



QDABRA QRULES V1.7

Use 'Replace' to restore field values to default (DBXL version)

qRules v1.7 is intended for anyone who would like to leverage the power of Microsoft Office InfoPath without writing code. The library provides a set of advanced commands that can be used declaratively via rules.

In a [previous document](#) we used the Replace command to restore a form to a set of pre-determined, default values. DBXL v2.3 contains a web method that allows you to get **sampledata.xml** from a form template. This **sampledata.xml** holds the defaults values for your form's fields.

Sampledata.xml does not contain calculated defaults or information from secondary data sources. To understand what defaults from your main data source are stored in **sampledata.xml**, save your form as source files and open **sampledata.xml** with a text editor.

This document assumes that you have already installed qRules v1.7 and that you have read the User Guide included in the installation. It also assumes you have installed DBXL v2.3.

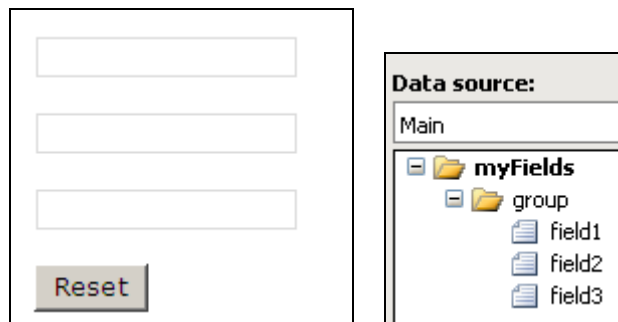
TUTORIAL

1. Create a new form.
 - a. Create a new, blank form in InfoPath.
 - b. Click **File | Save As** and save the form to a location on the same machine where qRules was installed.
 - c. Close InfoPath.
2. Add qRules to your solution:
 - a. Launch the tool by clicking on **Start > Programs > Qdabra > Tools > qRules > qRules Injector**.
 - b. Click on the **Browse** button and select the XSN file saved in step 2.
 - c. Click the **Inject** button and click OK in the confirmation dialog.
 - d. Close the Injector.
3. Design your InfoPath form.
 - a. Open your form in InfoPath Design mode.
 - b. Add a group and name it **group**.



- c. Add three Text Boxes into the view. You'll see that InfoPath will name these field1, field2 and field3 automatically.
- d. Add a button into the view. Double-click on it and change its label to *Reset*. Click **Ok**.

We have kept the form and the view simple:



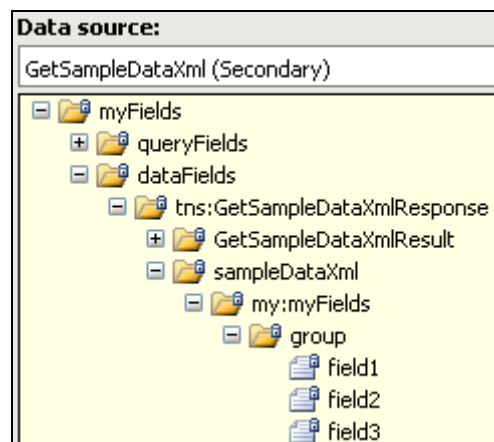
4. Establish default values
 - a. Double click on the first text field.
 - b. Under **Default Value**, enter a default value and click **Ok**.
 - c. Repeat steps a and b for the other two text fields.
5. Create the DBXL document type
 - a. In InfoPath, save the XSN form you have designed so far.
 - b. Open the DBXL Administration tool
(<http://servername/QdabraWebService/Forms/DAT/template.xsn>).
 - c. Click on New Configuration.
 - d. Attach your XSN and give this a name, such as TestReplace. Click **Save**, and then click **OK** in the confirmation dialog.
6. Create the data connection
 - a. Back in InfoPath design mode, click on **Tools > Data Connections**.
 - b. Click Add, and follow the wizard to create a data connection.
 - This data connection will receive data from the DBXL XSN web service (located here <http://servername/QdabraWebService/DbxlXsnService.asmx>).
 - There is only one operation (*GetSampleDataXml*), which is the one we will use.



- When asked for the `tns:docTypeName` parameter, make sure to enter the same name you used in step 5(d). The wizard will ask you for this value twice.
- Do not select the option to “Store a copy of the data in the form template”.
- Make sure to select the option to “Automatically retrieve data when form is opened”.
- Name the connection **GetSampleDataXml**.

c. Close the Data Connections window.

In the InfoPath data source taskpane, switch to the **GetSampleDataXml** secondary data source. Expand the nodes to see the following:





This node

(/dfs:myFields/dfs:dataFields/tns:GetSampleDataXmlResponse/tns:sampleDataXml/my:myFields/my:group) holds the default values for your form. We can now configure the command.

7. Configure the command

- Double-click on the reset button and click **Rules**.
- Click **Add** and click **Add Action**.
- In the action dropdown, select **Set a field's value**.

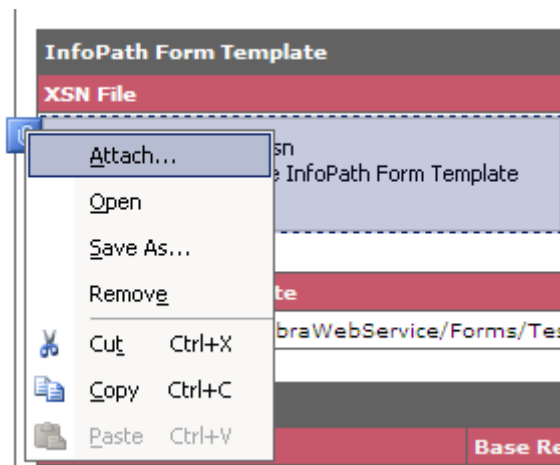
d. Click on the selector icon next to field () , switch to the **QdabraRules (Secondary)** data source, and select the *Command* node. Click OK.


e. Click on the selector icon next to the Value () , and enter the following:



**Replace /dsnamesrc=GetSampleDataXml
/xpathsrc=/dfs:myFields/dfs:dataFields/tns:GetSampleDataXmlResponse/tns:sampleDataXml/my:myFields/my:group /xpathdest=/my:myFields/my:group**

- f. Click **OK** until all dialogs are closed.
- 8. Update the XSN and test
 - a. In InfoPath, save the XSN.
 - b. Switch to the DBXL Administration tool and update the XSN that is attached. Hint: By clicking on the paperclip icon, you can select Attach, and re-attach the updated XSN.



- c. Click **Save**, and then click **OK** in the confirmation.
- d. Click on the icon  to open the form.

When the form opens the fields are set to the default value. Change these values, and then click Reset. The default values you set are placed back into the form fields!