



Product: Database Accelerator (DBXL) v2.4

Title: Upgrade from DBXL v2.3 to DBXL v2.4

DBXL Document Deployer (also known as the Migration Tool) allows exporting documents and configurations from DBXL V2.3 and importing into DBXL V2.4. The imported configuration (permissions, database mappings, and SharePoint mappings) are retained in DBXL V2.4. Once the migration is complete, the imported xml documents can be edited and resubmitted via the DBXL v2.4 web service.

Below you will find an outline of this document's contents.

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PRE-REQUISITES

For this tutorial you will need to have **DBXL V2.3** and **Document Deployer V2.3** already installed. Please refer to these links to learn more about [DBXL V2.3](#) and [Document Deployer V2.3](#).

This tutorial assumes that you already have a Document Type (which could have database mapping, permissions, and/or SharePoint mapping) with documents already submitted.

You will also need the installer files for DBXL v2.4 and [Document Deployer v2.4](#).



UPGRADE A SERVER

Here are the steps that illustrate how to export data from DBXL V2.3 using Document Deployer V2.3 and Import into DBXL V2.4 using Document Deployer V2.4. These steps assume that you are upgrading your current DBXL v2.3 server and keeping the SharePoint and SQL mappings intact.

EXPORT

1. Open Document Deployer V2.3 UI from **Start > Programs > Qdabra > Tools > DBXL Migraton Tool > DBXL Migration Tool (UI)**.

DBXL Migration Tool

DATABASE ACCELERATOR
Deployment Tool

QDABRA
SOFTWARE

This tool allows you to quickly export and import a document configuration and documents.

DBXL Server Root [Text Field] [Connect]

[e.g. http://servername/QdabraWebService]

Export | Import | Other Operations | Custom | Settings

Export

Configuration [Text Field]

Items to export:

☐ Documents

☐ Configuration (Permissions, Database Mapping)

☐ Taxonomy

☐ Workflow (qForm only)

Export path [Text Field] [Select]

[Run] [Clear Log]

[Text Area]



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- In the Export tab, enter the DBXL server root (<http://<servername>/qdabrawebservice>) where DBXL V2.3 is installed.

DBXL Server Root

(e.g. http://servername/QdabraWebService)

- Click the **Connect** button to load a list of document types into the **Configuration** dropdown.
- Select the document type you wish to migration from **Configuration** dropdown.
- From the **Items to export**, click on the **Documents** and **Configuration** checkboxes.

Configuration

Items to export:

☒ Documents

☒ Configuration (Permissions, Database Mapping)

☐ Taxonomy

QdHierarchy

QdNotification

QdRatings

QdTags

SubmitTestForm

SubmitTemplate

QdCatalogBase_Test

Template

- Click on the **Select** button and navigate to your local drive. Select a folder or enter a local export path.
- Click on **Run**.

The mapping file is exported to **<ExportPath>\<Document type name>** (this tutorial uses 'C:\Documents and Settings\arunaa\Desktop\ExportDocs\Template\'). Additionally, a SampleDocs folder is added in this path.

☒ Configuration (Permissions, Database Mapping)

☐ Taxonomy

☐ Workflow (qForm only)

Export path

2010-04-26 04:26:17 Saved document to 'C:\Documents and Settings\arunaa\Desktop\ExportDocs\Template\SampleDocs\336.xml'

2010-04-26 04:26:17 Downloading document with id = '337'

2010-04-26 04:26:17 Saved document to 'C:\Documents and Settings\arunaa\Desktop\ExportDocs\Template\SampleDocs\337.xml'

- In DAT, click Edit for your Document Type and switch to the Database tab. You'll see a connection string that contains a Database server and an Initial Catalog. Please make a note of these as we'll need them later.



9. Delete the DocType. This ensures that the documents are removed from SharePoint and the database so that when you import them into the new system they don't result in duplicate entries.
 - a. If you have fewer than ~20 documents, you can simply click the **Delete** button for the Document Type in DAT's Catalog.
 - b. If you have more than ~20 documents in your DocType, DAT could timeout. Please use Doc Deployer for deleting DocTypes with large numbers of documents.
 - c. Deleting these documents should remove the documents from the SQL table (if you have SQL mapping) and from the SharePoint form library (if you are using SharePoint mappings). For details on how to accomplish this, please see [this document](#).
10. Make a backup copy of \inetput\wwwroot\QdabraWebService\web.config for future reference in case there are issues in the newly installed DBXL 2.4
11. Uninstall DBXL V2.3 and Document Deployer V2.3 from **Control Panel > Programs > Programs and Features**.

SQL

12. Open SQL Server Management Studio and connect to the server.
 - a. Backup DBXL's system databases (QdabraDBXL and QdabraSamples)
 - b. Delete the **QdabraDBXL** and **QdabraSamples** databases.
 - c. Verify that your target databases (where your Document Types map their data) contain no records. If there delete operation in step 8 was successful, you should find empty tables.
 - d. If you have SharePoint mapping, verify that the Form Library where documents are mapped was also emptied due to the Document Type being deleted.

IMPORT

13. Install [DBXL V2.4](#) and [Document Deployer V2.4](#).
14. Open DBXL Admin Tool (DAT) and click **Configure Licenses**.
15. Attach your DBXL license file with the confirmed email address and click **Add License**.
16. Open Document Deployer V2.4 UI from **Start > Programs > Qdabra > Tools > DBXL Migration Tool > DBXL Migration Tool (UI)**.
17. In the Migration Tool UI, switch to the **Import** tab.
18. Select the **Export path** from step 6.
19. Click on the **Load** button and select the document type from the **Configuration** dropdown.

The screenshot shows the 'Import' tab of the DBXL Migration Tool (UI). It features two main input fields: 'Export path' and 'Configuration'. The 'Export path' field contains the text 'C:\Documents and Settings\arunaa\Desktop\ExportDocs' and has a 'Select' button to its right. The 'Configuration' field is a dropdown menu currently showing 'Template' and has a 'Load' button to its right. Above these fields are tabs for 'Export', 'Import', 'Other Operations', 'Custom', and 'Settings', with 'Import' being the active tab.

20. Select **Documents** and **Configuration** in the **Items to import** section.



Items to import:

- ☒ Documents
- ☒ Configuration (Permissions, Database Mapping)
- ☐ Taxonomy
- ☐ Workflow (qForm only)

21. Because the **Database server** and **Initial Catalog** have not changed, these should retain the same value as previously. These are the values we noted in step 8.

22. Click on **Run**.

You will see the configuration and the documents imported in DBXL. If you have SQL mapping defined, you can verify that the documents were added to the SQL table(s). Also, if you have SharePoint mapping setup then the documents are published on SharePoint.



MIGRATE TO A NEW SERVER

If you are migrating from one server to another (instead of upgrading on the same server) the import could fail for two reasons:

- The new server cannot use the same SharePoint mapping, since this would create a mapping from DAT in the new server to SharePoint on the old server.
- DBXL in the new server cannot map to the SQL instance in the old server.

In this scenario, the steps in the previous section will suffer slight variations. Therefore, we provide the condensed step by step instructions below.

EXPORT

1. Open Document Deployer V2.3 UI from **Start > Programs > Qdabra > Tools > DBXL Migraton Tool > DBXL Migration Tool (UI)**.
2. In the Export tab, enter the DBXL server root (<http://<server1>/qdabrawebservice>) where DBXL V2.3 is installed.
3. Click the **Connect** button to load a list of document types into the **Configuration** dropdown.
4. Select the document type you wish to migration from **Configuration** dropdown.
5. From the **Items to export**, click on the **Documents** and **Configuration** checkboxes.
6. Click on the **Select** button and navigate to your local drive. Select a folder or enter a local export path.
7. Click on **Run**.
8. Make a backup copy of \inetput\wwwroot\QdabraWebService\web.config for future reference in case there are issues in the newly installed DBXL 2.4
9. Edit the mapping.xml file to remove the SharePoint mapping. To do this,
 - a. Open mapping.xml in Notepad.
 - b. Search for 'SharePointLists'.
 - c. Delete the entire section. An example of the section is seen below.

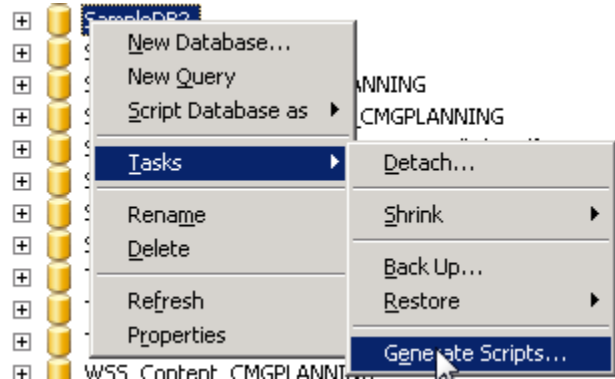
```
<SharePointLists>
  <SharePointListMapInfo>
    <ID>30</ID>
    <SequenceNumber>1</SequenceNumber>
    <SharePointListUrl>http://dbxltest/UpgradeTest</SharePointListUrl>
    <Method>0</Method>
    <Timeframe>0</Timeframe>
    <AuthType>0</AuthType>
    <SSOAppName />
    <Conjunction>1</Conjunction>
    <Conditions />
    <Options VerifyFormLibraryUrl="true" EnsureFormLibrary="true" EnableForIPFS="false"
    EnableDeletePropagation="false" />
  </SharePointListMapInfo>
</SharePointLists>
```



- d. Save mapping.xml.

SQL

10. Open SQL Server Management Studio and generate scripts for your database. You can do this easily by right clicking on the desired database and selecting **Tasks > Generate Scripts**. The wizard will allow you to create scripts that you can then use, in the new SQL instance, to create the databases with their tables.



11. Verify SQL permissions. You must ensure that DBXL has permissions to read and write to this new SQL database. You may refer to the database where DBXL v2.3 mapped its data, and simply replicate similar permissions.

IMPORT

12. Install [DBXL V2.4](#) and [Document Deployer V2.4](#) on the new server (server2).
13. Open DBXL Admin Tool (DAT) on <http://<server2>/QdabraWebService> and click **Configure Licenses**.
14. Attach your DBXL license file with the confirmed email address and click **Add License**.
15. Open Document Deployer V2.4 UI from **Start > Programs > Qdabra > Tools > DBXL Migraton Tool > DBXL Migration Tool (UI)**.
16. In the Migration Tool UI, switch to the **Import** tab.
17. Enter the DBXL Server Root for import and click **Connect**.
18. Select the **Export path** for the location where you had previously exported.
19. Click on the **Load** button and select the document type from the **Configuration** dropdown.
20. Select **Documents** and **Configuration** in the **Items to import** section.
21. For **Database server** and **Initial Catalog** enter the SQL instance and database where the document type will be mapped. The Migration tool will fix up the data connection string (e.g. **Data Source=<server>;Initial Catalog=<database>;Integrated Security=True**).
22. Click on **Run**.
23. Open DAT and **Edit** the newly imported Document Type.
24. Go to the SharePoint tab and enter the desired SharePoint mapping. Click **Save** in DAT.
25. Return to the Migration Tool UI and switch to the **Other Operations** tab.
26. Select **Reshred all documents**.



27. Select the desired document type from the **Configuration** dropdown.
28. Click **Run**.

Now the documents in your document type have been re-shredded into SharePoint, and your migration is complete.



FORM TEMPLATES OUTSIDE OF DAT

If you have forms that call on a DBXL web service (e.g. QueryDB, QuerySharePoint) but are not attached to DAT, the Migration Tool is not necessary.

If you are upgrading the same server from DBXL v2.3 to DBXL v2.4, the forms should continue to work seamlessly.

If you are migrating the form templates from a DBXL v2.3 machine to a DBXL v2.4 machine, the forms will need to be updated.

1. Extract the XSN's contents
 - a. In InfoPath 2007, use **File > Save As Source**.
 - b. In InfoPath 2010, use **File > Publish > Export Source Files**.
2. Open the manifest file in an editor such as Notepad.
3. Locate the section called xsf:dataObjects.
4. Within that section you'll find one subsection for data connections. For example:

```
<xsf:dataObject name="GetMyInfo" schema="GetMyInfo2.xsd" initOnLoad="no">
  <xsf:query>
    <xsf:webServiceAdapter wsdlUrl="http://dbxl-
test3/QdabraWebService/ADUserInfo.aspx?WSDL" queryAllowed="yes"
submitAllowed="no" name="GetMyInfo">
      <xsf:operation name="GetMyInfo"
soapAction="http://qdabra.com/webservices/GetMyInfo" serviceUrl="http://dbxl-
test3/QdabraWebService/ADUserInfo.aspx">
        <xsf:input source="GetMyInfo1.xml"></xsf:input>
      </xsf:operation>
    </xsf:webServiceAdapter>
  </xsf:query>
</xsf:dataObject>
```

5. For every dataObject, change the Url from <http://dbxl-test3/qdabrawebservice> (in this example) to the new URL.
6. Save and close the manifest.
7. Right click on manifest and select **Design**. This will open the form template in InfoPath's design mode.
8. You can now save the form template and republish it, if necessary.



SUPPORT

If your document type contains **Taxonomy**, **Workflow** or **qForm**, please contact Qdabra for additional assistance. This migration is supported by the tool but we can provide further guidance.

If your document types have a DocID dependency among themselves (that is, one form may refer to another via its DocID) then please contact Qdabra for additional assistance. This scenario will require creating a custom ID mapping script which is used in addition to the steps detailed in this document.

If you encounter issues with your DBXL v2.4 installation, the Release Notes document provides a list of common issues, solutions and workarounds.

If you have questions about the information in this document, please contact us for assistance. Licensed customers contact us via Support@Qdabra.com. Alternatively, please use the InfoPathDev.com [Qdabra Product support forums](#) to request help.



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