



QDABRA DATABASE ACCELERATOR

Side-by-side Document Types to preserve SQL mapping when your form schema changes

DBXL allows you to create mappings from XML field to SQL columns. However, a problem arises if your schema changes drastically: the existing XML documents will not be compatible with the new form.

For the purposes of this tutorial, we will use the simplest of forms. It contains one field and one button, which submits to the DBXL Document Service. (For help on this, please see the Getting Started document included with your installation of DBXL.)

Data source:

Main

myFields

name

Form A

Of course, this is a trivial example, but it is what we need to illustrate the scenario.

We use Form A to create a document type in DBXL, add SQL mapping, and submit a few documents.

DATABASE ACCELERATOR Administration Tool

Document Type: FormA

Save Save As... Catalog

General Database Permissions SharePoint Documents Taxonomy Tree

Export Documents

Import Documents

Query Documents

To limit the number of documents shown, enter a starting Doc. ID and the number of documents to show, and then click query. You can then jump forward or backward by the number of shown documents, or click Query All to show all documents. To search for a Document with a specific Ref. ID, type the ID into the field, and then click Query.

Starting Doc. ID: 11 Ref. ID: Range: 20 Previous Next Query Query All

Documents

Delete Delete All Reshed Reshed All

Doc. ID	Ref. ID	Version #	Name	Author	Description
11	1	1	Document1		
12	2	1	Document2		

Reshed Selected

Open Open



Table - dbo.MySQLTable		Summary
	id	Name
▶	1	Document1
	2	Document2
*	NULL	NULL

Now your form schema changes! We'll call the updated XSN "Form B".

Data source:

Main

myFields

New_Name

Form B

If you update the XSN template in DAT, you'll find that your form cannot load the data in existing documents!

The workaround is to create a new document type. In the DocType for Form A, click **Save As**.

DATABASE ACCELERATOR Administration Tool

Document Type: FormA

Save Save As... Catalog

General Database Permissions SharePoint Documents Taxonomy Tree

Document Type Details

Name: FormA Solution Group: [dropdown]

Description:

Last Modified By: AUTONOMYSYSTEMS\ErnestoM

InfoPath Form Template

XSN File: FormA.xsn
Microsoft Office InfoPath Form Template
4.59 KB

Form Template Properties

Form Version: 1.0.0.6
Last Modified: 9/17/2009 11:46:16 AM
☐ Form template is signed

Open

Call the new DocType Form B and attach FormB.xsn. Then click **Save** in the header (and **OK** in the confirmation dialog). You have created a new doctype, with the new form, but retaining the existing database mapping. You can switch to the Database tab to verify. You'll need to update the mapping due to your updated schema.



Database Map

Reshred All Documents

Refresh Database

Table Name (1 Columns) ▼	Node Path		
MySQLTable	/my:myFields		
Column Name	DB Type	Key	Node Path
Name	String	☐	my:New_Name

Insert Table or Column

Insert Table or Column

With the mapping updated, create a new document in Form B, and you'll see that the data gets shredded into your table.

This scenario is also applicable when you have an existing form with existing documents in SharePoint, and need to create a doctype and import the documents in DBXL. If your form template undergoes drastic changes, you can create a side-by-side solution: one doctype to administer old documents and one doctype for future documents.

For more info related to this scenario, please see the document called "[Shredding two Document Types to the same table creates duplicate rows](#)".