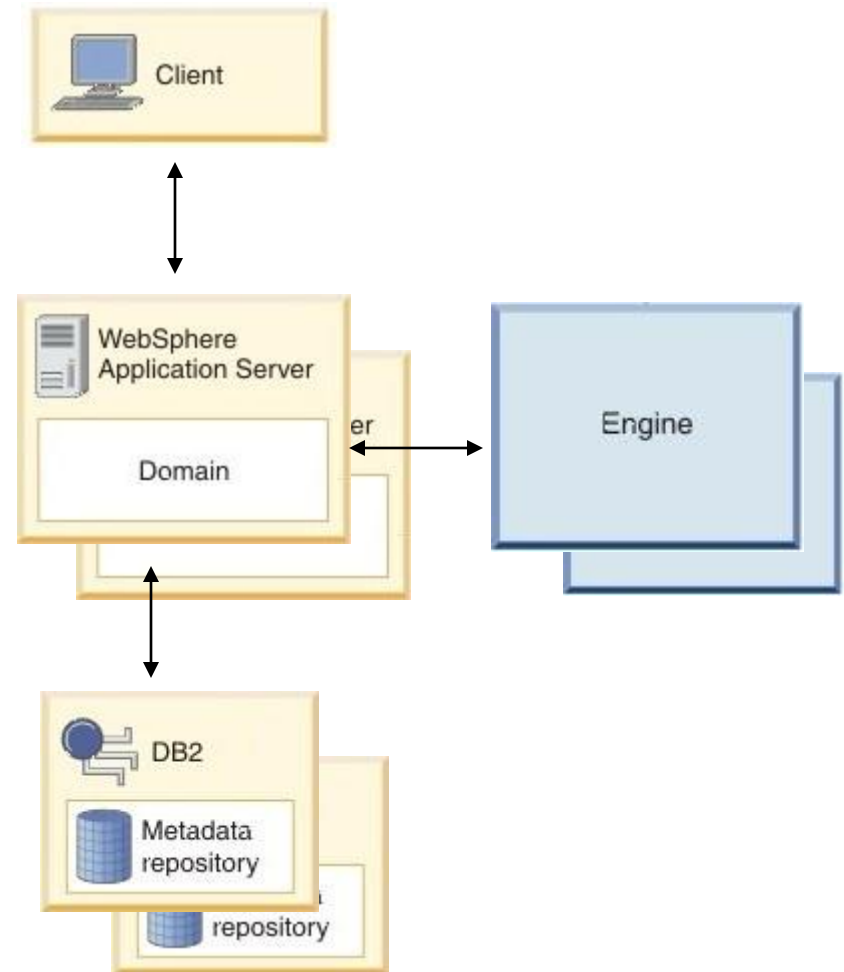
InfoSphere DataStage and QualityStage

- Increased Availability
 - Improved support and levels of HA
- SCCS integration
 - Integration with Enterprise Source Control providers via Eclipse Team Plugins
- 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



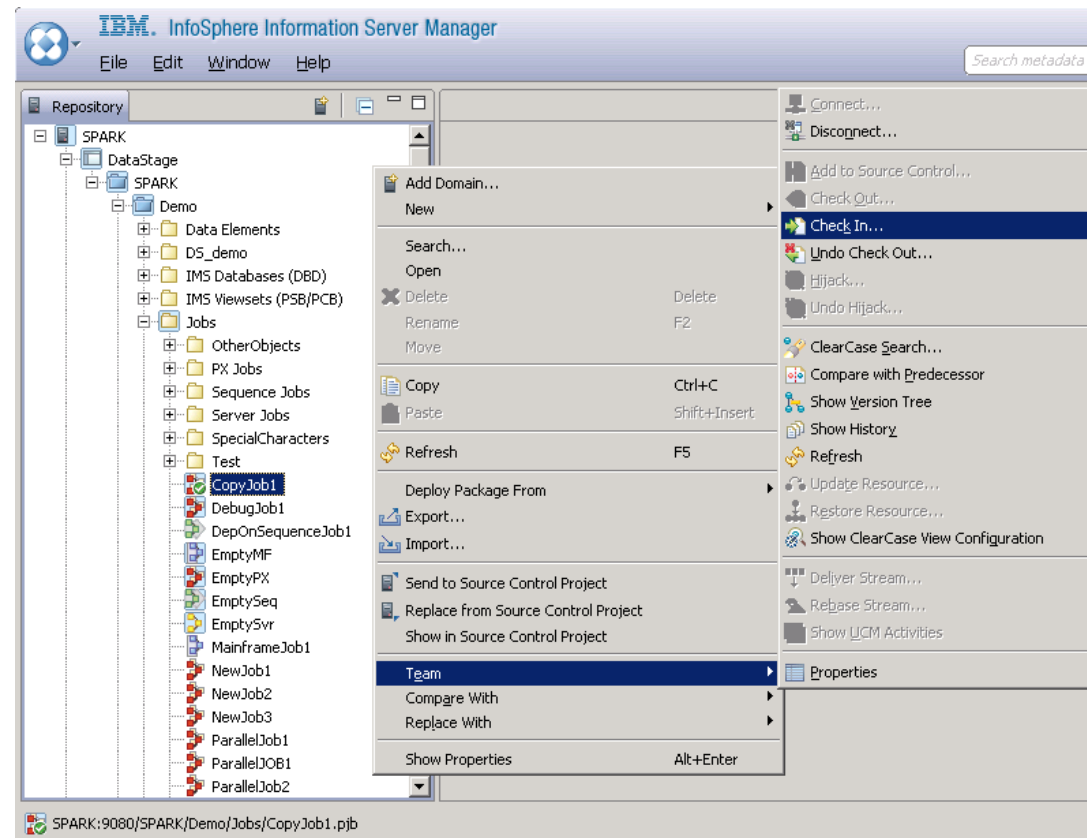
Increased Availability

- Cluster support for Application Server Tier
 - WAS 6.1 and 7.0 ND
- Cluster support for Repository Tier
 - DB2, Oracle, SQL Server
- Improved Failover support for Engine Tier
- Delivering higher levels of Availability for Production and Development environments
- Delivering Horizontal and Vertical scaling / load balancing of the Domain and DB Tiers



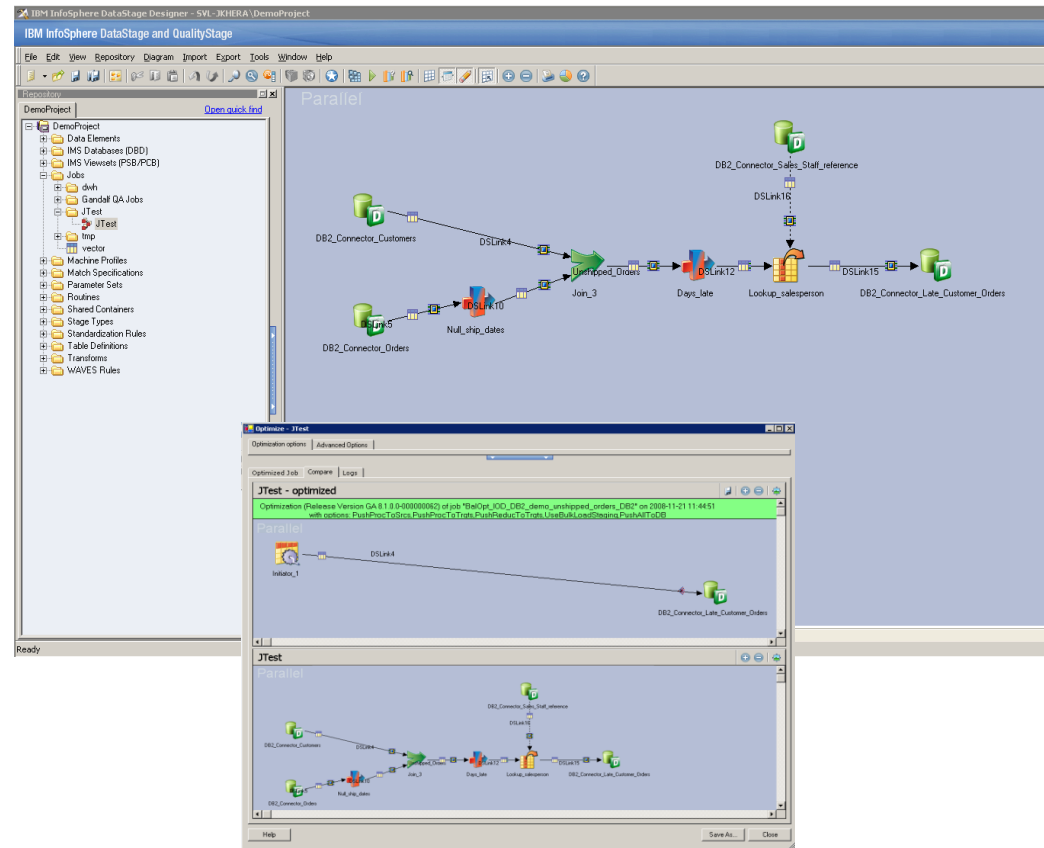
SCCS Integration

- Leveraging the Eclipse Platform for Team Development
- Integration with code-management (SCCS) providers supported through Eclipse Plugins
- Support for ClearCase, CVS
 - Other providers configurable via Eclipse Team Plugins
- Functions to interact with the SCCS invoked from the Information Server Manager



Balanced Optimization

- DataStage Balanced Optimization seamless integration with DataStage Designer
- Supported dependency relationship
 - Optimized job – depends_on - Root Job
 - Improved support for Impact Analysis, Where Used and Lineage
 - Find all optimizations of a root job
 - Find the root job for any optimized job
- Improved Optimization Logging
- Improved job development lifecycle support for Optimized Jobs
 - create, delete, edit, rename, move folder, compile, deploy, export/import

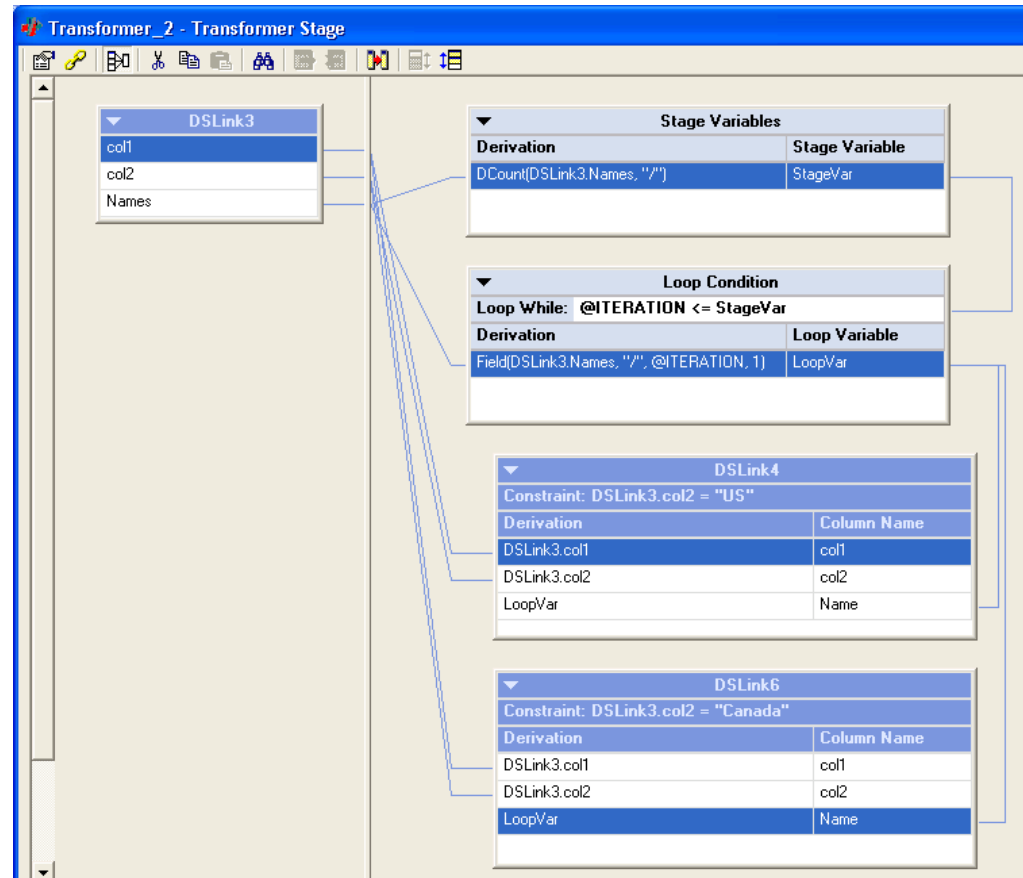


General Enhancements

- Design Time Performance
 - 40% Performance improvement in Job Open, Save, Compile etc.
- Improvements in startup time for jobs
- Runtime Performance
- New Utility, String and Date/Time functions
 - eg: IsValidTime, NthWeekdayFromDate, DecimalToTimestamp

Transformer Enhancements

- Deliver Looping in the Transformer
- Allow multiple output rows to be produced from a single input row
- Support for End of Data Flag to support Key Break Logic
- New Input Cache
 - SaveInputRecord()
 - GetSavedInputRecord()
- New System variables, function
 - @ITERATION, Loop Count
 - @EOD, End of data flag for last row
 - LastRowInGroup(InputColumn), automate change detection
- Stage, Loop Variables support for Nullability
- More options for Null Handling



Vertical Pivot

VP_Temp_Demo_FS2..Sequential_File_0.DSLink4 - Data Browser

city	state	month	temp
Hyderabad	AndhraPradesh	January	20
Hyderabad	AndhraPradesh	February	21
Hyderabad	AndhraPradesh	March	22
Hyderabad	AndhraPradesh	April	23
Hyderabad	AndhraPradesh	May	24
Hyderabad	AndhraPradesh	June	25
Hyderabad	AndhraPradesh	July	26
Hyderabad	AndhraPradesh	August	27
Hyderabad	AndhraPradesh	Spetember	28
Hyderabad	AndhraPradesh	October	29
Hyderabad	AndhraPradesh	November	30
Hyderabad	AndhraPradesh	December	31
Bangalore	Karnataka	January	30
Bangalore	Karnataka	February	31
Bangalore	Karnataka	March	32
Bangalore	Karnataka	April	33
Bangalore	Karnataka	May	34
Bangalore	Karnataka	June	35
Bangalore	Karnataka	July	36
Bangalore	Karnataka	August	37
Bangalore	Karnataka	Spetember	38
Bangalore	Karnataka	October	39
Bangalore	Karnataka	November	40
Bangalore	Karnataka	December	41

Close Find... Display... Help

- Enhanced *Pivot* stage to support - Vertical Pivoting
 - mapping multiple input rows with a common key, to a single output row containing multiple columns

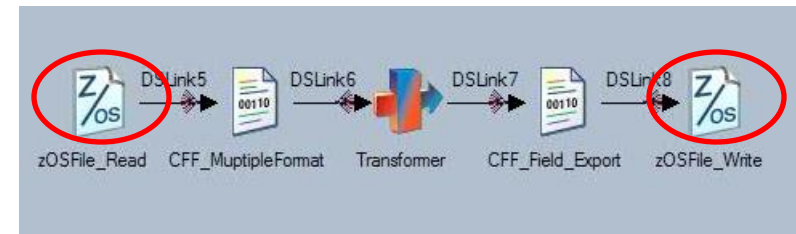
VP_Temp_Demo_FS2..Data_Set_2.DSLink5 - Data Browser

city	state	month	temp	month_1	temp_1	month_2	temp_2	temp_min	temp_max	temp_average
Bangalore	Karnataka	January	30	February	31	March	32	30	32	0000000031.00000000
Bangalore	Karnataka	April	33	May	34	June	35	33	35	0000000034.00000000
Bangalore	Karnataka	July	36	August	37	Spetembe	38	36	38	0000000037.00000000
Bangalore	Karnataka	October	39	November	40	December	41	39	41	0000000040.00000000
Hyderabad	AndhraPradesh	January	20	February	21	March	22	20	22	0000000021.00000000
Hyderabad	AndhraPradesh	April	23	May	24	June	25	23	25	0000000024.00000000
Hyderabad	AndhraPradesh	July	26	August	27	Spetembe	28	26	28	0000000027.00000000
Hyderabad	AndhraPradesh	October	29	November	30	December	31	29	31	0000000030.00000000

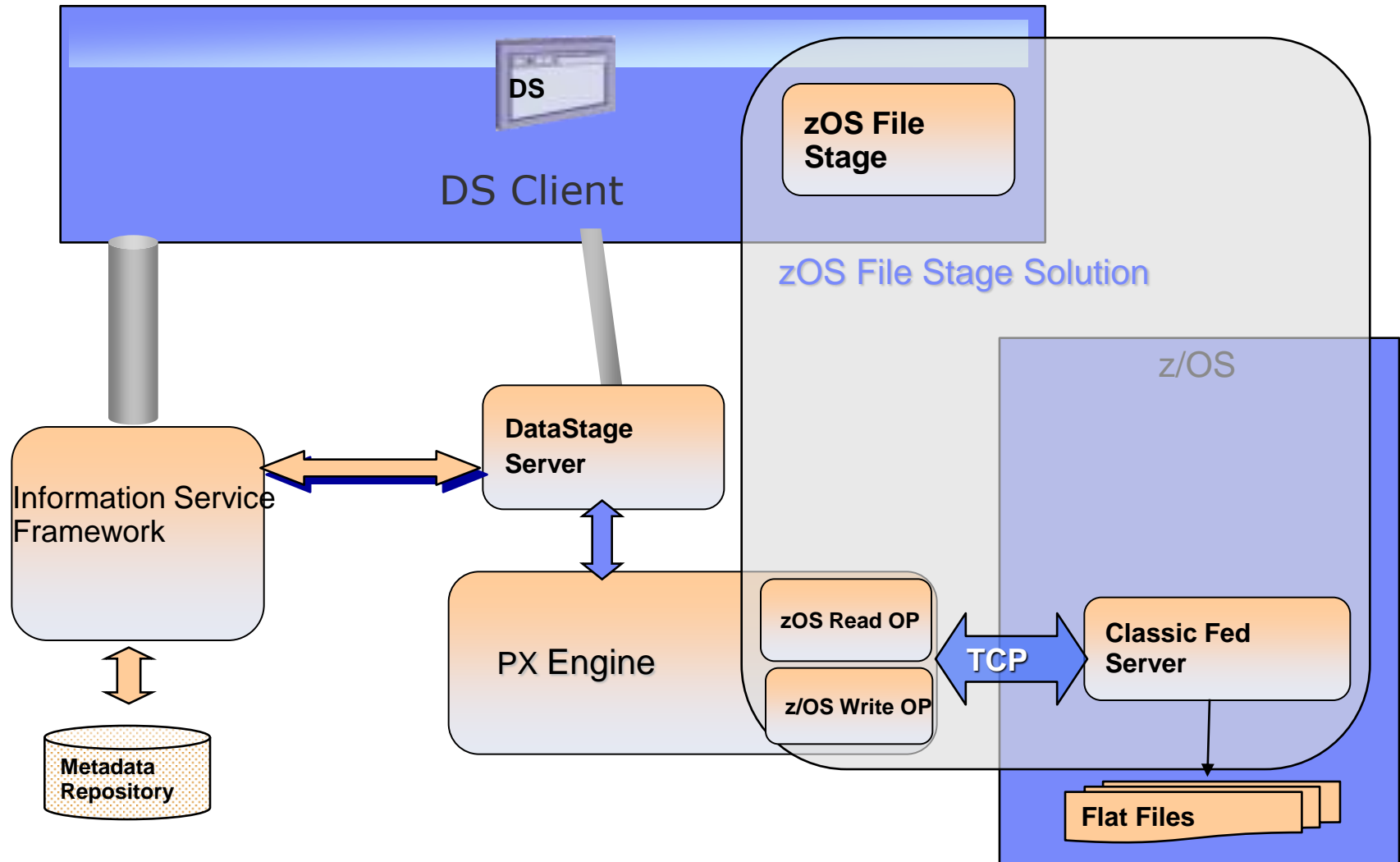
Close Find... Display... Help

z/OS File stage (already enabled for V8.1)

- New Native Support for Accessing Mainframe files from Distributed platforms and Linux for System Z
 - Through a new stage called z/OS File stage
 - VSAM files - KSDS, ESDS, RRDS
 - Sequential files - QSAM, Sequential read of BDAM/BSAM, PDS members, GDG files.
- Initial release
 - Read/Write for Sequential files and read only for VSAM.
 - Fixed and variable-length records
 - single or multi record type format files will be supported
- Leveraging InfoSphere Classic Federation

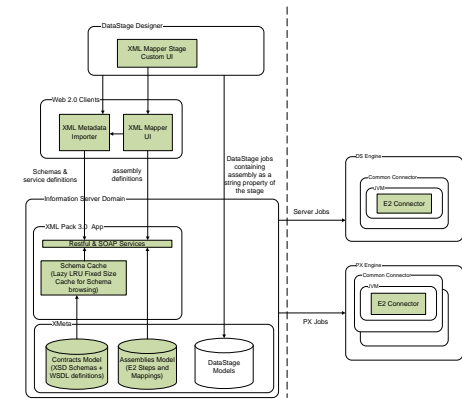


zOS File Stage Solution



XML Pack (post vNext)

- Deliver improved environment for mapping complex XML documents from one schema to another in single or multiple steps
- Support for Schemas (XSD XML Schema 1.0, WSDL 1.1)
- Deliver Support for complex XML Transformations with need for shredding the XML
 - Hierarchical Join, Relational join, Filter, Switch, Sort, Union, Regroup, RowToColumns, ColumnsToRows, Aggregate, Distinct



- Support for invoking Web Services as a transformation step
- Support for multiple input and output links, including reference, reject
- Shall support partitioning, multi threaded and stream processing of large XML documents
- Performance and volume improvements
 - reduced memory requirements, increased throughput
 - Processing 163mb complex XML
 - XML PACK 2.0 391 seconds
 - XML PACK 3.0 51 seconds
- Unlimited Document Size

The screenshot shows the 'XML Assembly Editor' interface. The main window displays a mapping configuration table with columns for Source, Mapping Result, and Target. The 'Current Schema' panel on the right shows a tree view of the schema structure, including 'Input', 'params', 'vehicleIdentifiers', and 'DSJob1'. The 'Attributes' and 'Valid Mapping' sections at the bottom provide details for the selected mapping.

Source	Mapping Result	Target
Level 1/Selected Item	✓	Root Vector List
Level 1/Level 2/Selected Item	✓	Vector List 1
Level 1/Level 2/Selected Item	✗	Child Item 1
Level 2/Level 2/Selected Item	✓	Child Item 2
(Click to select)	✓	Child Item 3
(Click to select)	✓	Child Item 4
(Click to select)	(mapping required)	Child Item 5
(Click to select)	(mapping required)	Vector List 2

Attributes	Valid Mapping	Attributes
Name: VehicleUnitID	Selected mapping values appear to be valid.	Name: VehicleUnitID
Is Reference: False		Is Reference: False
Type: String		Type: String
Use: Optional		Use: Optional
Form: Unqualified		Form: Unqualified
Component: Attribute		Component: Attribute
System ID: Personal.xsd		System ID: Personal.xsd
Facets: Preserve		Facets: Preserve

Standardization Quality Assessment

- Summary reporting to understand how well Standardization is performing
- Sections
 - Summary results for records assessed
 - percentage of records that populate each individual output category to determining anomalies
 - Composition of standardized output patterns

Standardization Quality Assessment (SQA)

Project:	*IBM-AB1DF384F33-QSProject1*
Report Name:	Standardization 1
Report Generated:	2008-02-28 16:49:08
Time Zone:	UTC -05:00
User:	Kevin P...

Job Name:	*Sa
Rule Set:	US
Number of Records:	500

Standardization Quality Assessment (SQA)

Frequency of Records by Pop

Dictionary Field (Unique Values)

HouseNumber (234)	100%
HouseNumberSuffix (14)	0.98%
StreetPrefixDirectional (0)	100%
StreetPrefixType (32)	4.34%
StreetLine (294)	100%
StreetSuffixType (81)	100%
StreetSuffixQualifier (0)	0%
StreetSuffixDirectional (0)	6.56%
RuralRouteType (4)	5.52%
RuralRouteValue (29)	5.52%
BoxType (2)	1.64%
BoxValue (72)	1.64%
FloorType (0)	0%
FloorValue (0)	0%
UnitType (4)	0.72%
UnitValue (32)	0.8%
MultiUnitType (0)	0%
MultiUnitValue (0)	0%
BuildingName (20)	0.4%
AdditionalAddress (1)	0.02%
AddressType (6)	100%

Standardization Quality Assessment (SQA)

Composition Sets - Displayed sets comprise 91% of the assessed records

	Set 1	Set 2	Set 3	Set 4	Set 5	Set 6	Set 7	Set 8	Set 9	Set 10
HouseNumber	64.2%	16.8%	11.4%	05.6%	01.2%	01.2%	01.2%	01.2%	01.2%	01.2%
HouseNumberSuffix										
StreetPrefixDirectional										
StreetPrefixType										
StreetName										
StreetSuffixType										
StreetSuffixQualifier										
StreetSuffixDirectional										
RuralRouteType										
RuralRouteValue										
BoxType										
BoxValue										
UnitType										
UnitValue										
MultiUnitType										
MultiUnitValue										
BuildingName										
AdditionalAddress										

Standardization Summary

94.46%

IBM Information Server

Match Specification Report

- Introduced a match specification report to capture the details of the match specification
- Includes a glossary and all the pertinent details for the specification and passes
- Enables the Business to review Match Rules more effectively

Match Specification Description					
Match Specification					
Name	Match Type	Maximum Frequency	Default Handling for Missing Weights		
NameAndAddress	Dependent	100	Agreement - Disagreement Midpoint		
Variable Special Handling					
Action	Source	Column Name(s)			
CRITICALMISSINGOK	Data	GenderCode			
CRITICALMISSINGOK	Data	NameGeneration			
NOUPDATE	Data	ZipCode			
Match Pass #1					
Name	Match Cutoff	Clerical Cutoff	Duplicate Cutoff	Data Overflow	Reference Overflow
NameAndPOBox	12	12	-	10000	0
Blocking Columns					
Block Name	Comparison Type	Data Column Name	Reference Column Name		
Phonetic Last Name	CHARACTER	MatchPrimaryWord1NYSIIS	-		
First Character of Match First Name	CHARACTER	MatchFirst1	-		
PO Box Number	CHARACTER	BoxValue	-		
First Three of Zip Code	CHARACTER	ZipCode3	-		
Match Commands					
Command Name	Comparison Type	Data Column Name	Reference Column Name		
Last Name	UNCERT	MatchPrimaryName	-		
	MProb	UProb	Vector	Reverse	Parameter(s)/Mode
	0.9	0.01	No	No	800
Command Name	Comparison Type	Data Column Name	Reference Column Name		
First Name	NAME_UNCERT	MatchFirstName	-		
	MProb	UProb	Vector	Reverse	Parameter(s)/Mode
	0.9	0.01	No	No	800
Command Name	Comparison Type	Data Column Name	Reference Column Name		
Tax ID	CHAR	TaxID	-		
	MProb	UProb	Vector	Reverse	Parameter(s)/Mode

Other QualityStage Enhancements

- Standardization
 - 30% Performance Improvement to deliver significant gains in runtime and system resource usage
 - Added support for specifying a tokenizer to handle mixed international datasets in a single job.
- New RuleSets
 - Argentina, Brazil, Chile, Peru, Mexico, Netherlands, India, Traditional Chinese and Japanese Kana
 - Delivering a Product ruleset accelerator
- Improved Match Designer
 - Added support in the Match Designer test environment setup for using DS connection objects
 - Added support for parameterizing match cutoffs
 - Reordering of blocking and match commands,
 - Extended support for all types of reference matches and improved interval match comparison types

Enhanced Match Designer

- Improved Match Weight Comparison
- More Control, Data, Statistical details delivering improved Analysis

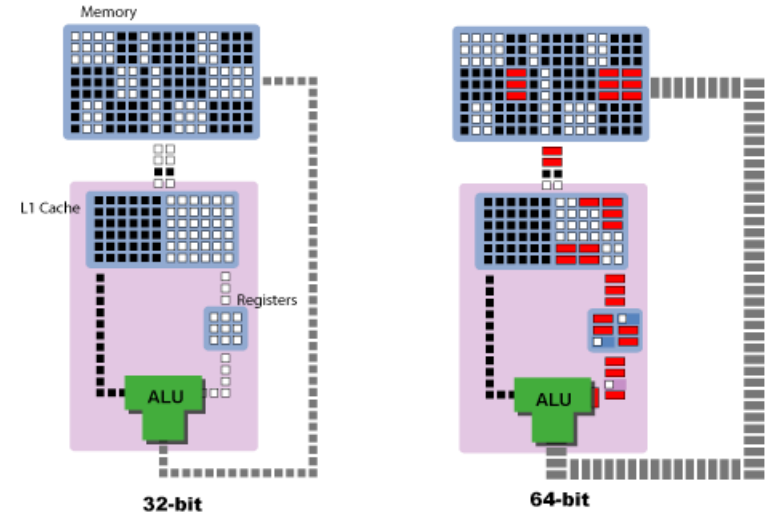
Weight Comparison						
Match command names:	Last Name	Match First Name	House Number	Street Name	Street Suffix Type	Tax ID
Data column names:	MatchPrimaryName	MatchFirstName	HouseNumber	StreetName	Zip4_ Zip5	TaxID
Variable special handling for this data column:	CONCAT	CRITICAL MISSINGOK, CONCAT	-	-	-	-
Match comparison type:	UNCERT	NAME_UNCERT	DELTA_PERCENT	UNCERT	INT_TO_INT	CNT_DIFF
Data importance and reliability [m-prob]:	0.9	0.9	0.9	0.9	0.9	0.9
Probability of accidental agreement [u-prob]:	0.01	0.01	0.01	0.01	0.01	0.01
Parameter / mode settings for this comparison:	800	850	56, 78	800	ZERO_VALID	2
Weight overrides...	[none]	[none]	[none]	[none]	[none]	
Replace weights with these values:	-	-	-	-	-	AgriWgt=1.1, DisWgt=2.2
Add / subtract these values to / from weights:	-	-	-	-	-	DataMsgWgt+3.0, RefMsgWgt-4.4, BothMsgW
Scale weights based on these values:	-	-	-	-	-	CondDataVal='aaa', CondRefVal='bbb', AgriW
Weight comparison master record with a score of 41.76:	COGBORN	JAMES	3	NOTCH	36081 2725	423266106
Duplicate record with a composite weight of 41.76:	COGBORN	JAMES	3	NOTCH	36081 2725	423266106
Contribution made by this column to the composite weight:	6.75	8.97	5.90	6.26	6.49	1.10
Default agreement / disagreement weights:	6.75 / -3.3	4.32 / -3.25	5.9 / -3.3	6.26 / -3.3	[not available]	7.07 / -3.31
Duplicate record with a composite weight of 40.66:	COGBORN	JAMES	3	NOTCH	36081	
Contribution made by this column to the composite weight:	6.75	8.97	5.90	6.26	6.49	0.00
Default agreement / disagreement weights:	6.75 / -3.3	4.32 / -3.25	5.9 / -3.3	6.26 / -3.3	[not available]	0.02 / -0.18
Clerical record with a composite weight of 36.27:	COGBORN	JAMES	3	NOTCH	36081 0000	423266106
Contribution made by this column to the composite weight:	6.75	8.97	5.90	6.26	6.49	1.10
Default agreement / disagreement weights:	6.75 / -3.3	4.32 / -3.25	5.9 / -3.3	6.26 / -3.3	[not available]	7.07 / -3.31
Clerical record with a composite weight of 35.17:	COGBORN	JAMES	3	NOTCH	36081 0	
Contribution made by this column to the composite weight:	6.75	8.97	5.90	6.26	6.49	0.00
Default agreement / disagreement weights:	6.75 / -3.3	4.32 / -3.25	5.9 / -3.3	6.26 / -3.3	[not available]	0.02 / -0.18
Residual record with a default weight of -99.99:	MESSICK	RAYMOND	1211	FALMAR	36081 3909	
Contribution made by this column to the composite weight:	-	-	-	-	-	-
Default agreement / disagreement weights:	-	-	-	-	-	-
Residual record with a default weight of -99.99:	JOHNSON	CHARLES	3	JUDKINS	36013 0000	
Contribution made by this column to the composite weight:	-	-	-	-	-	-
Default agreement / disagreement weights:	-	-	-	-	-	-

Show Match Definition

OK Help

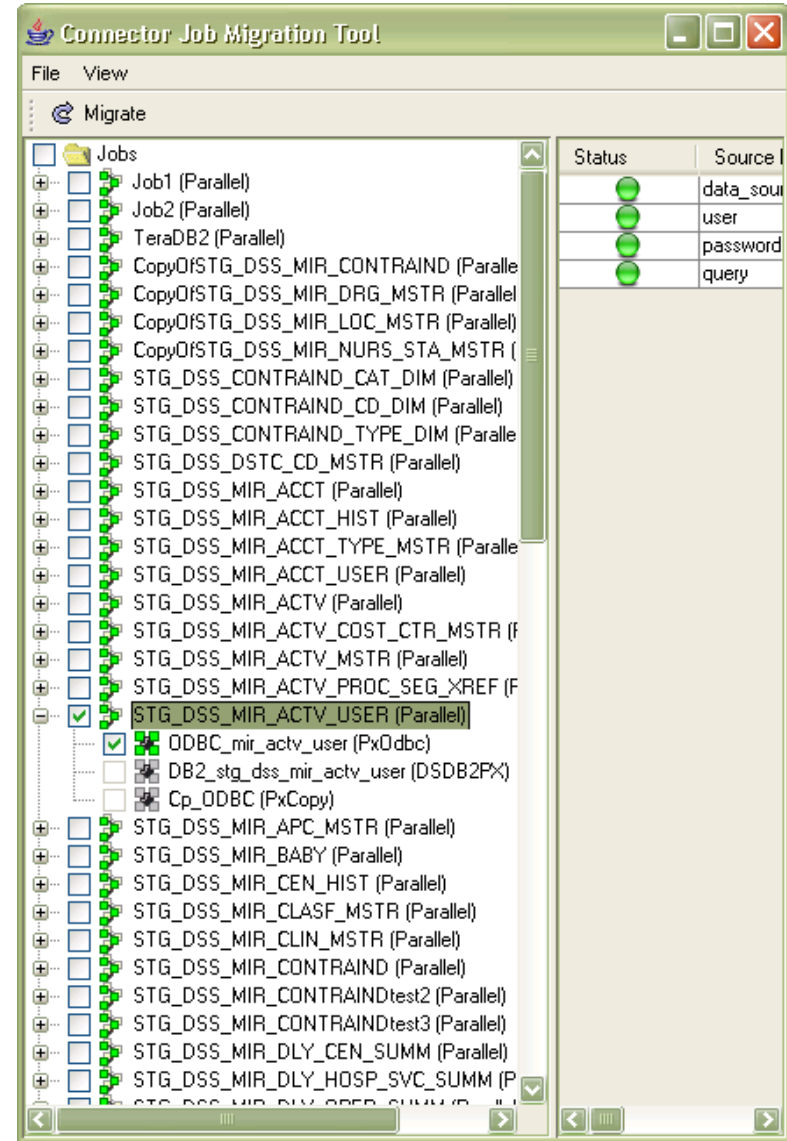
Platform Support

- New** ▪ Red Hat Enterprise Linux 5,6 (64 bit)
- New** ▪ SUSE Linux Enterprise Server 9,10 (64 bit)
- New** ▪ Windows Server 2008 64bit (32-bit app)
 - AIX 5.3, 6.1 (64 bit)
 - Solaris 9,10 (64 bit)
 - HP-UX Itanium (64 bit)
 - Red Hat Enterprise Linux for System Z (64 bit)
 - SUSE Linux Enterprise Server for System Z (64 bit)
 - Windows Server 2003 (32-bit)
 - Red Hat Enterprise Linux 5, 6 (as 32-bit app)
 - SUSE Linux Enterprise Server 9, 10 (as 32-bit app)
- Clients – Windows XP, Vista and 7 (32 & 64 bit)
- Repository – DB2 9/5, 9.7, Oracle 10g, 11g, SQL Server 2005, 2008



Connection Migration Tool

- Modifies jobs that use legacy plug-in/operator stages to use newer Connectors
- Migrates all compatible stages
- GUI and command line (batch) modes
- Server and Parallel jobs
- Backup, clone or replace jobs
- Jobs are annotated with information about the migration



Certifications Delivered

New database connectivity enhancements include support for -

- IBM DB2 LUW 9.7, 9.8 (Pure Scale)
- IBM DB2/Z v10
- IBM WebSphere MQ Series 7.0
- Informix IDS v11.7
- Teradata 13
- Oracle 11gR2
- Sybase ASE v15.5
- Sybase IQ v15.2
- Netezza 5
- DataDirect ODBC v6.0 SP2 (including new Bulk Loading for SQL Server from DataStage on Linux/Unix)
- DB2/Z Bulk Load/UnLoad Stage – enables FTP data movement and invocation of native DB2/Z utilities

Add-ons:

- z/OS File Stage – new component that enables more direct/easy access to native mainframe files.
- Optimized Integration with Changed Data Capture (CDC) and Changed Data Delivery (CDD)
- Packs all (for SAP R/3 and BW, Oracle eBusiness/Siebel/PeopleSoft/Hyperion Essbase/JD Edwards), updated for use with Information Server/DataStage v8.5 with new functionality for salesforce.com bulk loading.

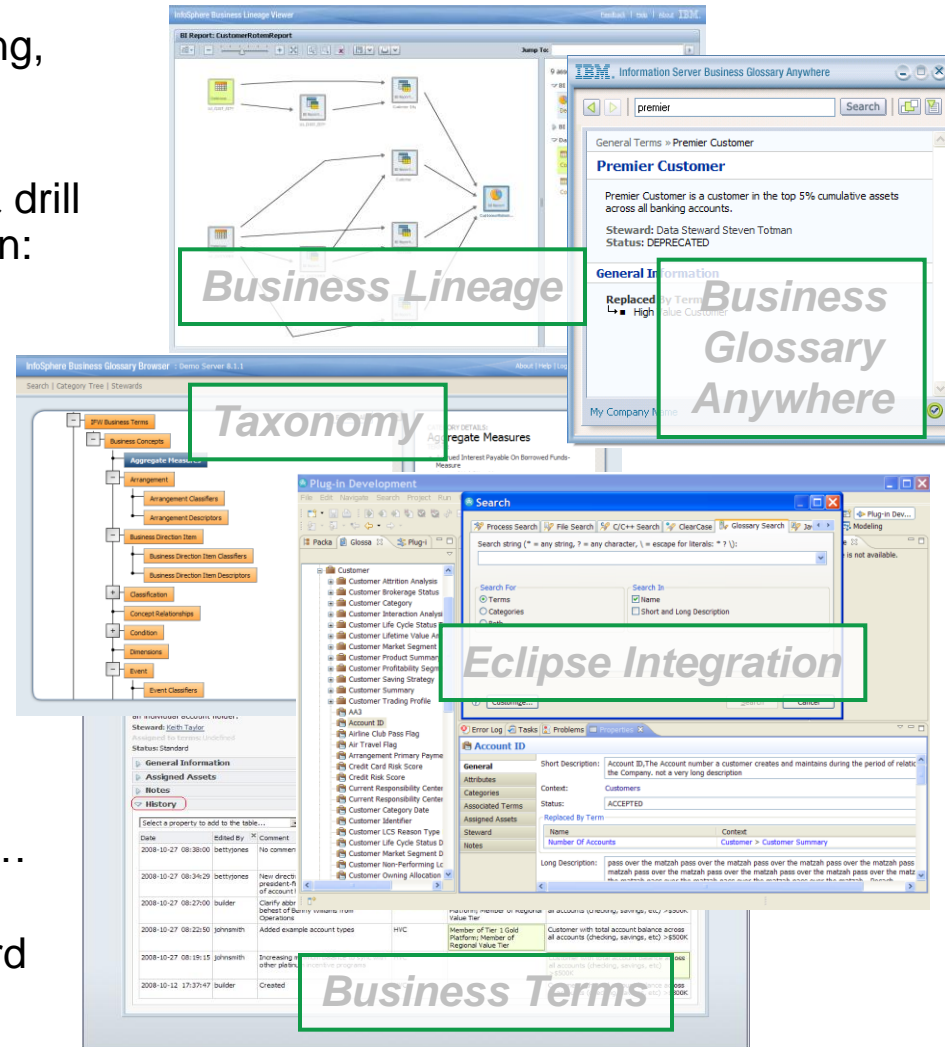
Thank You

BACKUP

InfoSphere Business Glossary

Your Business-Driven Entry Point to All Information Centric Projects

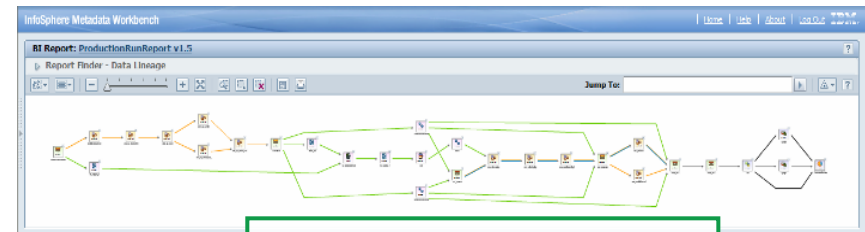
- Entry point to Mater Data, Data Warehousing, App Consolidation & Migrations
- Start from a business concept (customer) & drill into to a complete set of relevant information:
 - *Business terms & business rules*
 - *Data Models & BI structures*
 - *Structured & Unstructured data*
 - *ETL processes*
 - *Business lineage*
- Access glossary content
 - Directly from any Windows application
 - Via open APIs - REST, Eclipse
 - From software platforms – InfoSphere Information Server, Cognos BI, Rational...
- Populate glossary with rich industry standard terms and definitions



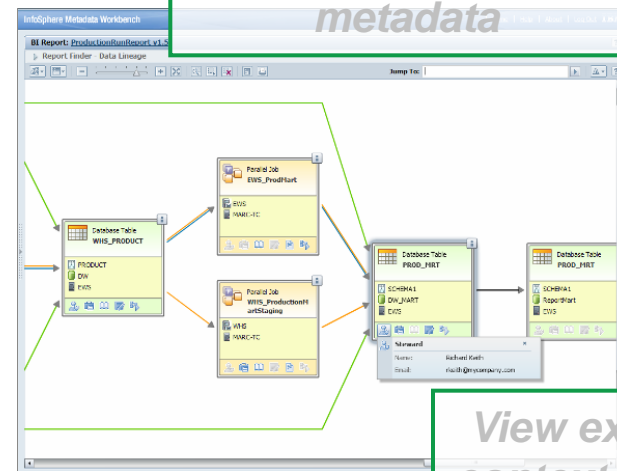
InfoSphere Metadata Workbench

Support Information Governance and Compliance Reporting Initiatives

- Visualize and trace information flows to support audit and compliance reporting
- Provide visibility to trusted sources of information
 - *Where is the data coming from?*
 - *Who has modified it? When and why?*
 - *Where is the information used?*
- Build trust and confidence in data by viewing how the data flows through Information Server or 3rd party tools
- Assess the impact of information changes and minimize project risks
- Promote reuse and collaboration among technical teams



Design + Operational metadata



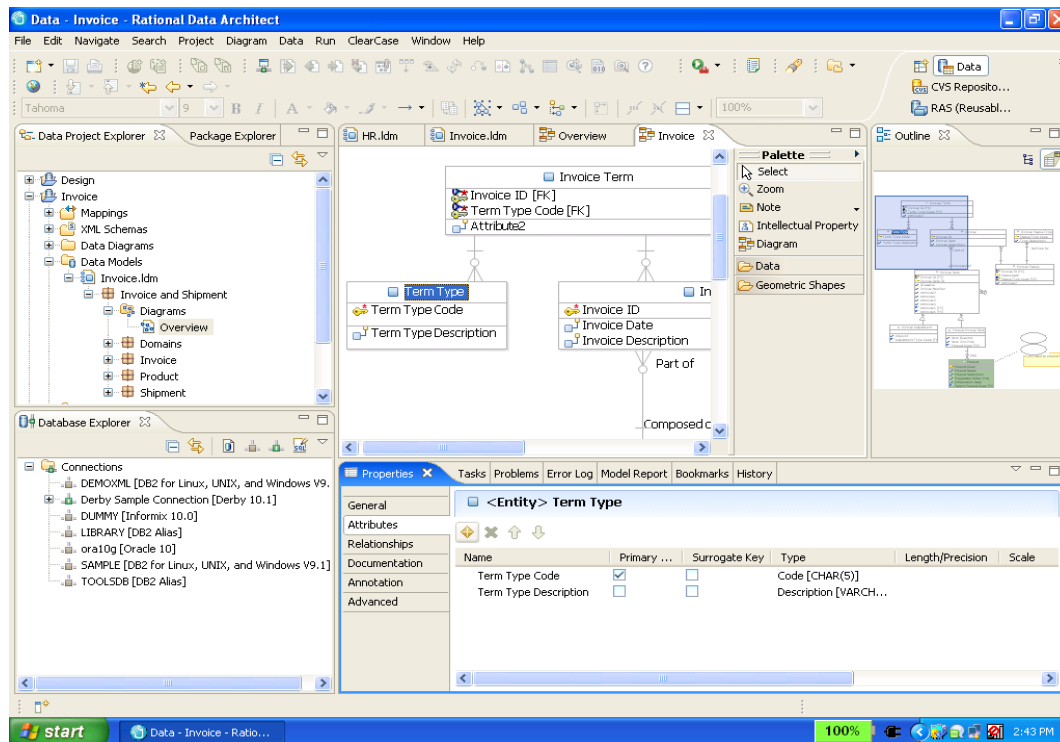
View extended context such as stewards, term definitions, job details, etc.

IBM InfoSphere Data Architect



Data Architect

Model, relate and standardize diverse and distributed data assets



Requirements

- Design and manage enterprise models
- Enforce model conformance to enterprise standards
- Leverage industry data models for best practices
- Reverse engineer and identify existing warehouse schemas

Benefits

- Speed design activities
- Populate Business Glossary from model terms
- Validate models for enterprise conformance
- Optimize existing investments