



Data Modeler for Notes

Lotus Notes Integration for the Enterprise

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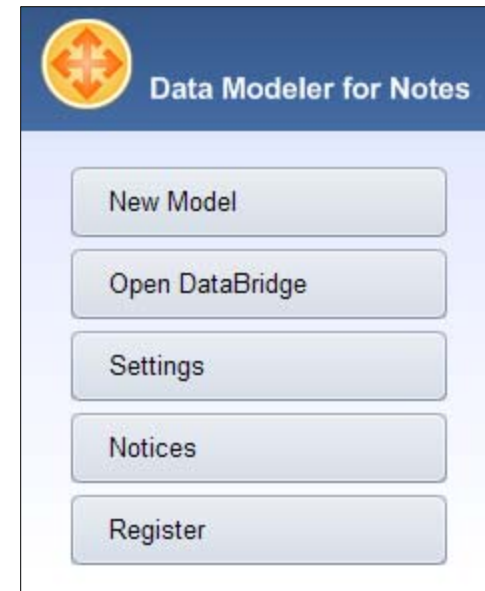


THE HUMAN DIMENSION OF TECHNOLOGY

Sun & Son Data Modeler for Notes

The Data Modeler for Notes integrates IBM Lotus Notes data with business analytics, data warehouse and other enterprise applications

- Creates industry standard metadata models for Notes applications
- Manages access to Notes data: direct to the Notes database or staged to a relational database
- Provides an easy to use wizard interface to automate model creation and data staging



Data Modeler – Standard Metadata Models

- The Data Modeler for Notes creates and manages metadata models for Notes applications
- The Data Modeler supports multiple BI platforms and metadata standards, including Cognos, Business Objects, Information Builders as well as the open OMG XMI standard
- These models can be used by Business Intelligence applications or enterprise applications to easily and efficiently access, report on, and analyze Notes application data
- The Data Modeler reduces the complexity of Notes application structures to meaningful metadata definitions that can be understood and used immediately by nontechnical business users

Configuration	
Output Target:	Cognos 8 BI 8.3/8.4
Language:	Cognos 8 BI 8.3/8.4 Cognos 8 BI MR1/MR2/8.2 Cognos 8 BI
Output Folder:	IBI WebFOCUS
Show Sample Values:	XMI 1.1 / CWM 1.0
Multi-value Separator:	Comma
Embed Metadata:	<input type="radio"/> Yes <input checked="" type="radio"/> No
DataBridge:	Select Database ... CN=TTDomino01/O=TipTop; TipTo

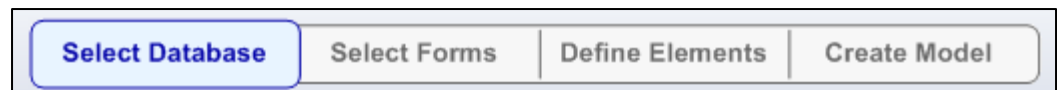
Data Modeler – Manages Access to Notes Data

- The Data Modeler supports two strategies for accessing Notes data:
 - Direct Access using ODBC
 - External Staging to a relational database using the Data Modeler DataBridge
- The Data Modeler DataBridge allows specific Notes data structures, including Notes multi-value fields to be mapped to true relational database structures
- This facilitates complex reporting and analysis and easy integration of Notes data with data warehouses and data marts
- Notes-specific data structures need no longer be an obstacle to fully integrating Lotus Notes applications with Service Oriented Architectures or enterprise information architectures

Data Access:	External Staging
Database Type:	NotesSQL External Staging
Database Name:	Domino
Schema:	RaviHar
Username:	db2admin

Data Modeler – Easy Wizard Interface

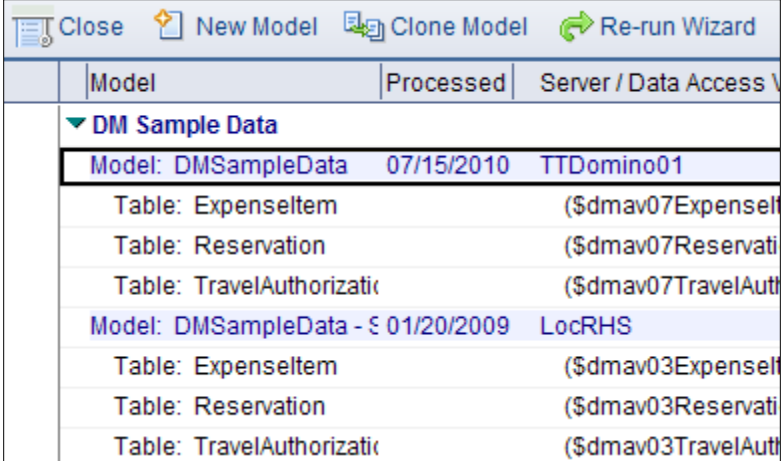
- The Data Modeler offers a simple four step wizard interface:
 - 1. Select the Notes database and data access strategy
 - 2. Select the database forms which will define reportable data structures
 - 3. Define table elements and metadata attributes
 - 4. Generate model definition files, data access views and DataBridge transfer documents
- It is simple and straightforward to create any number of Notes metadata models, supporting all types of reporting and analysis
- Model definition files can be imported directly into leading BI tools to eliminate time consuming and highly specialized metadata modeling efforts
- Output is automatically optimized for query performance and data integrity



Data Modeler - Unique Capabilities

The Data Modeler offers an additional set of unique, exclusive capabilities:

- Up to 17x faster to integrate Notes data than any other approach
- Incorporates security for Notes data when staged to a relational database
- Drill-thru from BI reports directly to live Notes documents
- Report directly from Notes data using a variety of BI tools



The screenshot shows the Data Modeler interface with a table of models and tables. The table has columns for Model, Processed, and Server / Data Access. The data is as follows:

Model	Processed	Server / Data Access
▼ DM Sample Data		
Model: DMSampleData	07/15/2010	TTDomino01
Table: Expenseltem		(\$dmav07Expensel
Table: Reservation		(\$dmav07Reservati
Table: TravelAuthorizati		(\$dmav07TravelAut
Model: DMSampleData - 5 01/20/2009		LocRHS
Table: Expenseltem		(\$dmav03Expensel
Table: Reservation		(\$dmav03Reservati
Table: TravelAuthorizati		(\$dmav03TravelAut

Create Models in a Fraction of the Time

IBM internal benchmarking has determined that using the Data Modeler for Notes is up to 17x faster than alternative solutions tested for integrating Notes data with business intelligence and data warehouse

- The Data Modeler
 - Automates model creation and data staging
 - Transforms Notes multi-value fields into true relational structures when staging data
 - Provides a metadata layer whereby non technical users can build reports; Notes developers are not required
 - Provides linkage to enterprise metadata management tools like IBM InfoSphere to manage metadata life cycle
- Specialized metadata modeling and database administration skills are not required

Document Security for Staged Data

- Notes document security is a compelling feature of Notes as the leading platform for collaborative applications
- Notes and Domino enforce security through the Notes client and the Domino server for web access
- Staging Notes data to a relational database strips out the security layer, thus creates risk of exposure
- The Data Modeler provides Notes document security continuity automatically for staged data by creating security objects in the relational data store and the metadata model
- Cognos users using Domino LDAP see the same documents as they do in Notes

Schema:	RaviHar
Username:	db2admin
Password:	●●●●●●●●
Document Security:	<input type="radio"/> Disabled <input checked="" type="radio"/> Enabled
Schedule:	<input type="radio"/> Scheduled <input checked="" type="radio"/> Manual
BI Data Source Name:	Domino

Drill-thru from BI Reports

- BI reporting tools like Cognos are optimized for structured data as contained in DB2, Oracle, etc.
- Notes excels at managing rich documents consisting of formatted text of varying length, file attachments, embedded graphics and collaborative workflows
- Simply extracting data from Notes for BI reporting discards much of the compelling value that Notes provides
- The Data Modeler makes it easy to create drill-thru links in BI reports which allow the report viewer to move into the live Notes document with a single click
- This makes it easy to create hybrid solutions which combine the advanced reporting and analytic capabilities of BI with the rich collaborative capabilities of Notes

Drill-thru from BI Reports

Reservation#	Description	City
R000749	Flight to Oklahoma City	Oklahoma City
R000760	Flight to Oakland	Oakland
R000772	Flight to Boston	Boston
R000776	Car in Frankfurt	Frankfurt
R000768	Flight to Frankfurt	Frankfurt
R000769	Flight to London	London
R000773	Novotel Euston London	London
R000774	London Heathrow Marriott	London
R000783	Flight to Frankfurt	Frankfurt
R000784	Marriott Heidelberg	Heidelberg

Cognos Report

Notes Document

Close Submit

Reservation: R000773

Date Made: 09/04/2003 16 Made by: Howard Carter

Reserved for: Howard Carter

Travel Dates: 09/23/2003 16 - 09/25/2003 16

Type: Hotel

Vendor: Novotel

City: London

Description: Novotel Euston London

Price: GBP 125 per night

Confirm #:

Trvl Auth #: [London - 09/22/2003 thru 09/28/2003](#)

Comments:

Novotel London Euston, London

Hotel Class: ★★★★★

100-110 Euston Rd, London, United Kingdom

"The Novotel London St Pancras is a 4 star hotel in central London, ideal for your next business trip or holiday in London. The hotel offers 16 meeting [more](#) ▾

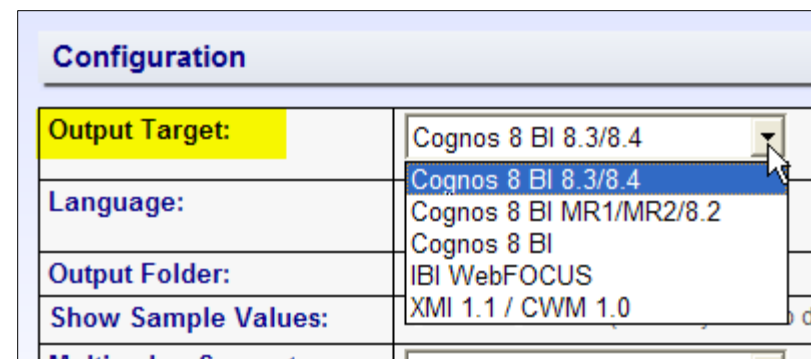
Amenities: Fitness Center, Meeting Facilities, Babysitting, etc.

Receipts:

Drill-thru links bring the complete capabilities of Lotus contextual workplace to BI reports, including document context, workflows, document management, presence awareness and social networking

Report using a Variety of BI Tools

- The Data Modeler supports virtually all BI platforms through its support for open and proprietary metadata standards
- Proprietary: Cognos, Information Builders WebFocus
- Open: OMG XMI standard which is supported by Cognos, Business Objects, Hyperion and others
- The same Data Modeler model can be accessed by multiple BI tools, including low end tools like Crystal Reports and Synaptris IntelliPrint
- The ability to create a model once and use it many times is critical for customers with mixed BI environments



Metadata-based Data Integration Tool

- The Data Modeler is a metadata-based data integration tool for Lotus Notes applications
- Metadata models uniquely provide the points of integration between Notes applications and business analytics, enterprise applications and enterprise architectures
- When the Data Modeler stages Notes data to a data warehouse, the data is transferred within the image of the metadata model and transformed to true relational structures
- Through drill-thru links, the Data Modeler facilitates write access to Notes applications, in the proper application context and with appropriate permissions
- Metadata services make the Data Modeler a powerful complement to bulk data transfer tools like Lotus Enterprise Integrator (LEI)

Summary

- The Data Modeler offers a unique and powerful set of features to quickly integrate Notes applications with a variety of BI tools and data warehouse infrastructures
- Notes metadata management opens the door to even tighter integration of Lotus Notes with enterprise applications and architectures
- Hybrid analytics + collaboration solutions
- Hybrid relational + collaboration applications
- Enterprise Service Oriented Architecture (SOA)
- Enterprise metadata management, e.g. IBM InfoSphere
- **The Data Modeler allows Lotus Notes to work within an enterprise Business Analytics framework**

Please contact us for more information

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