

IBM Software Demos
Lotus Domino Designer 7 - Part 2: "DB2 Access View" and "Query View"
features

Lotus Domino Designer 7 Demo – Part 2

1a(0:01)

In this demonstration segment, developer Dan Locke will use Domino Designer to expose the "Tool Rentals" application data in DB2, and enable access to it using Structured Query Language commands.

1b(0:15)

To accomplish this, Dan first creates a "DB2 Access View", a new design element in Domino Designer version 7. From a Domino form, he selects fields to be included in the view, and easily modifies the order in which the fields will be organized in both the DB2 Access View and the DB2 database.

1c(0:38)

"Access View Entry" properties include the field's name and its Notes data type, as well as the corresponding DB2 data type.

1d (0:48)

In the DB2 Access View properties, Dan specifies a name, and then selects the Notes form that will be associated with the view. This selection will determine which Notes documents are included in the DB2 Access View.

2a (1:03)

The view is then validated to ensure that the appropriate properties have been set correctly.

2b (1:11)

With the DB2 Access View successfully defined in Domino Designer, Dan now creates the associated DB2 definitions to support the view, and then populates the view with data from existing Notes documents. A status icon indicates successful completion of these operations.

<<Transition to DB2 Command Center>>

2c (1:33)

Using the DB2 Command Center utility, Dan has constructed an SQL query which selects all of the fields exposed in the "Tool Rental" DB2 Access View. When the query is executed, the results show data from Notes documents based on the "Employee Tool Rental" form, which is associated with the DB2 Access

IBM Software Demos

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View. Here we see that employee number 10 has rented a hammer and reported that the "Handle is cracked".

<<Transition to Notes Client>>

3a (2:04)

From his Notes client, Dan updates the comment field in the tool rental document to indicate that the broken handle has been repaired.

<<Transition to DB2 Command Center>>

3b (2:17)

Again using DB2 Command Center to refresh the query created earlier, we see that the data has been dynamically updated to reflect the change made from the Notes client.

<<Transition to Domino Designer>>

3c (2:30)

Next, Dan returns to Domino Designer to create a Query view. A Query view is a new type of Domino view that uses an SQL statement to define its selection criteria.

3d (2:45)

After specifying a name for the view, he chooses the appropriate selection condition, and then pastes the SQL statement that determines the data to be displayed. Note that this query includes columns from the "Tool Rental" DB2 Access View created earlier, and from a separate DB2 table named "Employee".

4a (3:08)

When Dan opens the new Query view in Lotus Notes, he sees a categorized column with information from the DB2 "Employee" table in blue, and information from the "Tool Rental" DB2 Access View in black.

4b (3:24)

Returning to Domino Designer, Dan works with another Query view called "Employee Rentals". This view contains an SQL-based selection condition that prompts the user for an employee renter ID, and then displays rental information for that employee.

IBM Software Demos
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4c (3:42)

From the Notes client, Dan opens this view, accepts the default ID, and views all rental documents containing that ID.

4d (3:51)

IBM Lotus Domino Designer version 7 lets developers rapidly build, test and deploy open, secure, mission-critical applications, and offers enhancements that support web standards and tighter integration with important business information.

END