



Submit Files and Images to SharePoint using DBXL

The goal of this document is to illustrate how DBXL can be used to submit files or images to a SharePoint Document Library using DBXL v2.8.

This document is only applicable to the Integrated scenario. For more information on the various scenarios, please refer to the DBXL v2.8 Deployment Guide and the DBXL v2.8 Getting Started tutorial.

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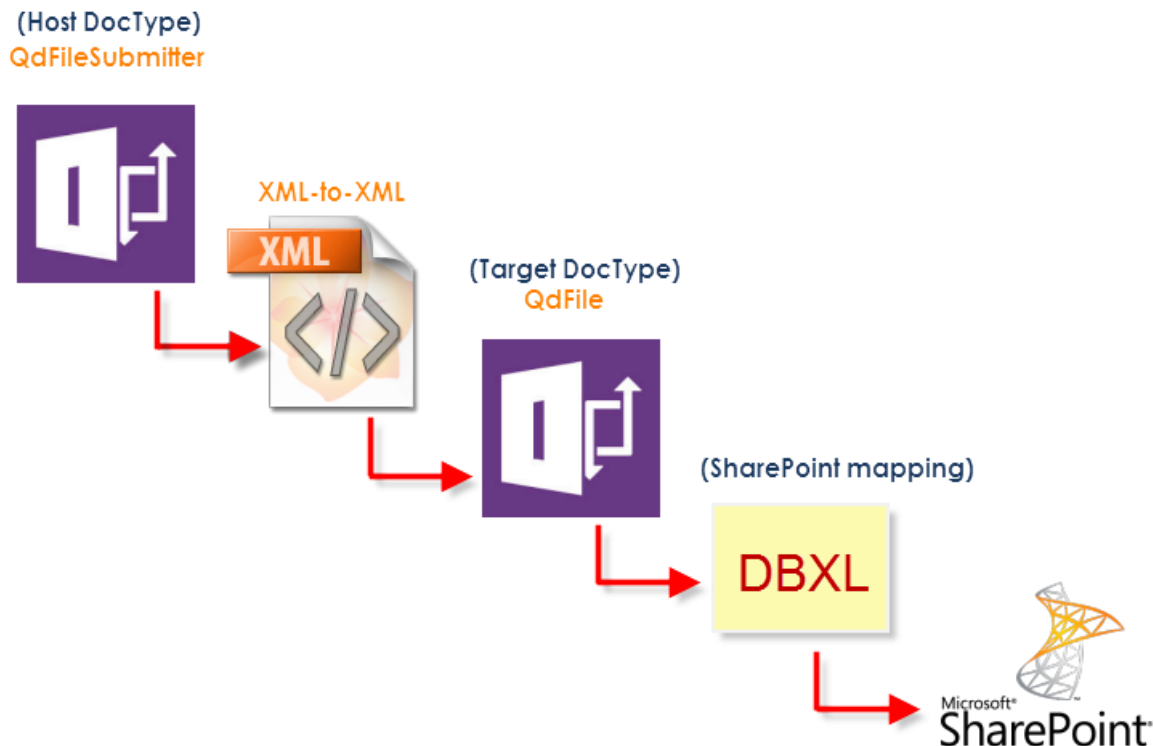


INTRODUCTION

Submitting a file or image requires the host doctype (your form) be mapped to either QdFile or QdImageFile; both of these document types ship with DBXL. The document type depends on the file type as described in the table below.

Document Type	File Type
QdFile	Used when mapping files attached to InfoPath using File Attachment control
QdImageFile	Used when mapping picture files attached to InfoPath using File Attachment or Picture control

Mapping your form to these document types requires the use of a DBXL method called XML-to-XML, which allows submitting of XML fragments from a 'host' form to a 'target' form. You can learn more about XML-to-XML from this [link](#).



Once the XML-to-XML mapping is set, the QdFile or QdImageFile document type is mapped to SharePoint. In the mapping view, you can create a mapping to a Picture or Document library. DBXL assumes that the document library or picture library is already created in SharePoint. In the example below, the QdFile document type is mapped to a document library called Shared Documents.



DATABASE ACCELERATOR Administration Tool



Document Type: QdFile

 Save
  Save As...
  Catalog
 

General
Database
Permissions
SharePoint
Documents
Taxonomy Tree

SharePoint List or Library (i.e. Collection)

Specify SharePoint lists and/or libraries that you would like to integrate with this doctype. By integrating, you can enable SharePoint features such as Workflow and Form Server for your database documents. After the user clicks submit from InfoPath or browser (browser based forms), the Qdabra Web Service will try to copy the document to the SharePoint sites in the order specified below.

URL	Method
http://shp2010-test2/Shared%20Documents	Object Model

Expression	Operator
 Insert Expression ☒ Document Library ☐ Picture Library ☐ Propagate Deletes ☐ Asynch ☐ Content Type	

 Insert Mapping

This tutorial comes with two sample XSN form templates:

- QdFileSubmitter
- QdImageFileSubmitter

These forms are already configured with File Attachment/Picture controls and they're also using the required data source for XML-to-XML. Grab the files from this package and start by following the tutorial below.

If submitting files – follow the section “**Submit Files to SharePoint**”

If submitting pictures – follow the section “**Submit Images to SharePoint**”

SAMPLE FORMS

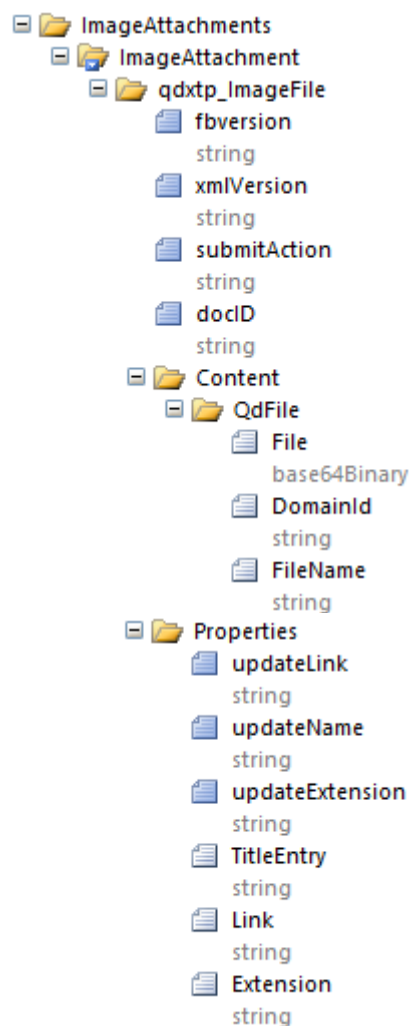
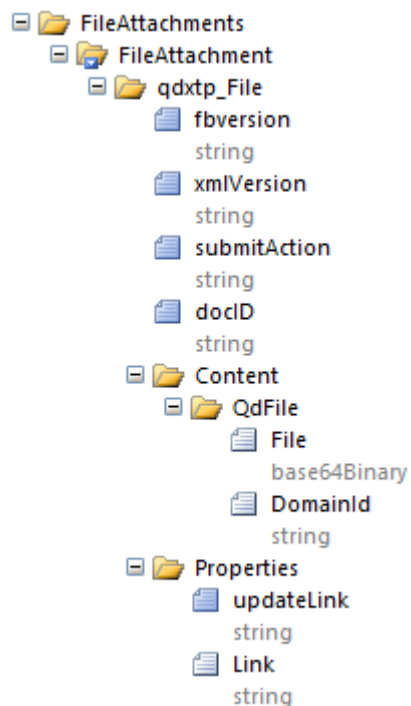
This tutorial uses the sample forms included in the package you have downloaded. If you wish to add this functionality to your own forms, simply add the following data structure:



<http://www.qdabra.com>

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For Images:**For Files:**

You will also need to add a rule that sets the value of the submitAction node when an image or a file is attached:



Rules

File



Set submitAction

New

Details for:

Set submitAction

Condition:

None - Rule runs when field changes

Rule type:

Action

Run these actions:*

Add

Set a field's value: @submitAction = "create"

Rule Details

Action:

Set a field's value

Field:

@submitAction

Value:

create

<http://www.qdabra.com>

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SUBMIT FILES TO SHAREPOINT

Locate the QdFileSubmitter.xsn from this package's folder and open in design mode. Take time to examine the form's controls and data source to get familiar with it. When ready, proceed to the steps below.

ADD THE FORM AS A DOCUMENT TYPE

1. Open the DBXL Administration Tool (DAT) by going to <http://<your-server-name>/QdabraWebService/default.htm> and clicking on the first link on the page.
2. Click **New Configuration**.
3. Attach the QdFileSubmitter.xsn form template and provide a name, such as "QdFileSubmitter".

The screenshot shows the 'Database Accelerator Administration Tool' interface. The 'Document Type: QdFileSubmitter' is selected. The 'General' tab is active, displaying 'Document Type Details' and 'InfoPath Form Template' sections.

Document Type Details	
Name	QdFileSubmitter
Description	
Last Modified By	AUTONOMYSYSTEMS\jo-anne

InfoPath Form Template	
XSN File	Form Template Properties
QdFileSubmitter.xsn Microsoft InfoPath Form Template 8.84 KB Open	Form Version: 1.0.0.14 Last Modified: 6/20/2013 2 ☐ Form template is signed ☐ URN-based solution

4. Click **Save**, and then click **OK** in the confirmation dialog.

CREATE THE XML-TO-XML MAPPING

5. Go back to the Catalog view.



6. Under System Document Types, find the **QdSubDocumentMapping** document type and click **Edit**.

System Document Types			
Name	Descriptions	Docs	Edit
DAT		0	
QdAttachment		0	
QdCategory		0	
QdDocumentIndexFields		27	
QdDocumentType		28	
QdDocumentTypePermissions		27	
QdDocumentTypeProperties		27	
QdDomain		0	
QdEmailFlow		0	
QdFile		3	
QdHierarchy		0	
QdImage		0	
QdMapping		27	
QdNodeNamespaces		27	
QdNotification		0	
QdRatings		0	
QdRefIdInfo		34	
QdSharePointListMaps		29	
QdStandaloneDashboard		0	
QdStandaloneLog		0	
QdSubDocumentMapping		2	
QdTags		0	
QdUser		0	
QueryBuilder		0	

7. In the General tab, click **Open**.
 8. The mapping form will open.
 9. Enter File for the Mapping Name.
 10. Select the QdFile as the Target Document Type.
 11. Leave other settings and click Save.



Sub Document Mapping

Mapping Name

Please specify a name for your mapping. This mapping will be applied any time a node with the name **qdxtp_mappingName** is located in a submitted document.

File

Target Document Type

Please select the document type to which the mapped documents should be submitted.

QdFile

Namespace

Below are the namespace URI and prefix of the document type to which mapped documents will be submitted.

These should be typically populated automatically when you select a Target Document Type and should usually not be modified.

Target namespace URI

http://schemas.microsoft.com/office/infopath/2003/myXSD/2008-08-21T22:28:06

Prefix

my

Host Field Mappings

Please enter the XPath of any locations in the mapped documents to which you will map metadata values from the host document.

For example, to have the host document's DocId injected into the **/my:myFields/my:HostDocId** field of the child documents, enter **/my:myFields/my:HostDocId** for the Field Path, and select DocId for the token. The Field Path is case sensitive.

	Field Path	Token
☒ Insert item		

Document Metadata Mappings

Please enter the XPath of fields in the child documents that you would like to use as the documents' **Title** **Author** or **Description** metadata values. The XPath should correspond to the XML and fields of the child documents, **not** the host document.

Title	
Author	
Description	

Save

Form Version: 1.0.0.34

CREATE THE SHAREPOINT MAPPING

- Return to the DAT Catalog, find the QdFile under System Document Type and click **Edit**.



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System Document Types			
Name	Descriptions ◀	Docs	Edit
DAT		0	
QdAttachment		0	
QdCategory		0	
QdDocumentIndexFields		27	
QdDocumentType		28	
QdDocumentTypePermissions		27	
QdDocumentTypeProperties		27	
QdDomain		0	
QdEmailFlow		0	
QdFile		3	
QdHierarchy		0	

13. Go to the SharePoint tab.
14. Enter the URL of your document library and then select the appropriate option (Document library –submitting files to a document library)

DATABASE ACCELERATOR
Administration Tool


Document Type: QdFile

Save
 Save As...
 Catalog

General
Database
Permissions
SharePoint
Documents
Taxonomy Tree

SharePoint List or Library (i.e. Collection)
 Specify SharePoint lists and/or libraries that you would like to integrate with this doctype. By integrating, you can enable SharePoint features such as Workflow and Form Server for your database documents. After the user clicks submit from InfoPath or browser (browser based forms), the Qdabra Web Service will try to copy the document to the SharePoint sites in the order specified below.

URL	Method
http://shp2010-test2/Shared%20Documents	Object Model

Expression	Operator
Insert Expression	

☒ Document Library
 ☐ Picture Library
 ☐ Propagate Deletes
 ☐ Asynch
 ☐ Content Type

☒ Insert Mapping

15. Leave **Object Model** selected for Method.
16. Click **Save** button.



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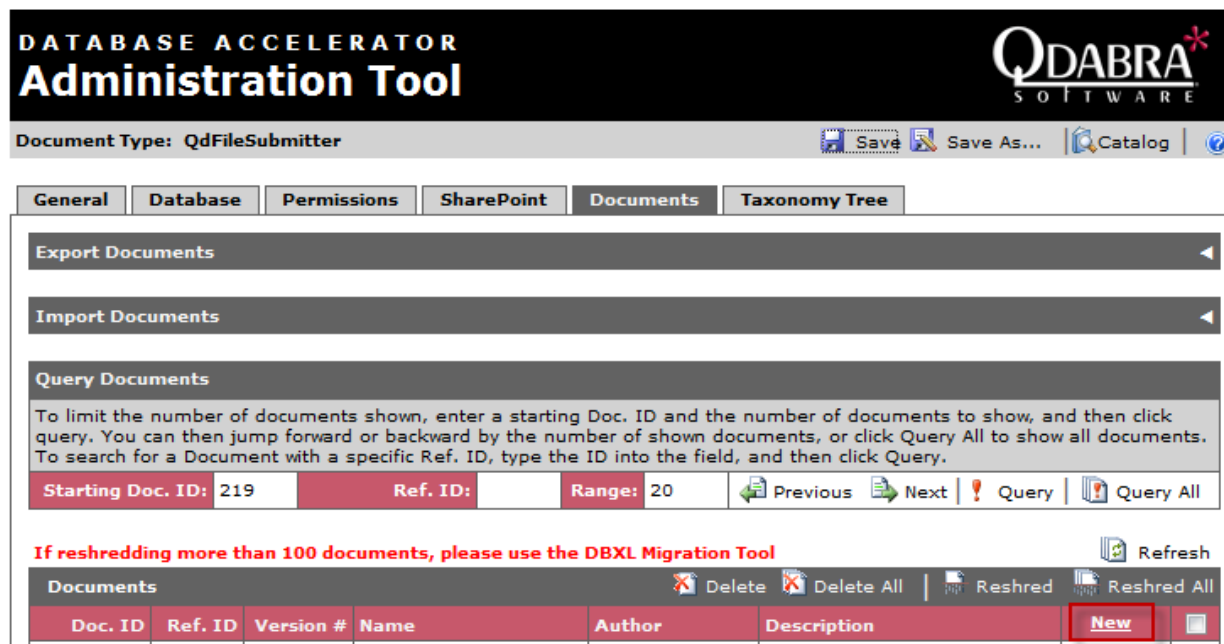
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TEST THE FORM

17. Open the host form, in this case it should be the **QdFileSubmitter** doctype.

QdImageSubmitter	1.0.0.11	<u>1</u>			
QdFileSubmitter	1.0.0.14	<u>3</u>			

18. In the Documents tab, click **New** to open a blank form.



DATABASE ACCELERATOR Administration Tool QDABRA SOFTWARE

Document Type: QdFileSubmitter 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: 219 Ref. ID: Range: 20 Previous Next ! Query Query All

If reshredding more than 100 documents, please use the DBXL Migration Tool Refresh

Documents Delete Delete All Reshred Reshred All

Doc. ID	Ref. ID	Version #	Name	Author	Description	New

Note: You can also open a blank form by directly opening from the catalog view.

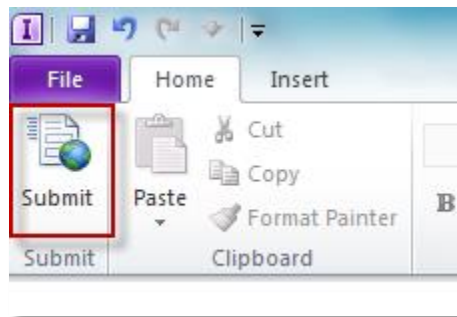
QdImageSubmitter	1.0.0.11	<u>1</u>			
QdFileSubmitter	1.0.0.14	<u>3</u>			

19. Attach a document.

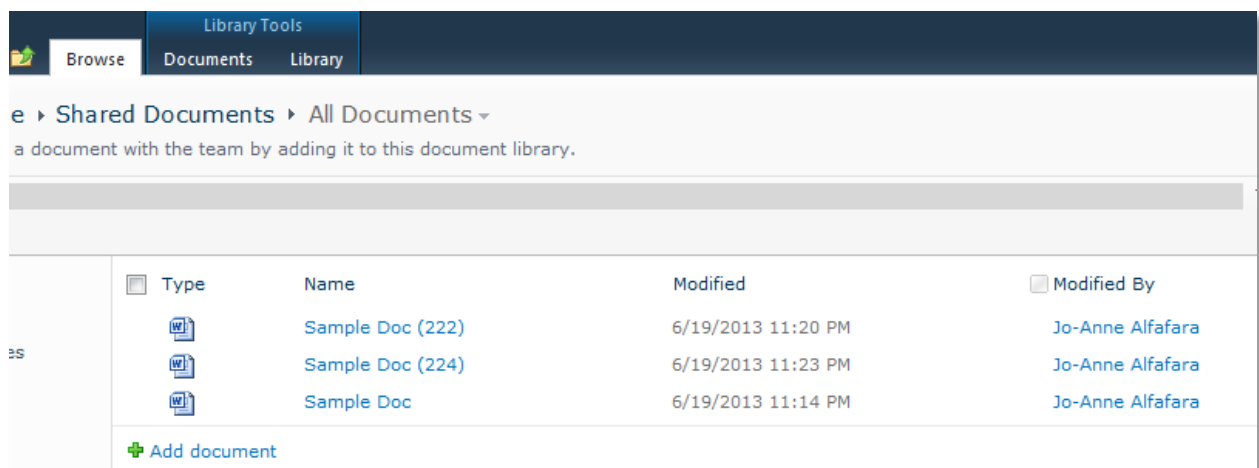




20. Click Submit.



21. Verify that your document is submitted in the document library you specified in the SharePoint mapping.



SUBMIT IMAGES TO SHAREPOINT

Locate the QdImageFileSubmitter.xsn from this package's folder and open in design mode. Take time to examine the form's controls and data source to get familiar with it. When ready, proceed to the steps below.

ADD THE QDIMAGEFILE DOCUMENT TYPE

1. Open the DBXL Administration Tool (DAT) by going to <http://<your-server-name>/QdabraWebService/default.htm> and clicking on the first link on the page.
2. Click **New Configuration**.
3. Attach the QdImageFile.xsn form template and provide the name, "QdImageFile".
4. Click **Save**, and then click **OK** in the confirmation dialog.

ADD THE FORM AS A DOCUMENT TYPE

5. Click **New Configuration**.
6. Attach the QdFileSubmitter.xsn form template and provide a name, such as "QdImageSubmitter".



DATABASE ACCELERATOR Administration Tool

Document Type: QdImageSubmitter

General Database Permissions SharePoint Documents Taxonomy

Document Type Details

Name	QdImageSubmitter
Description	
Last Modified By	AUTONOMYSYSTEMS\jo-anne

InfoPath Form Template

XSN File	Form Template Properties
 QdImageFileSubmitter.xsn Microsoft InfoPath Form Template 8.91 KB Open	Form Version: 1.0.0.11 Last Modified: 6/20/2013 3:5 ☐ Form template is signed ☐ URN-based solution

- Click **Save**, and then click **OK** in the confirmation dialog.

CREATE THE XML-TO-XML MAPPING

- Go back to the Catalog view.
- Under System Document Types, find the **QdSubDocumentMapping** document type and click **Edit**.



11. The mapping form will open.
12. Enter **ImageFile** for the Mapping Name.
13. Select the **QdImageFile** as the Target Document Type.
14. Under **Document Metadata Mappings**, enter /my:QdFile/my:FileName for the **Title** field.
15. Leave other settings and click Save.

Sub Document Mapping

Mapping Name
Please specify a name for your mapping. This mapping will be applied any time a node with the name `qdxtp_mappingName` is located in a submitted document.

ImageFile

Target Document Type
Please select the document type to which the mapped documents should be submitted.

QdImageFile

Namespace
Below are the namespace URI and prefix of the document type to which mapped documents will be submitted.
These should be typically populated automatically when you select a Target Document Type and should usually not be modified.

Target namespace URI: Prefix:

Host Field Mappings
Please enter the XPath of any locations in the mapped documents to which you will map metadata values from the host document.
For example, to have the host document's DocId injected into the `/my:myFields/my:HostDocId` field of the child documents, enter `/my:myFields/my:HostDocId` for the Field Path, and select DocId for the token. The Field Path is case sensitive.

	Field Path	Token
☒ Insert item		

Document Metadata Mappings
Please enter the XPath of fields in the child documents that you would like to use as the documents' **Title** **Author** or **Description** metadata values. The XPaths should correspond to the XML and fields of the child documents, **not** the host document.

Title	/my:QdFile/my:FileName
Author	
Description	

Form Version: 1.0.0.34

CREATE THE SHAREPOINT MAPPING

16. Find the **QdImageFile** under **System Document Type** and click **Edit**.
17. Go to the SharePoint tab.
18. Enter the URL of your document library or picture library and then select the **Picture Library** option.



DATABASE ACCELERATOR Administration Tool **QDABRA** SOFTWARE

Document Type: QdImageFile Save Save As... Catalog ?

General Database Permissions SharePoint Documents Taxonomy Tree

SharePoint List or Library (i.e. Collection)

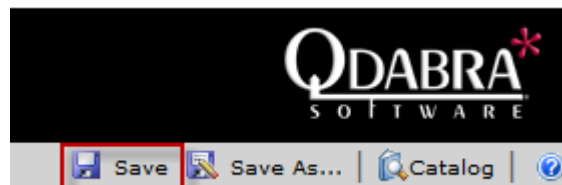
Specify SharePoint lists and/or libraries that you would like to integrate with this doctype. By integrating, you can enable SharePoint features such as Workflow and Form Server for your database documents. After the user clicks submit from InfoPath or browser (browser based forms), the Qdabra Web Service will try to copy the document to the SharePoint sites in the order specified below.

URL	Method
http://shp2010-test2/JimmysPictures	Object Model

Expression Operator

☐ Document Library ☒ Picture Library ☐ Propagate Deletes ☐ Async ☐ Content Type

19. If DBXL is installed in the same server as SharePoint, leave **Object Model** selected for Method. Otherwise, select Web Service.
20. Click **Save** button.



TEST THE FORM

21. Open the host form, in this case it should be the **QdImageSubmitter** doctype.

QdImageSubmitter	1.0.0.11	1			
QdFileSubmitter	1.0.0.14	3			

22. In the Documents tab, click **New** to open a blank form.



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DATABASE ACCELERATOR Administration Tool

Document Type: QdImageSubmitter

Save
 Save As...
 Catalog

General
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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:
 Ref. ID:
 Range:

Previous
 Next
 Query
 Query All

Documents

Delete
 Delete All
 Reshed
 Reshed All
 Refresh

Doc. ID	Ref. ID	Version #	Name	Author	Description	
254	1	1				New Open

Note: You can also open a blank form by directly opening from the catalog view.

QdImageSubmitter	1.0.0.11	1			
QdFileSubmitter	1.0.0.14	3			

23. Click **Open** when prompted.

24. Attach a picture.



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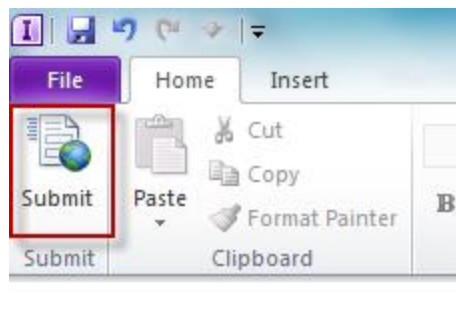
QdImageFile Submitter

▼ Enter a title (optional):
This is a picture

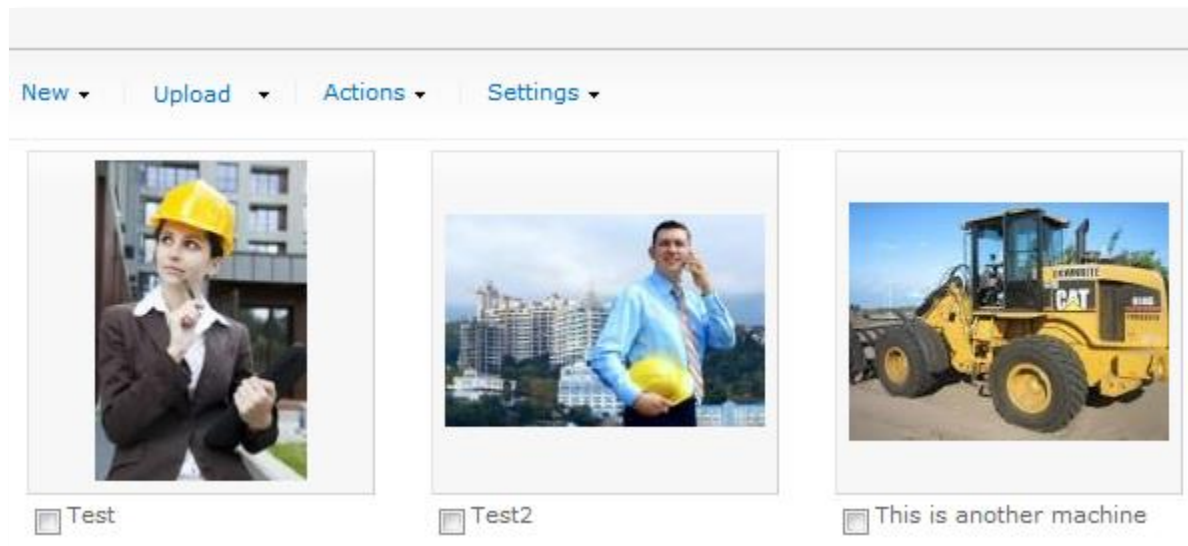


Insert item

25. Click **Submit**.



26. Verify that your document is submitted in the document library you specified in the SharePoint mapping.



SUPPORT

The InfoPathDev.com community has [Product support forums](#) where Qdabra's products can be discussed. This is a good place to contact other users of Qdabra's products. Qdabra's support staff also monitors this forum to identify issues and respond.

If you have questions about the information in this document, please contact us via Support@Qdabra.com for assistance. To learn more about Qdabra support, please visit [our website](#).



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