



Data Modeler for Notes a step-by-step demo

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April, 2009




THE HUMAN DIMENSION OF TECHNOLOGY

Introducing Data Modeler for Notes

- The Data Modeler generates metadata models for Notes databases through an easy-to-use wizard interface
 - Select the data elements to publish
 - Present them using terminology that is meaningful to the business user
 - Create computed elements for Notes-specific data processing and performance optimizing pre-processing
- Automatically generates Data Access Views to ensure optimized query access
- Creates metadata models for Cognos 8 BI and OMG XMI standard
- Allows you to join multiple Notes databases or Notes databases with other data types in a single metadata model
- Maintains data type fidelity for date and numeric data
- Supports Notes multi-value data types

Data Modeler – Setup Screen

Cancel Save & Close

 Data Modeler for Notes SUN & SON

Configuration

Output Target:	XMI 1.1 / CWM 1.0
Language:	Cognos 8 BI 8.3 Cognos 8 BI MR1/MP2/8.2 Cognos 8 BI Cognos ReportNet
Model Definition Folder:	XMI 1.1 / CWM 1.0
Show Sample Values:	<input type="checkbox"/> (disable this if performance is slow when loading step 3 of the wizard.)
Multi-value Separator:	Comma
Embed Metadata:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Create Metadata Forms:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Data Bridge:	Select Database ... CN=LocRHS/O=Sun & Son; demo\DB1100001.nsf

DB2 Access Views

Enable DAV Creation:	<input checked="" type="radio"/> Yes <input type="radio"/> No																								
DAV-Enabled Servers:	<table border="1"> <thead> <tr> <th>Server Name</th> <th>DB2 DB Name</th> <th>Cognos Data Source</th> </tr> </thead> <tbody> <tr> <td>LocRHS/Sun & Son</td> <td>DOMINO</td> <td>Domino</td> </tr> <tr> <td colspan="3">Ctrl-Click here to add a new document</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Server Name	DB2 DB Name	Cognos Data Source	LocRHS/Sun & Son	DOMINO	Domino	Ctrl-Click here to add a new document																	
Server Name	DB2 DB Name	Cognos Data Source																							
LocRHS/Sun & Son	DOMINO	Domino																							
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Press Ctrl+Home then Ctrl+End if you can't add a new document

Select Cognos models, open OMG XMI standard metadata models or embedded metadata structures

Data Modeler – Summary View

Data Modeler for Notes

Close New Model Clone Model Re-run Wizard Retarget Model Delete Model Settings

Model	Processed	Server / Data Access View	Created by
DM Recipes			
Recipes	04/04/2008	LocRHS	Ravi Har Singh Khalsa
Recipe		(\$dmav01Recipe)	
DM Sample Data			
DMSampleData	04/04/2008	LocRHS	Ravi Har Singh Khalsa
Expenseltem		(\$dmav02Expenseltem)	
Reservation		(\$dmav02Reservation)	
TravelAuthorization		(\$dmav02TravelAuthorization)	
DMSampleDataBridge	04/04/2008	LocRHS	
Expenseltem		(\$dmav01Expenseltem)	
Reservation		(\$dmav01Reservation)	
TravelAuthorization		(\$dmav01TravelAuthorization)	
RHS Address Book			
Address	04/04/2008	LocRHS	
Person		(\$dmav01Person)	

SUN & SON

The database wizard easily guides you through the steps to create metadata models

You can create multiple metadata models for any Notes database, for flexible reporting and optimized query performance

Data Modeler – Select Database

Model: DMSampleData **Select Database** Select Forms Define Elements Create Model

Model Name: DMSampleData

Description: Three Table Model using NotesSQL live access

Database: Server: LocRHS/Sun & Son File Path: demo\DMSample.nsf **Select ...**

Package Name: DMSampleData

Data Access: NotesSQL

NotesSQL DSN: NotesSQL
External Staging
DB2 Access Views

Select a Notes Database to begin wizard processing

The Data Modeler offers multiple Data Access strategies for maximum flexibility and performance

Cancel Next

Data Modeler – Select Forms

Model: DMSampleData

Select Database **Select Forms** Define Elements Create Model

Select the forms you would like to include:

- ApprovalHelper
- DMModelMetadata
- DMTableMetadata
- Expense Item (ExpenseItem)
- HelperApprBatch
- HelperApproval
- HelperReviewAdmin
- HelperReviewBudget
- HelperReviewCorp
- HelperReviewFinance
- InvoiceHelper
- Memo (Memo)
- PaidHelper
- ReimburseHelper
- ReimburseHelperPartial
- Reservation
- SubmitHelper
- T&EProfile
- TAMailForm
- Travel Authorization (TravelAuthorization)
- UserProfile
- Vendor

Select the Notes Forms which will define table structures in your metadata model

Cancel Next

Data Modeler– Define Elements

Model: DMSampleData Select Database Select Forms **Define Elements** Create Model

Form: Expenseltem (1 of 3)

Add fields from: Form Subform Computed...

Table Name: Expenseltem Preview

Fields List:

- AuthDescrip (Text)
- AuthNum (Text)
- BillAmount (Number)
- BillPctg (Number: 100)
- BillTo (Text)
- Comments (Text)
- EnteredBy (Text: Cognos Demo/Demo)
- Exp3PPayer (Text)
- ExpAmount (Number: 149.8)
- ExpCity (Text: C)
- ExpDate (DateTime: yyyy-MM-dd)
- ExpDescrip (Text: Meals)
- ExpMileRate (Number: 0.365)
- ExpMiles (Number: 120)
- ExpNum (Text: E003333)
- ExpPaidTo (Text: Various Vendors)
- ExpPmtMeth (Text: Cash)
- ExpReceipt (Text: Yes)
- ExpReimbTo (Text: Mark Sykes)
- ExpType (Text: Meals & Entertainment)
- History (Text)
- Kind (Text: Expenseltem)

Selected Fields:

- AuthNum (Authorization#; Sort: A; Multi: C)
- ExpNum (Expense#; Sort: A; Multi: C)
- ExpAmount (Amount; Multi: C)
- ExpReimbTo (Person; Multi: C)
- ExpCity (City; Multi: C)
- ExpDate (Date; Multi: C)
- ExpDescrip (Description; Multi: C)
- ExpPaidTo (Payee; Multi: C)
- PmtCheckNum (Check#; Multi: C)
- Days_to_Pay[*] (Days to Pay; Multi: C)
- Comments

Field Settings for AuthNum:

Label: Authorization# APPLY

Sort: None Ascending Descending

Multi-value: Concatenate Separate Rows First Value

Buttons: Edit, Move Up, Move Down, Show Advanced Options, Cancel, Back

Callout 1: Select Notes fields from Forms or Subforms, or create computed elements to extend your Notes application

Callout 2: Change element order and set data sorts to optimize query performance

Callout 3: Add user-friendly labels and set multi-value handling options

Data Modeler – Create Model

Model: DMSampleData

You have completed configuration for the following forms:
Expenseltem
Reservation
TravelAuthorization

It may take a few minutes to create the Data Access Views and Model Definition file. Click Next when you are ready to proceed.

Please wait while the Data Access Views and Model Definition file are created...

Generate Model XML	DONE
Create Data Access Views	* WORKING *

The Data Modeler automatically creates an XML metadata definition file for your model

The Data Modeler creates optimized Data Access Views for each Form selected

Data Modeler – Model Summary

Model: DMSampleData

You may want to print the following information for reference:

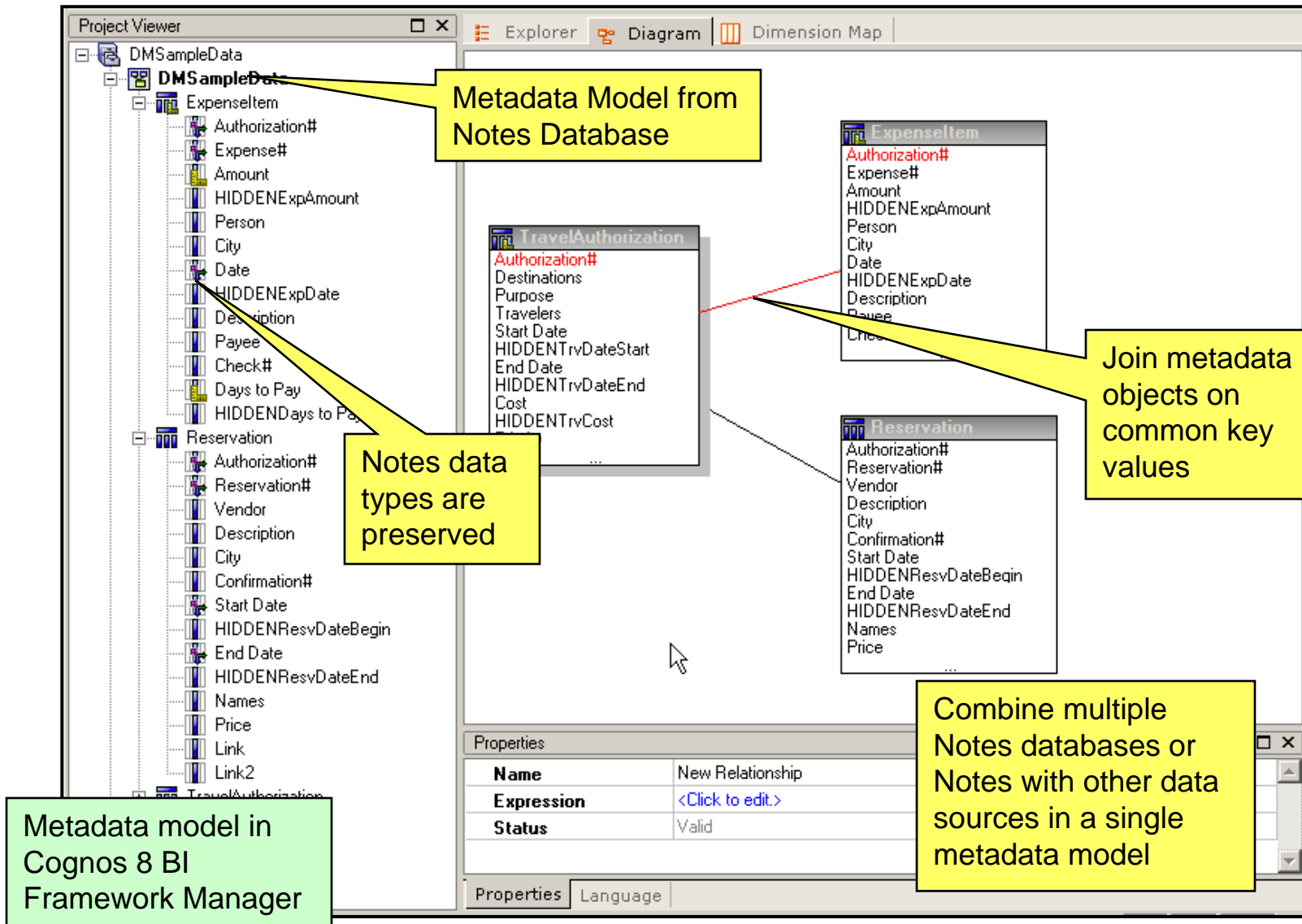
Model Name:	DMSampleData
Description:	Three Table Model using NotesSQL live access
Notes Database:	DM Sample Data (demo\DMSample.nsf on LocRHS/Sun & Son)
Data Access:	NotesSQL
Views:	(\$dmav02ExpenseItem) (\$dmav02Reservation) (\$dmav02TravelAuthorization)
Model Definition File:	C:\DMoutput\DMSampleData-DMSampleData.xml
Package Name:	DMSampleData
Connection Name:	DMSampleS
Output Target:	Cognos 8 BI MR1/MR2/8.2
Processed:	04/07/2008 01:49:12 PM
Language:	English
Created by:	Ravi Har Singh Khalsa on 04/04/2008 02:58:30 PM
Last Edited by:	Ravi Har Singh Khalsa on 04/07/2008

You can re-run the Data Modeler Wizard at any time to enhance and performance tune your metadata models

View Log Re-run Wizard Re-Process

Print Close

Notes Metadata Model



Notes Metadata Model ...

Menu

- Insert Data
- Edit Data
- Change Layout
- Run Report
- Manage File

Metadata Tree (Left):

- DMSampleData
 - ExpenseItem
 - Authorization#
 - Expense #
 - Amount
 - Person
 - City
 - Date
 - Description
 - Payee
 - Check#
 - Days to Pay
 - Reservation
 - Authorization#
 - Reservation#
 - Vendor
 - Description
 - City
 - Confirmation#
 - Start Date

Table Data:

Authorization#	Expense#	Amount	Person	City	Date	Description	Payee	Days to Pay
T000418	E003368	226.00	Rebecca West	Santa Fe	May 22, 2003			183.00
T000419	E003348	19.68	Freya Stark		2003			191.00
T000419	E003351	51.46	Freya Stark	Austin	May 13, 2003	Travel to ABQ		191.00
T000421	E003422	90.87	Howard Carter	Albuquerque	June 21, 2003	Albuquerque Marriott	Marriott	38.00
T000421	E003423	6.08	Howard Carter	Albuquerque	June 21, 2003	Breakfast	Black Mesa	38.00
T000421	E003424	38.00	Howard Carter	Albuquerque	June 21, 2003	Dinner	Light of India	38.00
T000421	E003425	38.00	Howard Carter	Albuquerque	June 22, 2003	Dinner	Little Turkish Village	38.00
T000421	E003426	38.00	Howard Carter	Albuquerque	June 23, 2003	Parking	City of Ottawa	38.00
T000421	E003427	38.00	Howard Carter	Albuquerque	June 24, 2003	Hotel	Natural Choice B&B	38.00
T000421	E003432	24.00	Howard Carter	Albuquerque	June 25, 2003	Airport Parking	AirportFastpark	38.00
T000421	E003433	9.74	Howard Carter	Albuquerque	June 25, 2003	Lunch	Siam Cafe	38.00
T000421	E003434	47.45	Howard Carter	Albuquerque	June 25, 2003	Trip to ABQ		38.00
T000422	E003442	5.61	Howard Carter	Albuquerque	June 29, 2003	Breakfast	Black Mesa	48.00

Annotations:

- Real-time drag & drop reporting from your Notes databases** (Yellow callout pointing to the table)
- Metadata model generated by the Data Modeler for Notes** (Yellow callout pointing to the metadata tree)
- Metadata model in Cognos 8 BI Query Studio** (Green callout pointing to the metadata tree)

Notes Metadata Model ...

Menu

- Insert Data
- Edit Data
- Change Layout
- Run Report
- Manage File

DMSampleData

- ExpenseItem
 - Authorization#
 - Expense#
 - Amount
 - Person
 - City
 - Date
 - Description
 - Payee
 - Check#
 - Days to Pay
- Reservation
 - Authorization#
 - Reservation#
 - Vendor
 - Description
 - City
 - Confirmation#
 - Start Date
 - End Date
 - Names
 - Price
 - Link

Travel by City

Amount

City

Authorization#

- T000421
- T000425
- T000426
- T000427
- T000428
- T000429
- T000430
- T000433
- T000434
- T000435
- T000436
- T000437
- T000438
- T000439
- T000440
- T000441
- T000443
- T000444
- T000445
- T000446
- T000448
- T000450
- T000451
- T000452
- T000453

Amount	Buffalo	Cambridge	Frankfurt	Las Vegas	London	New York	Orlando	Ottawa
T000421								415.03
T000425								471.43
T000426		690.54						
T000427		1,741.57						
T000428			466.51					
T000429					780.37			
T000430								692.11

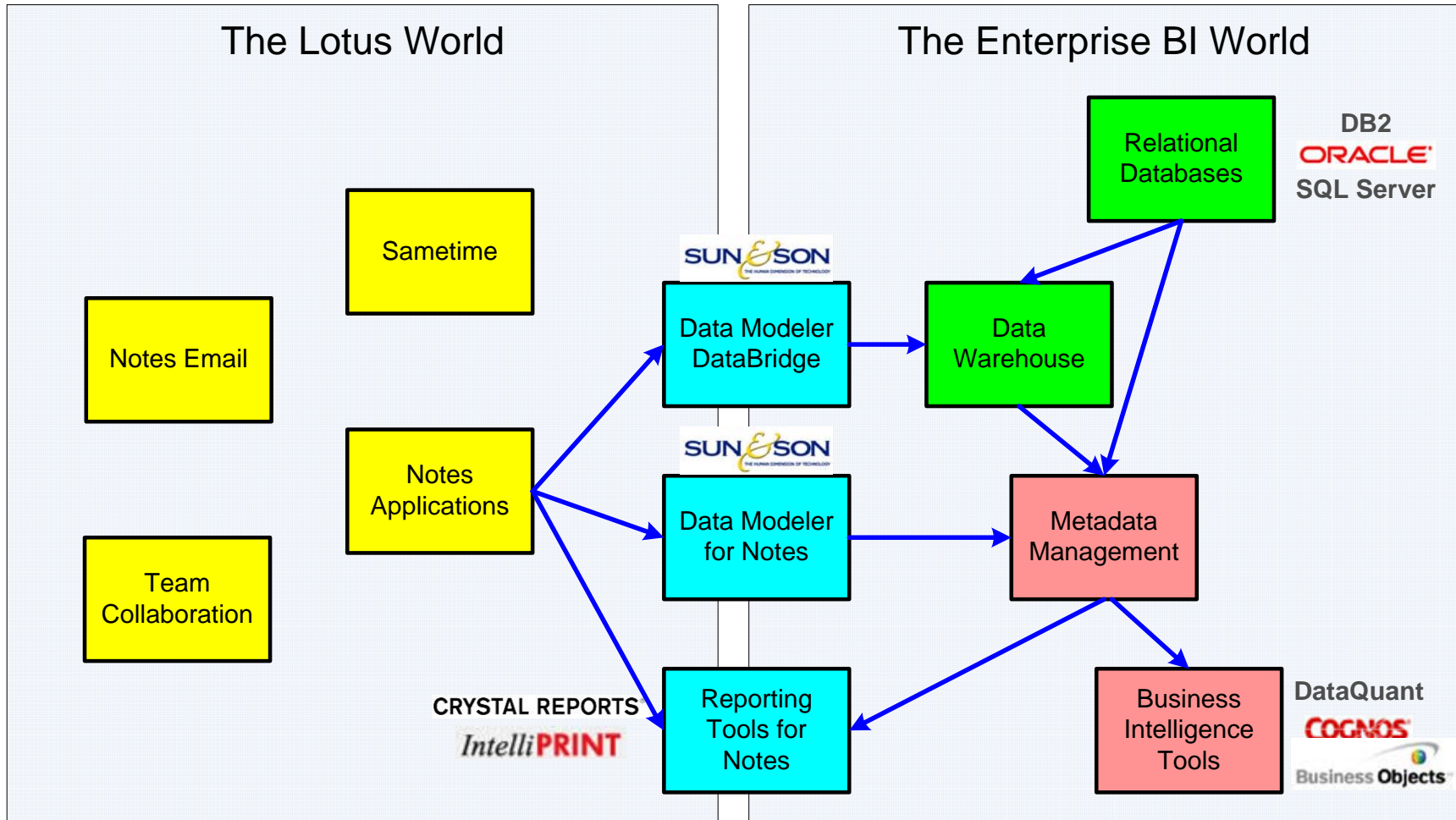
Top Page up Page down Bottom

Metadata model in Cognos 8 BI Query Studio

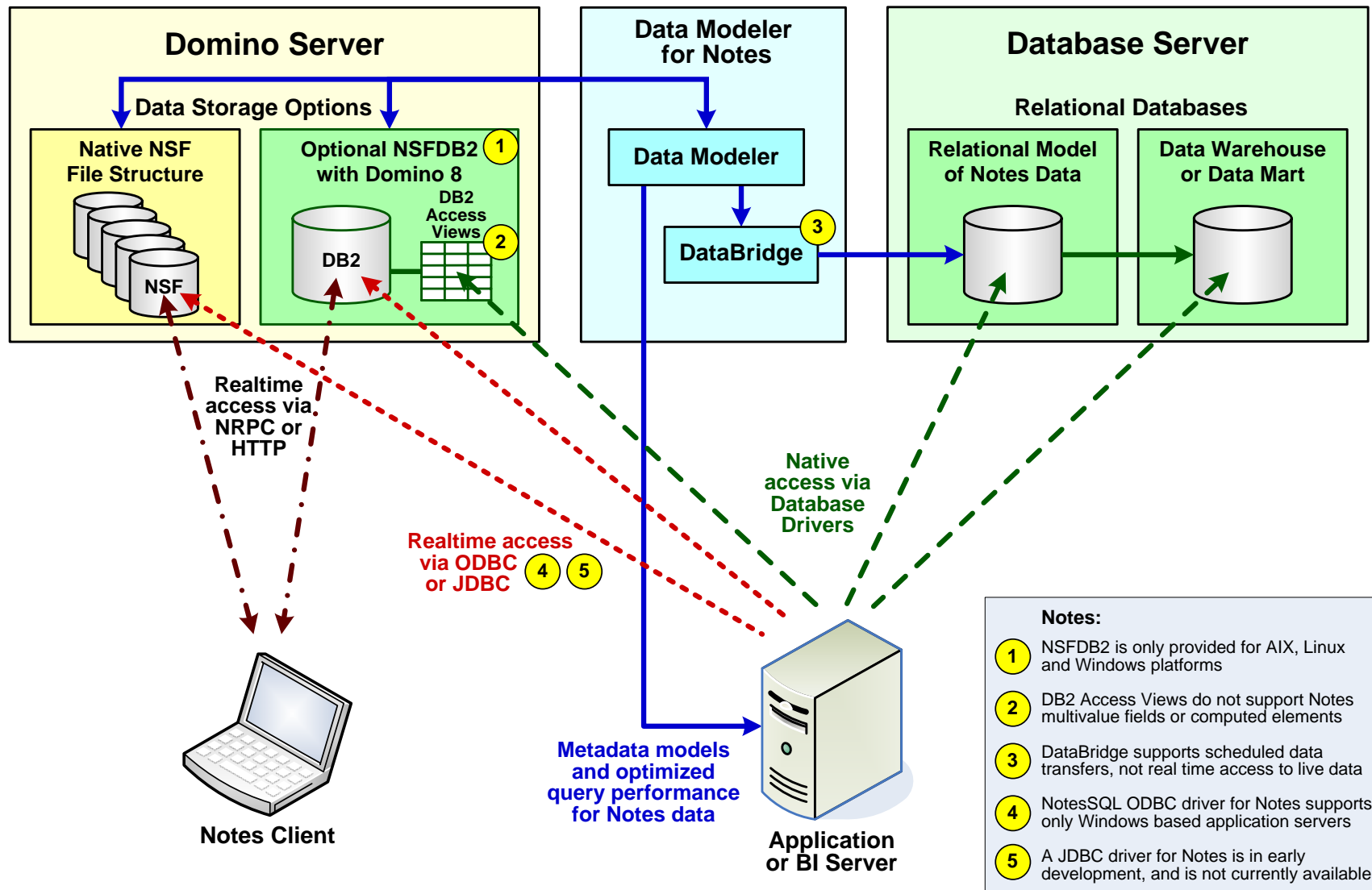
Create charts, pivot tables, scorecards and more from your Notes data

Now you can create powerful Reports and Dashboards from your Notes data

Data Modeler Brings Notes into the Enterprise BI World



Lotus Notes Enterprise Data Integration Architecture



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Download the Data Modeler Trial:
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