

SUBMIT TO DBXL ANONYMOUSLY USING SUBMITDOCUMENTWITHKEY METHOD

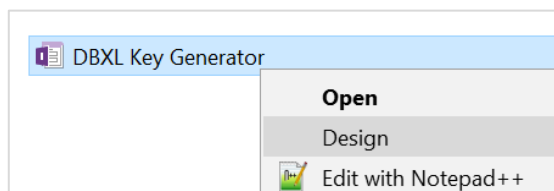
The Anonymous Web Service allow usage of Submit web service for Cloud Platforms/Services.

The objective of this document is to introduce you to the SubmitDocumentWithKey operation on the scenario where SharePoint is on a different server/domain from Azure – which is a standalone server.

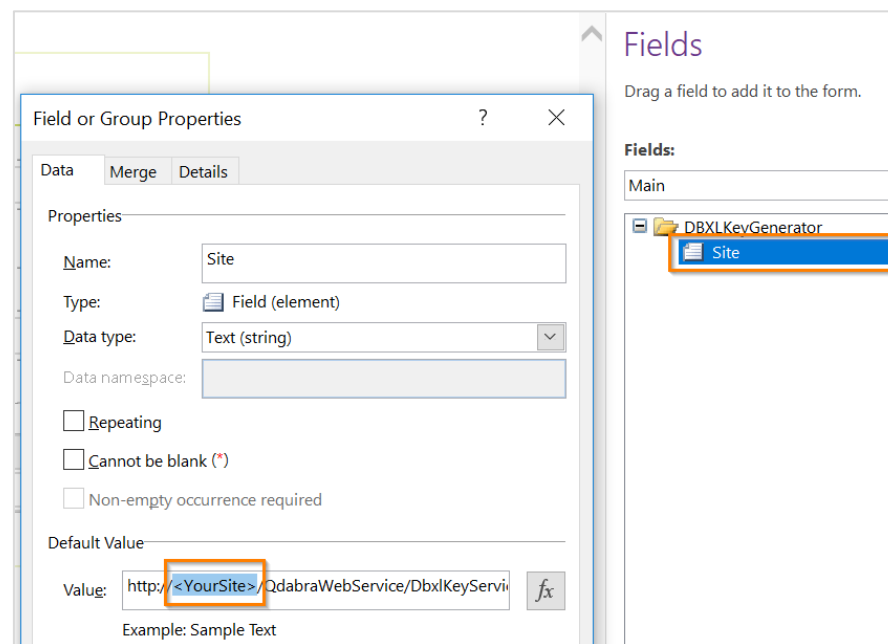
Create the Key

To create a Key for Cloud Platforms/Services, we must first access the DbxlKeyService web service. We have provided you a form template that will generate this key – you'll just need to modify this form to point the data connection to your own site. Follow the steps below:

1. Open up **DBXL Key Generator.xsn** that is included in this package. Right click and select Design to open the form template in InfoPath Designer.



2. In the Fields Main data source, double click on the **Site** field and change the default value to the site where you installed DBXL.



3. Click **OK**.
4. Click **Preview**.
5. Enter your username and click the **Query for Key** button. You'll see that a new key is generated:

DBXL Key Generator

Username:

Get User Key Result:

```
eyJhbGciOiJIUzEiLCJ0eXAiOiJKV1QiLCJ0eXNlcm5hbWUiOiJ0ZXN0ZXIiLCJmVhdGVkIjoimjAxOC0wOC0yOVQwOT0lNT0zOSIsImV4cGlyZXMiOiIyMDE5LTA4LTI5VDA5OjU1OjM5In0.X_Lz84HhH6a99nas6uz001KKyg8
```

Command	Result	Success	Error
ChangeConnectionUrl /dsname=GetUserKey /url=http://dbxl- wUPTU.azures.cloudapp.azure.com/QdabraWebService/DbxlKeyService.asmx	http://dbxl- wUPTU.azures.cloudapp.azure.com/QdabraWebService/DbxlKeyService.asmx	☒ Success	

- Copy and paste this string in Notepad. This Key will be used for submitting documents. The qRules command you see underneath indicates that the form's data connection for GetUserKey is successfully changed to point to your site.

NOTE: Only DBXL Admins and Users themselves have the authority to generate User Keys. DBXL Admins may request a user key for a user that does not exist in AD.

For example, you could create a user key for "o365user" and get a key to use with QueryDB or doctypes that have granted permission to o365user.

Add the SubmitDocumentWithKey Data Connection

Next, you need to modify your form template to submit using the **SubmitDocumentWithKey** operation. For the purpose of this document, we added fields in the main data source to serve as placeholders for key, DocType Name, and Form Name.

Fields:

Main

myFields

StudentInfo

Subjects

FormInfo

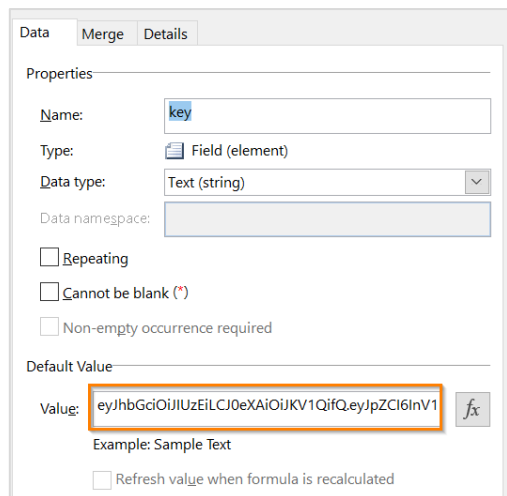
key

DocTypeName

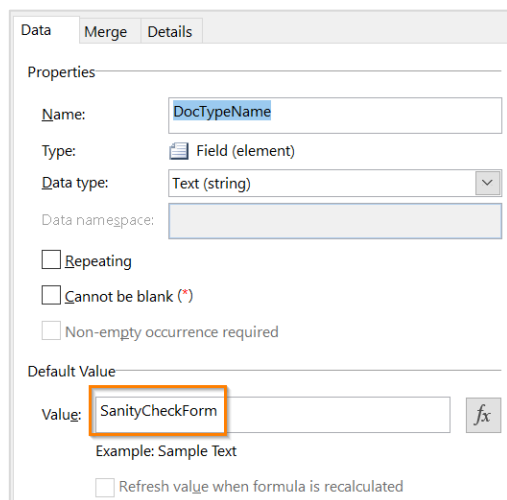
FormName

Make sure that the **key** and **DocTypeName** fields contain the correct default values:

- key**– this is the key you generated using the DBXL Key Generator.



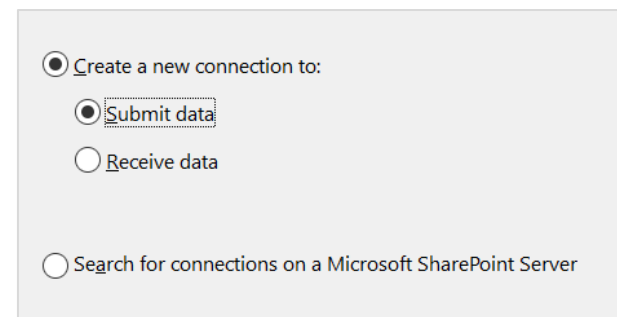
2. *DocTypeName* – this is the name of the Document Type in DBXL where you want to submit to. Make sure to use the exact name.



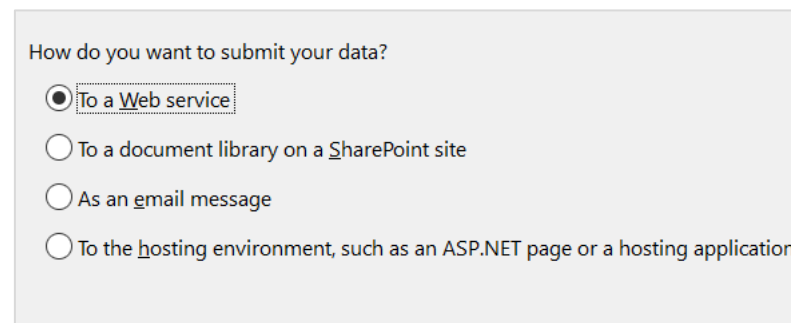
3. *FormName* – this is the form name (in other words, file name) to use when submitting your form to a SharePoint form library. Later, we will construct a formula to create the form name.

Go ahead and open your form template in InfoPath Designer.

1. Add a new Data Connection that **Submits data**. Click **Next**.



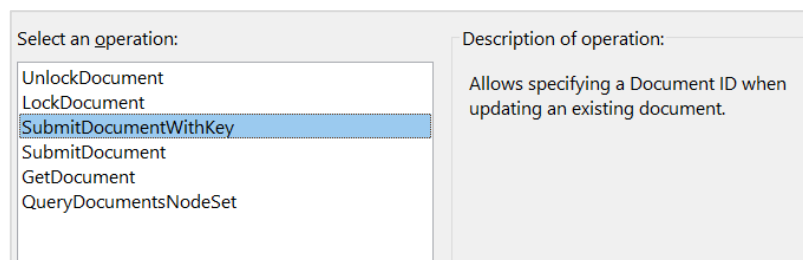
2. Select **To a Web service**. Click **Next**.



3. Enter the Web service URL – follow the format below and click **Next**.

<http://<YourSite>/QdabraWebService/DbxlDocumentWithUserKeyService.aspx>

4. Select the **SubmitDocumentWithKey** operation and click **Next**.



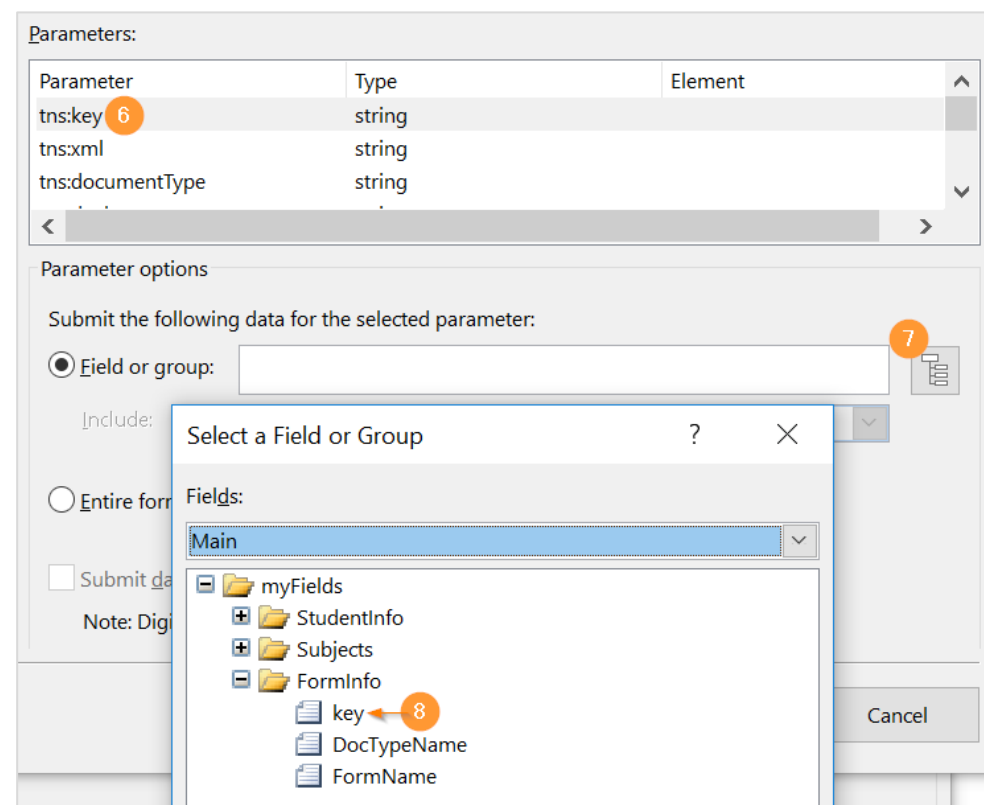
Select an operation:	Description of operation:
UnlockDocument	
LockDocument	
SubmitDocumentWithKey	Allows specifying a Document ID when updating an existing document.
SubmitDocument	
GetDocument	
QueryDocumentsNodeSet	

5. In the next steps, we will specify the values for these parameters:

- a. **tns:key**
- b. **tns:xml**
- c. **tns:docTypeName**
- d. **tns:clientDateTime**
- e. **tns:name**
- f. **tns:author**
- g. **tns:description**

KEY

6. Select the first parameter named **tns:key**.
7. Click the **Modify** button next to the **Field or group** text box. The **Select a Field or Group** dialog will appear.
8. Browse for the **key** field in the Main data source and click **OK**.



Parameters:

Parameter	Type	Element
tns:key	string	
tns:xml	string	
tns:documentType	string	

Parameter options

Submit the following data for the selected parameter:

☒ Field or group: 

☐ Entire form

☐ Submit data

Note: Dig...

Select a Field or Group

Fields:

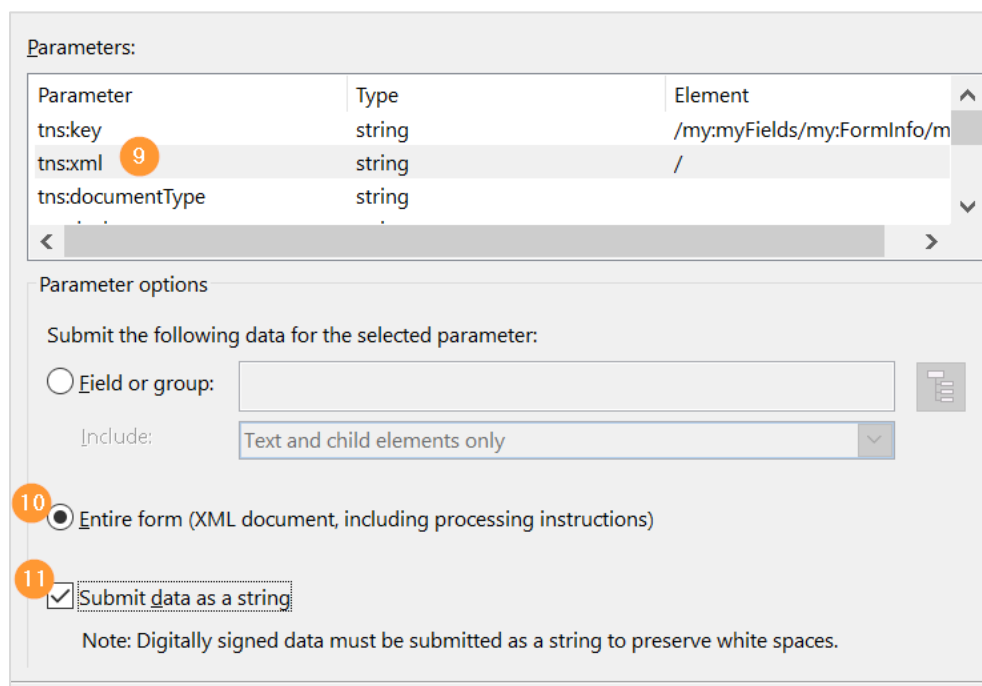
Main

- myFields
 - StudentInfo
 - Subjects
 - FormInfo
 - key**
 - DocTypeName
 - FormName

Cancel

XML

9. Select the second parameter, named **tns:xml**.
10. Under Parameter options select the **Entire form (XML document, including processing instructions)** radio button.
11. Check the **Submit data as a string** checkbox.



Parameters:

Parameter	Type	Element
tns:key	string	/my:myFields/my:FormInfo/m
tns:xml 9	string	/
tns:documentType	string	

Parameter options

Submit the following data for the selected parameter:

☐ Field or group:

Include:

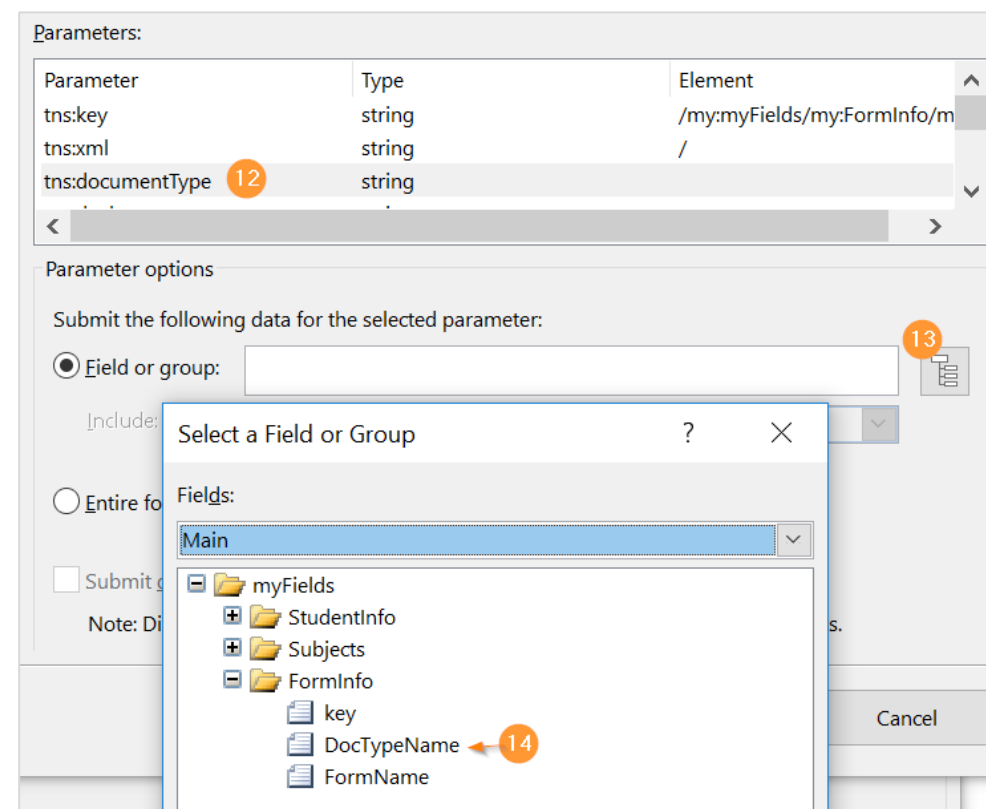
10 ☒ Entire form (XML document, including processing instructions)

11 ☒ Submit data as a string

Note: Digitally signed data must be submitted as a string to preserve white spaces.

DOCTYPENAME

12. Select the next parameter named **tns:docTypeName**,
13. Click the **Modify** button next to the **Field or group** text box.
14. Browse for the **DocTypeName** field in the Main data source and click **OK**.



Parameters:

Parameter	Type	Element
tns:key	string	/my:myFields/my:FormInfo/m
tns:xml 12	string	/
tns:documentType	string	

Parameter options

Submit the following data for the selected parameter:

☒ Field or group: 13

Include:

☐ Entire form (XML document, including processing instructions)

☐ Submit data as a string

Note: Digitally signed data must be submitted as a string to preserve white spaces.

Select a Field or Group

Fields:

Main

- myFields
 - StudentInfo
 - Subjects
 - FormInfo
 - key
 - DocTypeName 14
 - FormName

Cancel

DOCKEY

15. For **tns:dockey**, select the **FormName** field.

Parameters:

Parameter	Type	Element
tns:documentType	string	/my:myFields/my:FormInfo/my:DocTypeName
tns:dockey 15	string	/my:myFields/my:FormInfo/my:FormName
tns:clientDateTime	string	
tns:name	string	

Parameter options

Submit the following data for the selected parameter:

☒ Field or group: /my:myFields/my:FormInfo/my:FormName

Include: Text and child elements only

☐ Entire form (XML document, including processing instructions)

☐ Submit data as a string

Note: Digitally signed data must be submitted as a string to preserve white spaces.

will display as values for Name, Author, and Description in the DBXL Administration Tool's Documents tab:

Doc. ID	Reference ID	Version #	Name	Author	Description
489	12	1	Alfajara	Kervi	CS

Parameters:

Parameter	Type	Element
tns:clientDateTime	string	/my:myFields/my:StudentInfo/my:EnrollmentDate
tns:name	string	/my:myFields/my:StudentInfo/my:FirstName
tns:author	string	/my:myFields/my:StudentInfo/my:LastName
tns:description	string	/my:myFields/my:StudentInfo/my:Course

Parameter options

Submit the following data for the selected parameter:

☒ Field or group: /my:myFields/my:StudentInfo/my:EnrollmentDate

Include: Text and child elements only

☐ Entire form (XML document, including processing instructions)

☐ Submit data as a string

Note: Digitally signed data must be submitted as a string to preserve white spaces.

CLIENTDATETIME, NAME, AUTHOR & DESCRIPTION

16. Select the fields for **tns:clientDateTime**, **tns:name**, **tns:author**, and **tns:description**. These are not required but note that the fields you select for **tns:name**, **tns:author**, and **tns:description**

17. When done, click **Next**.

18. Provide a meaningful name for the Web Service Submit data connection. Uncheck "Set as the default submit connection".

Enter a name for this data connection:

DBXLSubmitWithKey

☐ Set as the default submit connection

19. Click **Finish** and close the Data Connection window.

Add Submit Button Rules

1. Click on the Submit button.
2. Under the Home tab, click **Manage Rules**.
3. Add an action rule named Set Form Name.
4. Click the Condition link.
5. For the first dropdown, select the **FormName** field.
6. Select "is blank" from the second dropdown.

Condition

Run the rule when this condition is true:

FormName is blank

And » Delete

OK Cancel

7. Add an action that sets the **FormName** field.
8. Click the **fx** button and enter the formula:

```
concat(translate(LastName, " ", ""), "-", translate(now(), ":", ""))
```

Rule Details

Action:

Set a field's value

Field:

FormName

Value:

fx

Insert Formula

Formula:

```
concat(translate(LastName, " ", ""), "-", translate(now(), ":", ""))
```

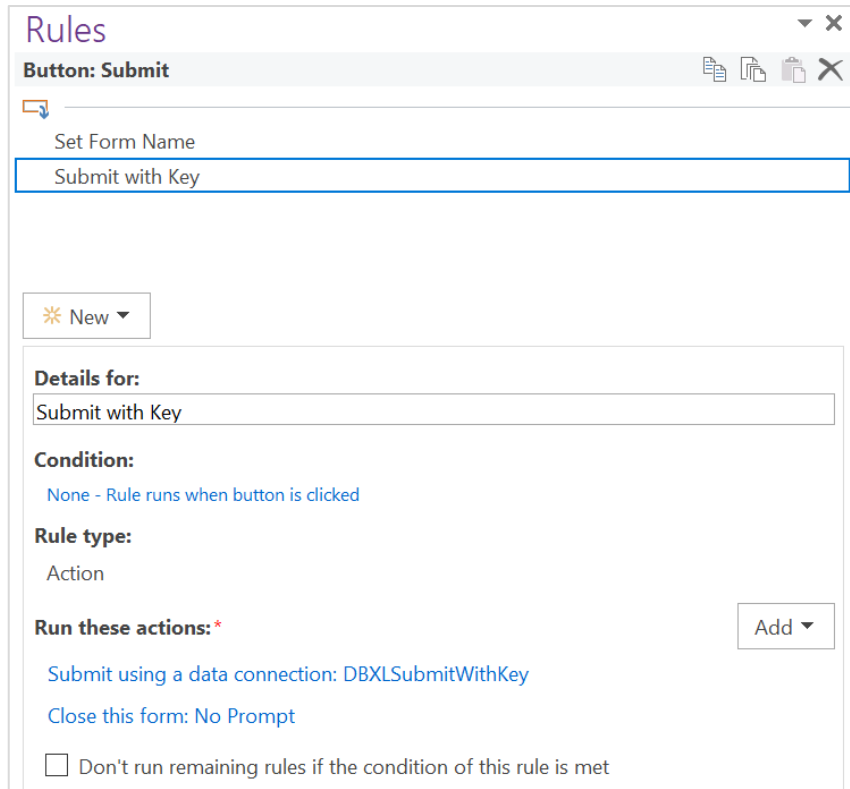
Insert Field or Group... Insert Function... Verify Formula

☐ Edit XPath (advanced)

OK Cancel

NOTE: As a sample, we used the LastName field in the form, but you can select any fields you want for your filename. Notice that the formula will generate a concatenated form name using the user's LastName and the Date and Time as represented by the function *now()*. The condition on the other hand prevents the action to run if the FormName field already has a stored value.

9. Click **OK**.
10. Add another action rule that Submits Data using the **DBXLSubmitWithKey** data connection.
11. Add another action that Closes the form.
12. Give this rule a meaningful name.



Rules

Button: **Submit**

Set Form Name

Submit with Key

New ▼

Details for:

Submit with Key

Condition:

None - Rule runs when button is clicked

Rule type:

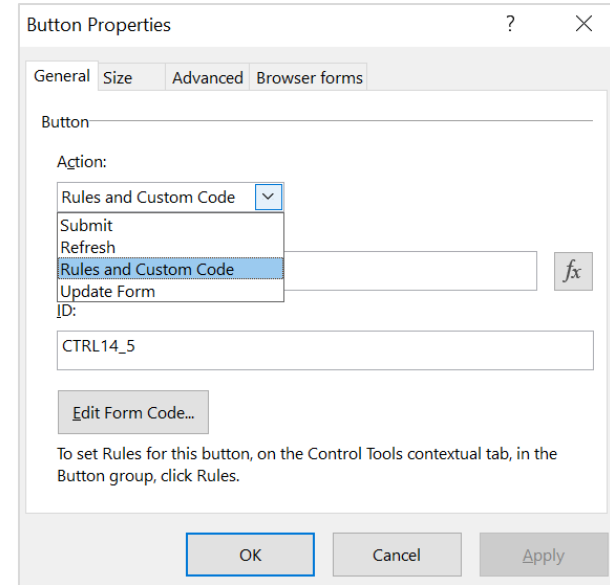
Action

Run these actions: *

Submit using a data connection: DBXLSubmitWithKey

Close this form: No Prompt

☐ Don't run remaining rules if the condition of this rule is met



Button Properties

General Size Advanced Browser forms

Button

Action:

Rules and Custom Code ▼

Submit

Refresh

Rules and Custom Code

Update Form

ID:

CTRL14_5

Edit Form Code...

To set Rules for this button, on the Control Tools contextual tab, in the Button group, click Rules.

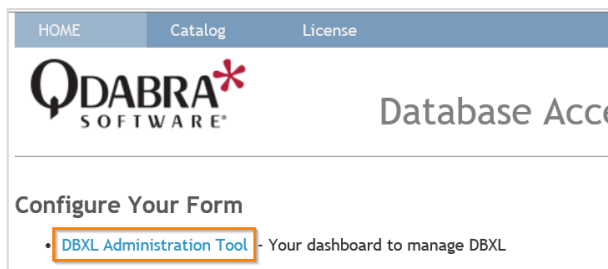
OK Cancel Apply

15. Save changes to the form.

Add User Permission in DBXL Administration Tool

1. Open DBXL's Administration Tool. If you are an admin, you can access the page link <http://<YourSite>/QdabraWebService/default.htm>.
2. Click on **DBXL Administration Tool**.

13. Right click on the **Submit** button and select **Button Properties**.
14. Select **Rules and Custom Code** for the action.



3. Select the Document Type Configuration.

Document Type Configuration	
Group & Name	Form Version
[-] Uncategorized forms	
QdExpenseReport-Sample	1.0.0.4
SanityCheckForm	1.0.0.54
SanityCheckForm2	1.0.0.55
SanityCheckForm3	1.0.0.55
SanityCheckForm5	1.0.0.55

4. Click on the Permissions tab.

Qdabra DBXL
Administration Tool DocType: **SanityCheckForm**

General Database **Permissions** Documents Statistics Email

Document Type Details

Name: **SanityCheckForm** Description:

Solution Group: 

 Delete This DocType

InfoPath Form Template

XSN File: Form Template

 Download URL: http://WS2012/Qc

 Upload New

- Check Enforce Permissions check box.
- Under Document Type Level Permissions, click **Insert permissions**.

General Database Permissions Documents Statistics Email XML Import Query Builder

Permission General

Use Unique Permission on this DocType ☒ Enforce Permissions

Document Type Level Permissions

Name	Role Name	Add	Read	Write	L-Write	Del	Admin
+ Insert permissions							

Document Level Permissions

Name	Membership XPath	Read	Write	L-Write	Del
+ Insert permissions					

- In the **Name** field, enter the username of the user you gave key to using the DBXL Key Generator form. In the example below, we entered the username for the Role Name, but the Role Name may be different depending on the user you used. Notice that the **Read** check box is automatically checked by default.

General Database Permissions Documents Statistics Email XML Import Query Builder

Permission General

Use Unique Permission on this DocType ☒ Enforce Permissions

Document Type Level Permissions

Name	Role Name	Add	Read	Write	L-Write	Del	Admin
Tester	Tester	☐	☒	☐	☐	☐	☐
+ Insert permissions							

Document Level Permissions

Name	Membership XPath	Read	Write	L-Write	Del
+ Insert permissions					

8. Check the **Add** check box.
9. Check the **Write** check box.

General Database **Permissions** Documents Statistics Email XML Import Query Builder

Permission General

Use Unique Permission on this DocType ☒ Enforce Permissions

Document Type Level Permissions

Name	Role Name	Add	Read	Write	L-Write	Del	Admin
Tester	Tester	☒	☒	☒	☒	☐	☐

+ Insert permissions

Document Level Permissions

Name	Membership XPath	Read	Write	L-Write	Del

+ Insert permissions

10. Click **Save**.

Qdabra DBXL Administration Tool DocType: **SanityCheckForm** **Save** **Save As**

General Database **Permissions** Documents Statistics Email XML Import Query Builder

Permission General

Use Unique Permission on this DocType ☒ Enforce Permissions

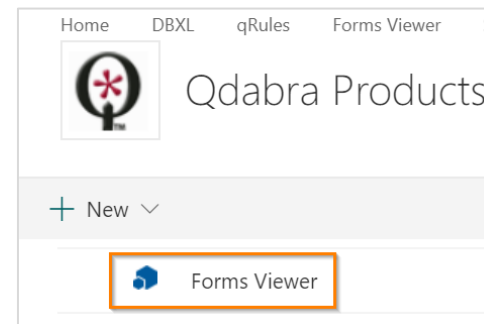
Document Type Level Permissions

Name	Role Name	Add	Read	Write	L-Write	Del	Admin
Tester	Tester	☒	☒	☒	☒	☐	☐

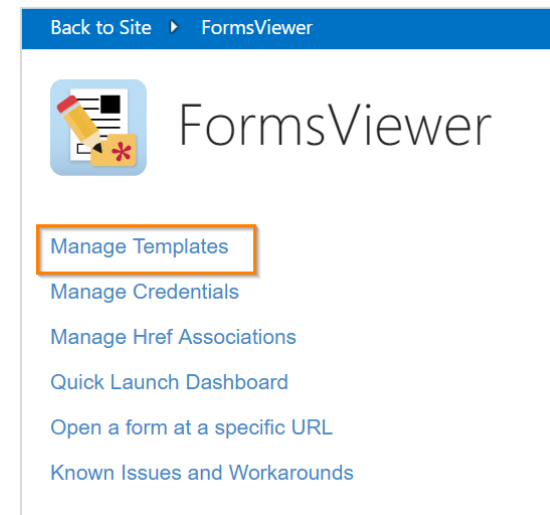
+ Insert permissions

Publish your form in FormsViewer

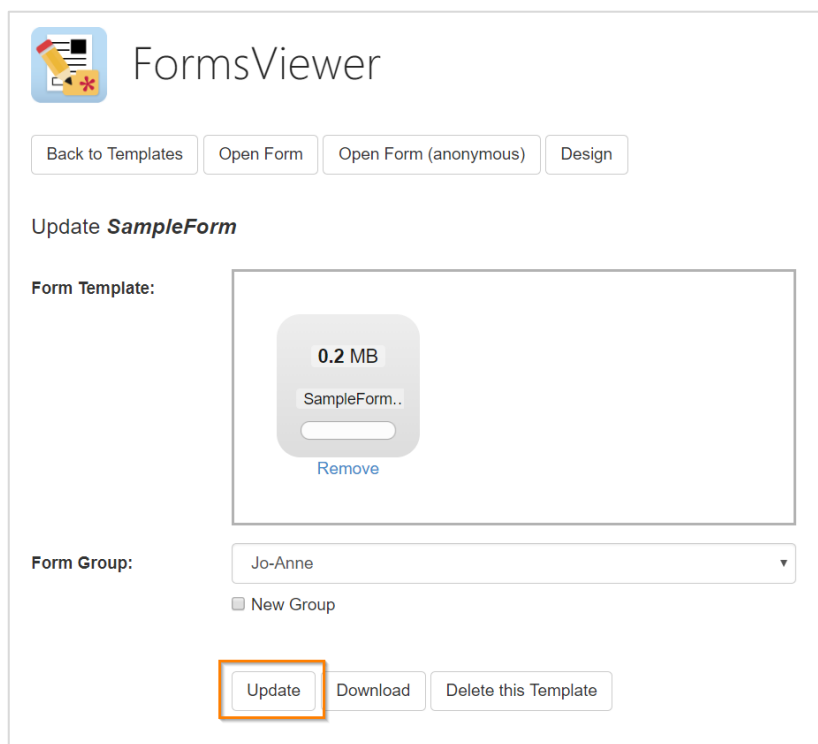
1. Launch your SharePoint site and go to Site Contents.
2. Click on the FormsViewer App.



3. Click on **Manage Templates**.



- Find your form template or upload a new one.
- Browse on your form or drop it in the control and click on **Update**.



FormsViewer

Back to Templates Open Form Open Form (anonymous) Design

Update **SampleForm**

Form Template:

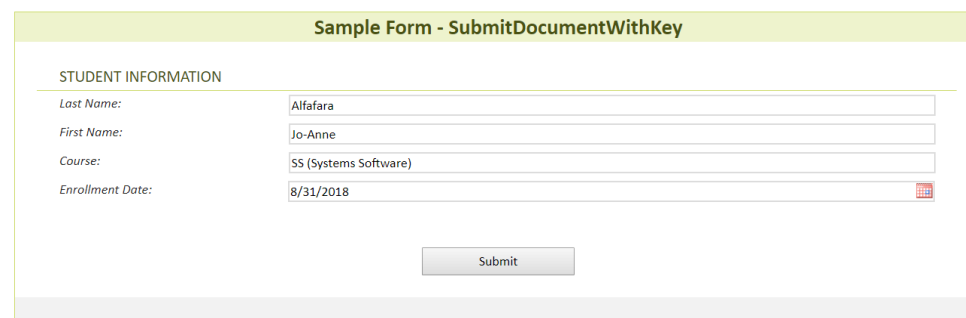
0.2 MB
SampleForm..
Remove

Form Group: Jo-Anne
☐ New Group

Update Download Delete this Template

Test your form

- Open your form in FormsViewer.
- Fill out the form and submit.



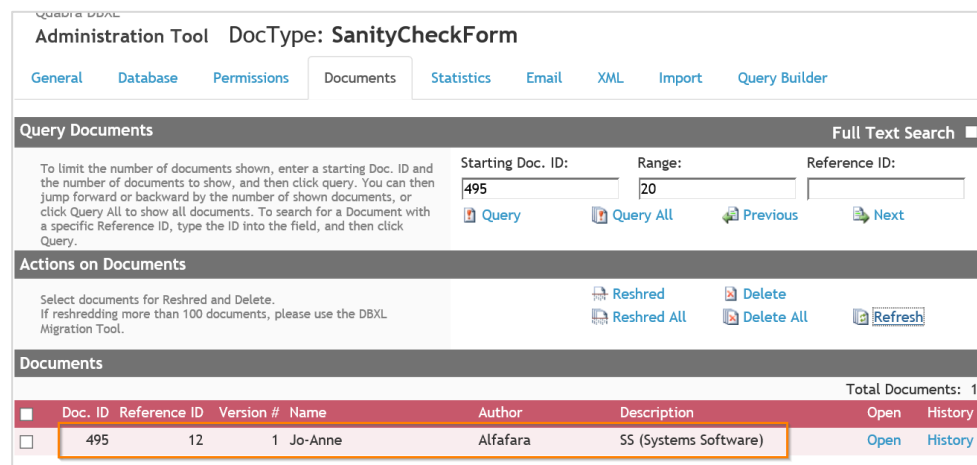
Sample Form - SubmitDocumentWithKey

STUDENT INFORMATION

Last Name: Alfafara
First Name: Jo-Anne
Course: SS (Systems Software)
Enrollment Date: 8/31/2018

Submit

- Go to the **Documents** tab in DAT and verify that your document is submitted:



Administration Tool DocType: **SanityCheckForm**

General Database Permissions Documents Statistics Email XML Import Query Builder

Query Documents Full Text Search

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 Reference ID, type the ID into the field, and then click Query.

Starting Doc. ID: 495 Range: 20 Reference ID:

Query Query All Previous Next

Actions on Documents

Select documents for Reshred and Delete. If reshredding more than 100 documents, please use the DBXL Migration Tool.

Reshred Delete Reshred All Delete All Refresh

Documents

	Doc. ID	Reference ID	Version #	Name	Author	Description	Open	History
☐	495	12	1	Jo-Anne	Alfafara	SS (Systems Software)	Open	History

Total Documents: 1

SUPPORT

If you have encountered issues while installing DBXL, please contact Qdabra at support@qdabra.com.

You can also try out the Getting Started document, which is linked from DBXL's default.htm page.

For any other questions not covered in this document, please contact Qdabra Software.

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