



## XML RENDERING SERVICE

### OVERVIEW

This new feature will create XML files from the SQL data. To keep a loosely coupled design, this service does not support data type nor schema validation. If the created XML doesn't open, the DBXL Admin will have to fix the mapping or restrict the incoming data. This feature leverages logic in the previous PDF Render Mapping feature to send emails (sending XML emails in this feature).

### CREATE A MAPPING FOR XML RENDERING

- Click Edit Icon for **QdRenderMapping** DocType.

QdExpenseReport- Sample	1.0.0.4	2			
QdRender	1.0.0.7	1428			
QdRenderMapping	1.0.0.40	67			

- Click on **Open** to open the **QdRenderMapping.xsn**

**DATABASE ACCELERATOR Administration Tool** QDABRA SOFTWARE

Document Type: QdRenderMapping Save Save As... Catalog

General Database Permissions SharePoint Documents Taxonomy Tree

**Document Type Details**

Name	Solution Group
QdRenderMapping	

Description

Last Modified By  
DBXL3-365\dbxladmin

**InfoPath Form Template**

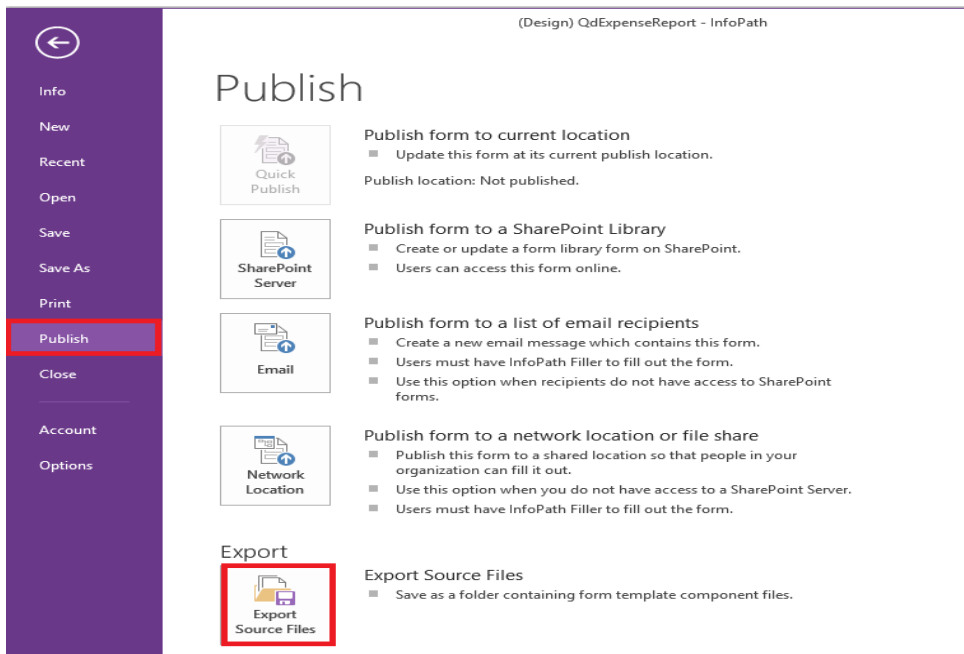
XSN File	Form Template Properties
QdRenderMappingMX.xsn Microsoft InfoPath Form Template 177 KB <a href="#">Open</a>	<b>Form Version:</b> 1.0.0.40 <b>Last Modified:</b> 6/5/2015 11:47:34 AM <input type="checkbox"/> Form template is signed <input type="checkbox"/> URN-based solution

**URL to Form Template**  
<https://dbxl365.formsboard.com/QdabraWebService/Forms/ID/160/template.xsn>

- Once the form opens, indicate a mapping name if desired.
- Select the **XML** from the dropdown menu for the **Rendering type**.
- Select a **Target Document Type** from the Dropdown.
- Click **Load Information**.



- Attach the **template xml** to use for generating the xml. To get the template xsn, save the InfoPath form that you chose for Target Document Type on your computer.
- Go to the location where you saved the Form and right-click on it.
- Open the form in InfoPath Design by clicking on **“Design”**.
- Go to **File → Publish**. Click on **Export Source Files**.



- Browse to the location you want to save the folder and give it your Form's name. A new folder will be created containing form template component files. Double-click to open the folder. There you will find the **template.xml** file.


TestForm\_Render\_XML

Name	Date modified	Type	Size
7365E1C0.png	6/4/2015 2:40 PM	PNG image	18 KB
ADDRESS	6/4/2015 2:40 PM	File	4 KB
ADDRESS.xml	6/4/2015 2:40 PM	Microsoft InfoPat...	4 KB
ADDRESS1.xsd	6/4/2015 2:40 PM	XML Schema File	2 KB
AES.xml	6/4/2015 2:40 PM	Microsoft InfoPat...	1 KB
AES1.xsd	6/4/2015 2:40 PM	XML Schema File	1 KB
E9713FDB.png	6/4/2015 2:40 PM	PNG image	18 KB
header.png	6/4/2015 2:40 PM	PNG image	2 KB
manifest.xsf	6/5/2015 9:22 PM	Microsoft InfoPat...	41 KB
myschema.xsd	6/4/2015 2:40 PM	XML Schema File	10 KB
Print.xsl	6/4/2015 2:40 PM	XSL File	52 KB
Qdabra.Consulting.MXCommands.dll	6/4/2015 2:40 PM	Application extens...	12 KB
QueryScenarios.xml	6/4/2015 2:40 PM	Microsoft InfoPat...	5 KB
QueryScenarios.xsd	6/4/2015 2:40 PM	XML Schema File	7 KB
sampledata.xml	6/4/2015 2:40 PM	Microsoft InfoPat...	7 KB
SharedFormLogic.xml	6/4/2015 2:40 PM	Microsoft InfoPat...	7 KB
SharedFormLogic1.xsd	6/4/2015 2:40 PM	XML Schema File	11 KB
Submit.xml	6/4/2015 3:01 PM	Microsoft InfoPat...	1 KB
<b>template.xml</b>	6/5/2015 9:22 PM	Microsoft InfoPat...	6 KB
upgrade.xsl	6/4/2015 2:40 PM	XSL File	17 KB
view1.xsl	6/4/2015 3:01 PM	XSL File	75 KB

- Now go back to the DBXL Render Mapping page, click on "Click here to attach the template", navigate to the location of the **template.xml** file and attach it.
- Under **XML document attributes** you will find three sections for **Name expression**, **Author expression** and **Description expression** respectively. The users can enter the desired values to each of these fields that they want to display while generating the Xml file.

**XML Rendering**

Attach the template xml to use for generating the xml



template.xml  
Microsoft InfoPath Form  
2.34 KB

XML document attributes

Name expression  
concat('Expense Report # ', /my:expenseReport/my:employee/my:identificationNumber, ', ', /my:expenseReport/my:employee)

Author expression  
'Render Mapping'

Description expression

- Below this you will find a Repeating table with 3 columns for **Source Xpath**, **Dest Xpath** and **Xml Mapping Description**.
- For the Source Xpath enter the XPath of the field that you want to include in the XML file.
- For the Dest Xpath, open your Infopath form in Design mode and select the field that you want to render from the Fields section. Right-click on the field and click on "**Copy XPath**".

The image shows a web form titled "EXPENSE REPORT" and a "Fields" panel. The form includes sections for "Report Date", "Business Purpose", "Employee Information", "Manager Information", and "Itemized Expenses". The "Fields" panel on the right shows a tree view with "employee" > "name" selected, and a context menu with "Copy XPath" highlighted.

- Go to the DBXL Render Mapping and paste it under Dest Xpath for the desired field, in front of its Source Xpath.
- Write a small description of the Field under *Xml Mapping Description* column to make it understandable.

Source Xpath	Dest Xpath	Xml Mapping Description
/*/employeeName	/my:expenseReport/my:employee/my:name	Employee Name
/*/Identity	/my:expenseReport/my:employee/my:identifi	Employee ID
/*/emailAddress	/my:expenseReport/my:employee/my:emailAc	Employee Email address
/*/jobTitle	/my:expenseReport/my:employee/my:jobTitle	Employee Job Title
/*/managerName	/my:expenseReport/my:manager/my:manager	Manager Name
/*/managerEmail	/my:expenseReport/my:manager/my:manager	Manager Email Address
/*/Purpose	/my:expenseReport/my:purpose	Business Purpose

- Leave the "View" section and "When to Render" section as is.
- For the "How to Save Rendering", check the box before *Send Email with Attachment* to receive the generated XML file attached to the email.
- Leave **PDF Naming** blank.

**View**  
Select the view that you want to use for rendering.

**When to Render**  
When should a form be rendered as a PDF?  
 When a new document is submitted       When an existing document is modified

**How to Save Rendering**  
When should a form be rendered as a PDF?  
 Save as QdFile and send Email with link       Send Email with Attachment

**PDF Naming**  
Naming expression

- For the **Email section**, you can write an expression to include a Subject line that you want to include with the email. Check the box for '**Is Expression**' if the Subject is an Expression.
- Under **From Address**, select **Use Static Values** and enter the email address that you want to use for sending out the XML rendering of the form.
- Under **To Addresses** enter email address of the people you want to send the XML file to. You can also copy an XPath of an email field from the form to send the emails using dynamic values from the form.
- Similarly, add email addresses to CC and BCC others to the emails.
- Click on **Save** to save the render mapping of the form.

**Email**  
Subject  
concat(/my:expenseReport/my:employee/my:identificationNumber, ' ', /my:expenseReport/my:employee/my:emailAddress)  Is Expression

Body  
 Is HTML     Is Expression

**From Address**  
Please indicate who should be shown as the sender of the rendered e-mails.  
 Use Static Values       Determine values dynamically (XPath)  
 E-mail address: NoReply@qdbra.com      Display name (optional):

**To Addresses**  
You can indicate static values for the recipients of the e-mails, determine them dynamically using XPath, or both.  
 Static Values  
 E-mail Address:      Display Name (optional):  
 Insert item  
 Dynamic Values  
 XPath to e-mail address(es): /my:expenseReport/my:employee/my:emailAddress      XPath to display name(s) (optional, relative to e-mail field):

**CC Addresses (optional)**  
You can indicate static values for the recipients of the e-mails, determine them dynamically using XPath, or both.  
 Static Values  
 E-mail Address:      Display Name (optional):  
 Insert item  
 Dynamic Values  
 XPath to e-mail address(es):      XPath to display name(s) (optional, relative to e-mail field):

**BCC Addresses (optional)**  
You can indicate static values for the recipients of the e-mails, determine them dynamically using XPath, or both.  
 Static Values  
 E-mail Address:      Display Name (optional):  
 Insert item  
 Dynamic Values  
 XPath to e-mail address(es):      XPath to display name(s) (optional, relative to e-mail field):

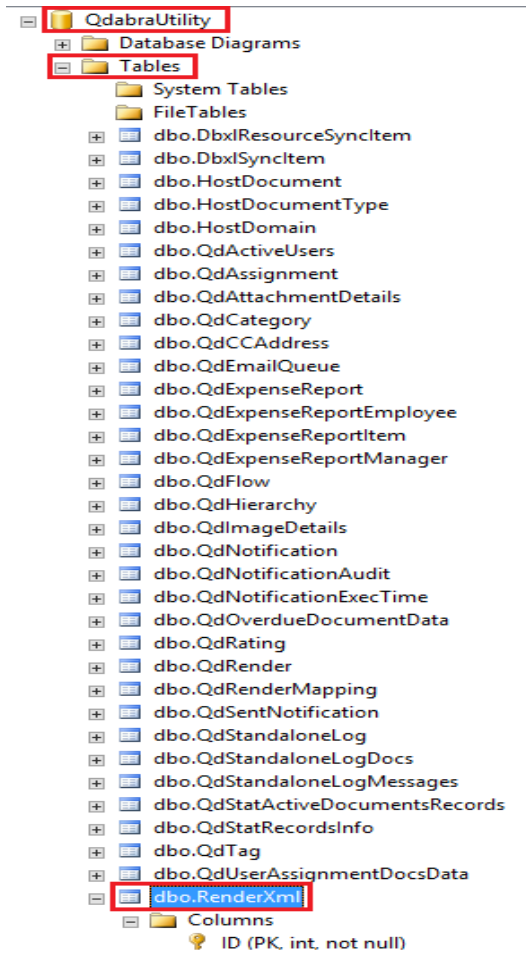
Save As      Save

## SAMPLE TEST FOR XML RENDERING

- This is the sample test SQL insert that has been used for testing XML Rendering service on DBXL test site.

```
USE [QdabraUtility]
GO
INSERT INTO [dbo].[RenderXml]
    ([DocTypeName]
    ,[SourceRenderMapping]
    ,[DataXml]
    ,[TargetRendering]
    ,[Processed])
VALUES
    ('QdExpenseReport-XML'--'QdExpenseReport-Xml'
    ,2567,N'
    <ExpenseReport>
      <employeeName>Prachi Singh</employeeName>
      <Identity>007</Identity>
      <emailAddress>prachi.singh@qdabra.com</emailAddress>
      <jobTitle>QAE and Support Lead</jobTitle>
      <managerName>Patrick Halstead</managerName>
      <managerEmail>patrick.halstead@qdabra.com</managerEmail>
      <Purpose>Customer meeting</Purpose>
    </ExpenseReport>'
    ,NULL
    ,0)
GO
```

- To test the XML Rendering open the SQL Server Management Studio on the server where you have DBXL installed.
- Connect to the SQL database and expand **Qdabra Utility** folder. Expand **Tables** folder and scroll down till you find **dbo.Render.Xml**.



- Create a new query like the one above and you can give hard-coded values for the Form fields that you want to include in the XML file.

**DocTypeName** → 'XmlRenderingTest

**SourceRenderMapping** → 2567 (DocId number of DBXL Render Mapping for XML)

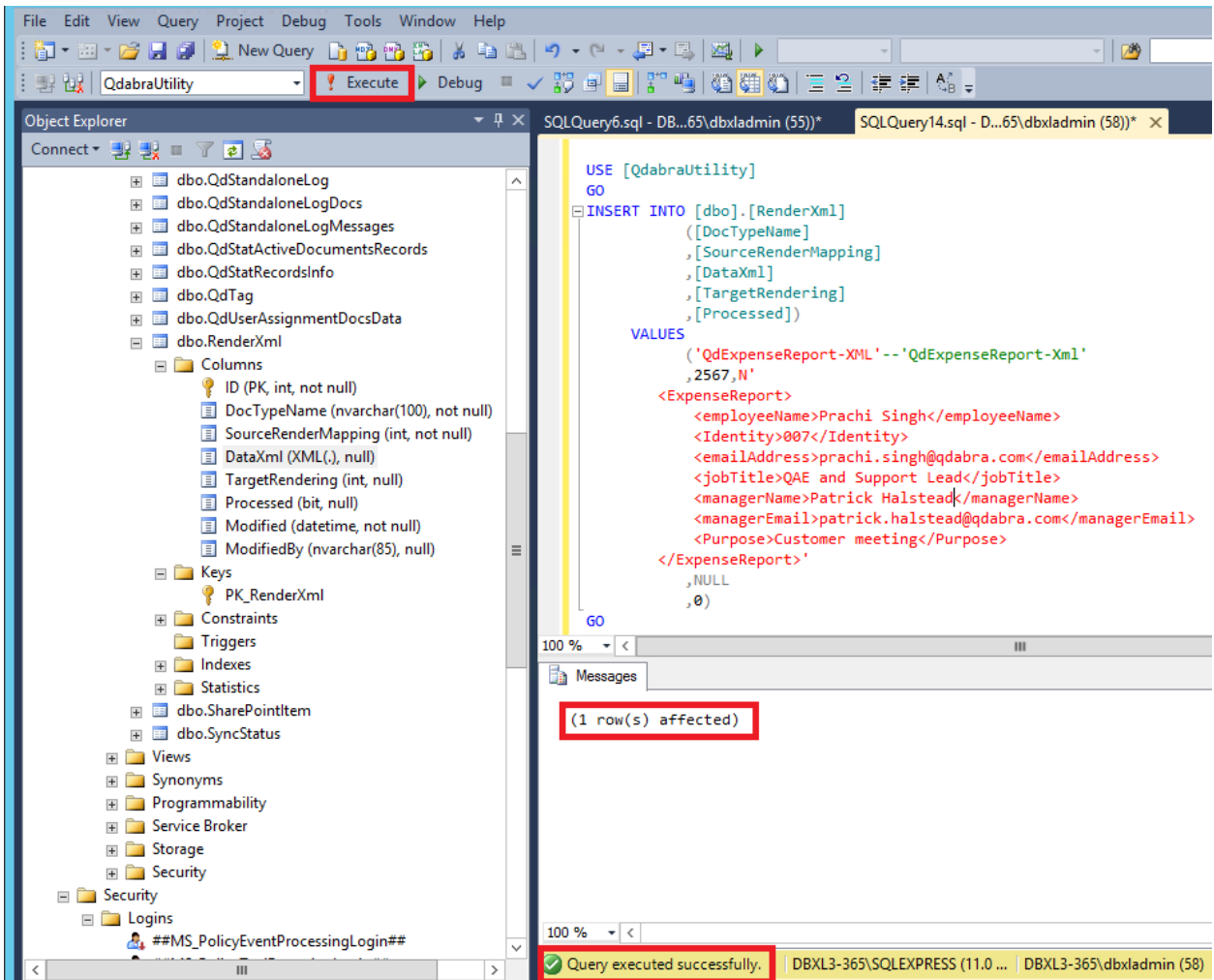
**DataXml** → Fields that have to be Rendered + Hard-coded value

(eg. <employeeName>Prachi Singh</employeeName>)

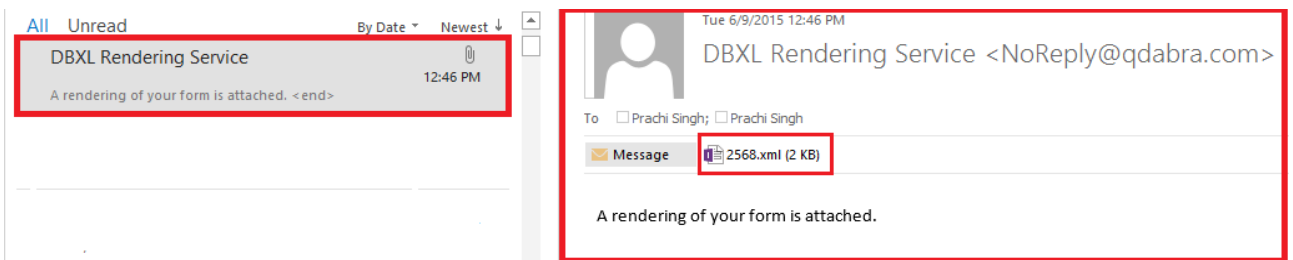
**Target Rendering** → NULL

**Processed** → 0

- Once you have entered all the values, **Execute** the SQL Query.



- You will receive an email with the Xml file attached.



- Double-click on the xml file and the form will open in InfoPath Filler with the hardcoded values that were given in the SQL query.

## EXPENSE REPORT

Report Date:  Expense Code:  Start Date:  End Date:

Business Purpose:

### Employee Information

Name:  Title:

Department:  ID Number:

E-mail Address:

### Manager Information

Name:  E-mail Address:

### Itemized Expenses

Date	Description	Category	Cost	
<input type="text"/>	<input type="text"/>	<input type="text"/>	0.00	>>
<b>Subtotal</b>			0.00	
<b>Less cash advance</b>			0.00	
<b>Total expenses</b>			0.00	

Add Expense

### Item Details

## CONTACT INFORMATION

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