

MODULE 7: ADMIN HINTS AND TRICKS

This module contains a few tips and tricks useful for any DBXL Administrator. Here are this module's contents:

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PART A: SET UP EMAIL NOTIFICATIONS

When errors occur in DBXL, information is recorded in the Event Viewer of the server where DBXL is installed. What are the benefits of doing this?

- Receive email notifications when DBXL errors occur on the server
- Eliminates the need for an admin to monitor event viewer
- Learn of potential issues as soon as they happen

The steps in this document will allow the administrator to receive an email notification any time that an error is recorded in the Qdabra logs.

1. Open Notepad and paste the text below.

```
Set oMessage = CreateObject("CDO.Message")
oMessage.Subject = "Errors have been logged in Qdabra eventlog"
oMessage.From = "someone@yourcompany.com"
oMessage.To = "admin@yourcompany.com"
oMessage.TextBody = "Errors have been logged in the Qdabra eventlog"

' Send using a specific smtp host unless you have a predefined configuration
With oMessage.Configuration.Fields

    ' Send using Port = 25
    .Item("http://schemas.microsoft.com/cdo/configuration/sendusing") = 2

    'Name or IP of Remote SMTP Server
    .Item("http://schemas.microsoft.com/cdo/configuration/smtpserver") =
"smtphost.yourcompany.com"

    'Server port (typically 25)
    .Item("http://schemas.microsoft.com/cdo/configuration/smtpserverport") = 25

    .Update

End With

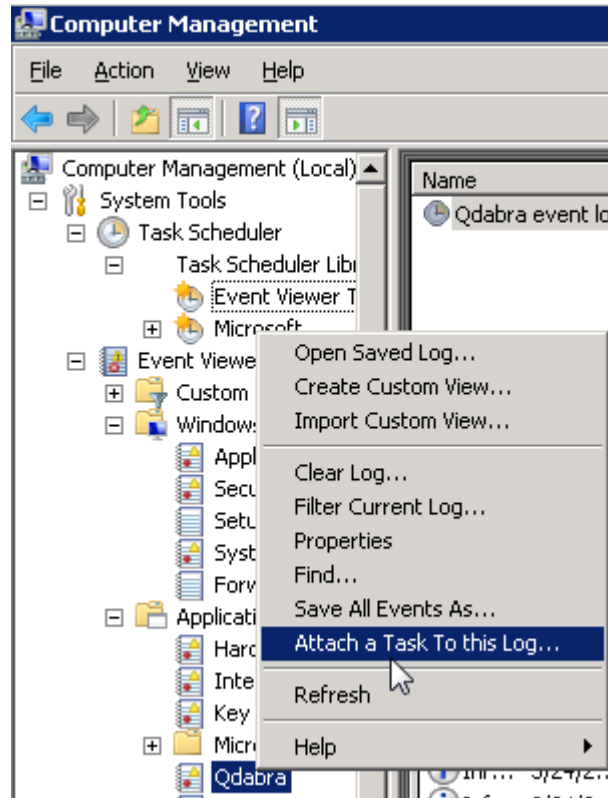
oMessage.Send

' Create an eventlog trigger that will execute this vbscript
'
' eventtriggers /Create /TR "Qdabra Error Notification" /TK
C:\Notifications\SendErrorEmail.vbs /D "Send an email for any DBXL errors" /L Qdabra /T
ERROR /RU ""
```

2. Make any necessary modifications. You should update the **SMTP** server, the **from** email and the **to** email.
3. Save the file, naming it SendErrorEmail.vbs (without a *.txt extension). Make sure to save the file SendErrorEmail.vbs to C:\Notifications\ on the server where DBXL is installed.

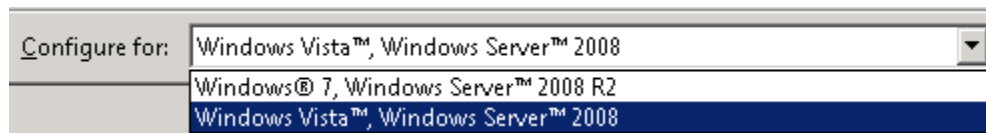
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4. Open **Computer Management** and navigate to the Event Viewer.
5. Navigate to and select the Qdabra event log.
6. Right-click on the log and select **Attach Task to This Log**.

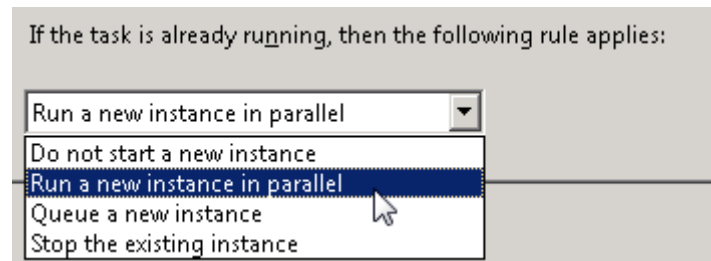


7. In the **Create Basic Task** wizard, type a name and description, then click **Next**.
8. In the **When a Specific Event is Logged** screen click **Next**.
9. In the **Action** window select **Start a program** and click **Next**.
10. Click **Browse**, select C:\Notifications\SendErrorEmail.vbs and click **Next**.
11. Check **Open the Properties dialog for this task when I click Finish**, and click **Finish**.
12. Under **Security options**, click **Change User or Group**.
13. Type in **SYSTEM**, click **Check Names** and click **OK**.

14. In the **Configure for** dropdown, select the correct option.

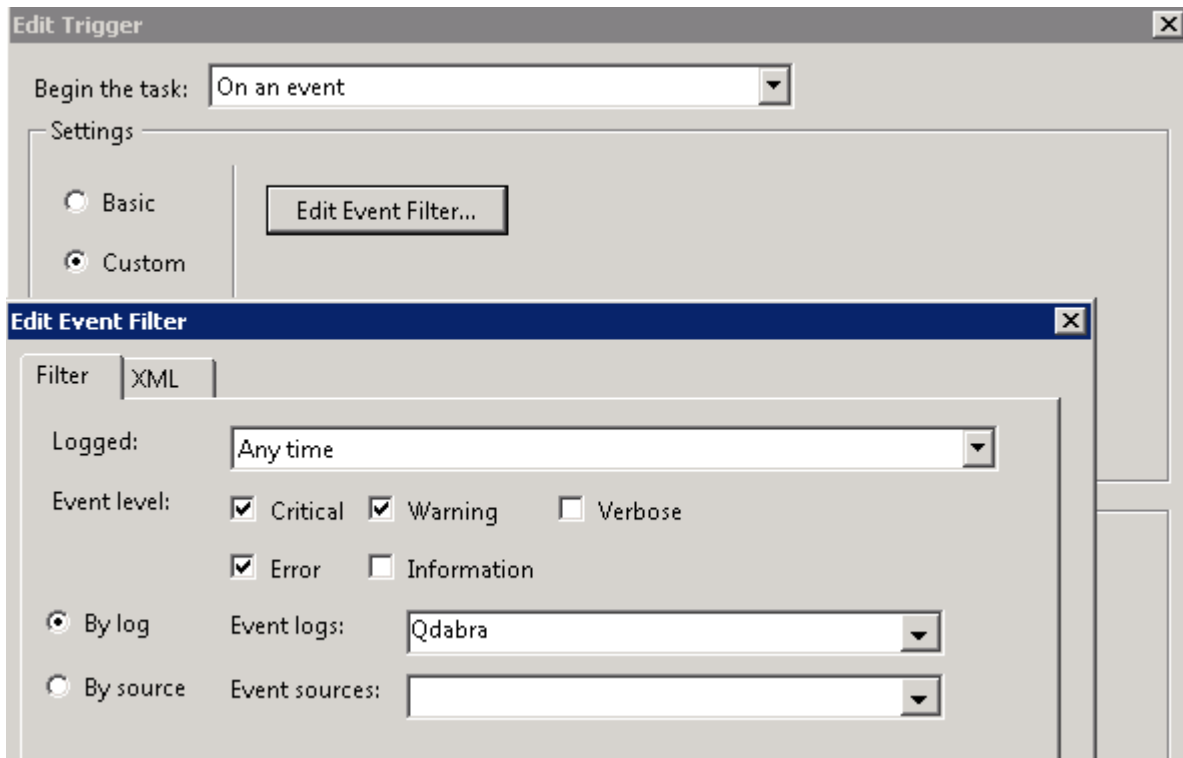


15. In the **Settings** tab, select



16. Click **OK**.
17. In the **Triggers** tab, add a custom trigger such that emails are only sent when a specific Event Level is recorded. In the screenshot below we have selected Critical, Error and Warning. These are the recommended settings.

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Now, every time there is an error recorded in the event viewer, the email specified in the vbs file will receive an email.

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Qdabra Number of events: 1,242

Level	Date and Time	Source	Event ID	Task C...
Error	6/13/2012 2:53:50 PM	Database Accelerator	0	None
Error	6/13/2012 2:45:52 PM	Database Accelerator	0	None
Error	6/13/2012 2:39:36 PM	Database Accelerator	0	None
Information	6/13/2012 2:38:41 PM	Database Accelerator	0	None
Information	6/13/2012 2:38:38 PM	Database Accelerator	2	None
Information	6/13/2012 2:38:37 PM	Database Accelerator	8	None
Information	6/13/2012 2:38:36 PM	Database Accelerator	1	None
Information	6/12/2012 7:32:28 PM	Database Accelerator	4	None
Information	6/12/2012 6:42:18 PM	Database Accelerator	0	None

Event 0, Database Accelerator

General Details

An error occurred while setting up a SharePoint collection mapping with the administrative error details have been logged.

SharePoint URL:
<http://fail!>

Exception:
 System.Net.WebException: The remote name could not be resolved: '_vti_bin'
 at System.Net.HttpWebRequest.GetRequestStream(TransportContext& context)
 at System.Net.HttpWebRequest.GetRequestStream()

Log Name: Qdabra
 Source: Database Accelerator
 Logged: 6/13/2012 2:53:50 PM

This serves as a notification telling the recipient to check the event viewer logs and address the error(s).

Errors have been logged in Qdabra eventlog

ernesto.machado@qdabra.com

Sent: Wed 6/13/2012 6:54 PM

To: Ernesto Machado

Errors have been logged in the Qdabra eventlog

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In some cases, these event notification emails are treated as junk mails, and therefore appear in the Junk/Spam folder. To remedy this, programs like Microsoft Outlook provides you options to 'whitelist' these messages.

PART B: THE DBXL MIGRATION TOOL

The DBXL Migration Tool allows DBXL Administrators to execute numerous tasks. This module will illustrate the two main tasks that the Migration tool can help with.

Export Documents

For example, let's imagine that you want to create an offline back up of the documents (xml files) stored in one DBXL document type.

1. In **Start Menu > Programs > Qdabra > Tools > Migration Tool**, click on **DBXL Migration Tool UI** to open the tool.
2. Make sure you are in the **Export** tab.
3. Enter the source **DBXL Server Root** where you have created the Document Type. The URL will have the following structure: <http://<servername>/QdabraWebService>
4. Click **Connect**. You might be prompted for credentials, depending on your environment.
5. You'll see a list of Document Types in the **Configuration** dropdown. Select the Document Type from this dropdown.
6. Click the **Documents** checkbox from the **Items to export** section.
7. Enter a local export path, or click on the **Select** button to navigate your local drive and select the folder.
8. Click **Run** to perform the export.

Voilà! All of the documents stored in the chosen document type have been exported.

Reshred a large number of documents

In the *Other Operations* tab, the Migration Tool allows you to reshred all the documents for the chosen document type. If you click Reshred All in DAT you might experience timeouts, so the Migration Tool provides an alternative.

Delete a large number of documents

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When a document type has a large number of documents, this is useful because the DBXL Administration Tool (DAT) may experience timeouts.

1. Open the DBXL Migration Tool
2. Switch to the **Custom** tab.
3. Enter the DBXL Server Root and click **Connect**.
4. Select the **Scenario path** Cleanup.xml and click **Load**.
5. Select **RemoveDocumentsInDocumentType** under the **Scenario runs** section.
6. Under **Scenario variables**, enter the **documentTypeName**.
7. Click **Run**
8. The Migration Tool will proceed to delete the documents one by one. You'll see the tool's progress in the status window at the bottom.
9. Click OK in the dialog box when the tool finishes.

Other Migration Tool uses

- **Migrate a solution:** We already illustrated that the Migration Tool allows you to export documents. The tool also allows you to export an entire document type, including the SQL mapping. You can then use the Import tab in the tool to migrate the document type (including the SQL mapping and documents) to another DBXL instance, on another server.
- **Upgrading:** The Migration Tool is essential when upgrading from DBXL v2.3 to DBXL v2.4. For details please refer to the document [Upgrade from DBXL V2.3 to DBXL V2.4](#).
- **Transform and migrate:** Starting with version 2.4, Qdabra's Migration Tool provides the ability to migrate all of the documents in one document type to a newer document type, and convert those documents from one XML structure to another in the process. With this feature, you can create a new version of your form with a different schema, and then upgrade all of your old forms to this new schema with relatively little time and effort. For more details, [click here](#).

For more on the Migration tool, visit this page:

http://www.infopathdev.com/files/folders/document_deployer/default.aspx

PART C: IMPORT FORMS USING A POWERSHELL SCRIPT

Although you can use the Migration Tool to import forms into your DBXL Document Type, this process does not retain the filename. This is problematic if you need the form name, i.e. DBXL::Name.

To work around this issue, Qdabra Software provides a PowerShell script. The steps below will explain how to use this script.

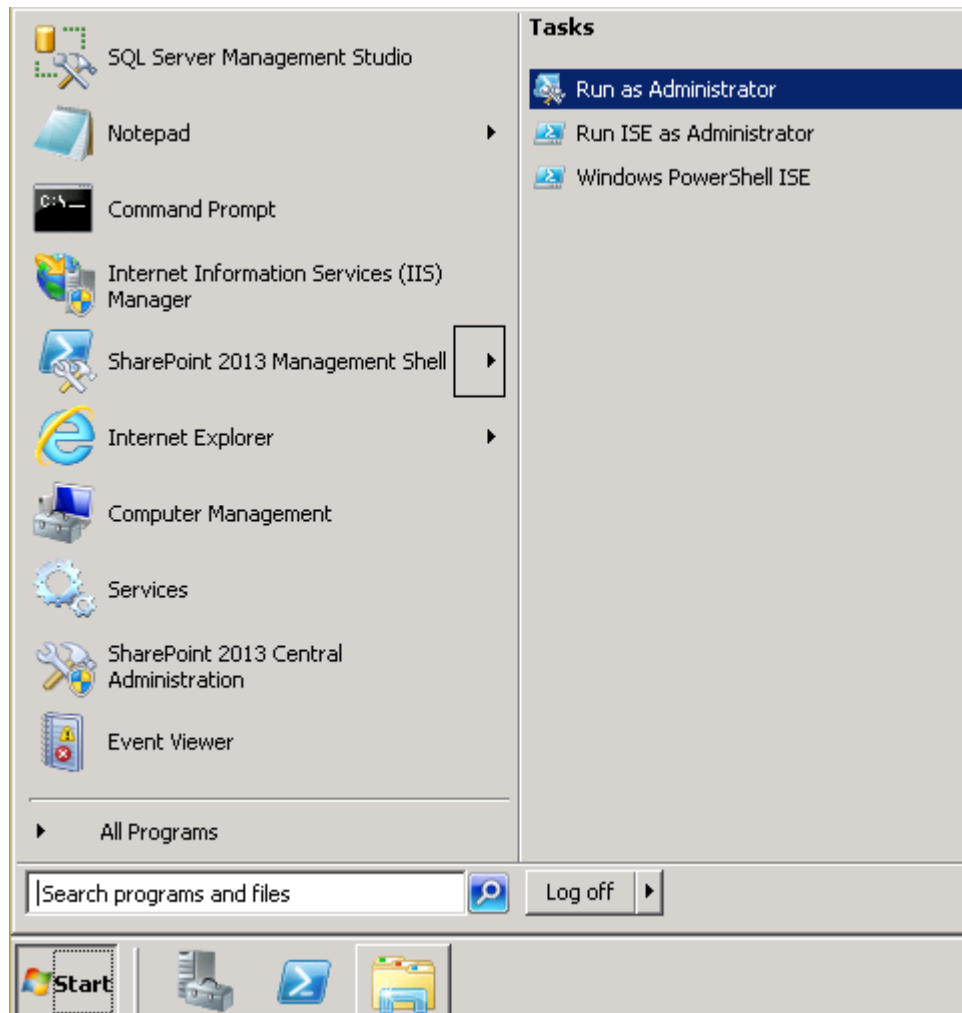
These steps assume that the DBXL Document Type has already been configured.

1. Place the attached script, DbxlImport.ps1, on the server where DBXL is installed.

Although the script could be executed from a different machine, the best performance will be found when executing the script from the same server as DBXL.

2. Create a folder on the server and place the XML forms in that folder.
3. Launch a PowerShell script prompt, using Run As Administrator.

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4. Execute the following command:

```
.\DbxIImport.ps1 -dbxlUrl http://<YOUR-SERVER-URL>/QdabraWebService -docTypeName <YOUR-DOC-TYPE-NAME> -folder <LOCAL-FOLDER-WITH-XML-FORMS>
```

The command contains three parameter, all preceded by a dash:

- dbxlUrl
- docTypeName
- folder

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The script will import all of the forms in the folder, and generate a log file in the same folder as the DbxlImport.ps1 file. An optional parameter for logFile can be provided in the PowerShell command if you wish to place the log file in another location or give it a different name.