

SAVING FORM HISTORY TO SHAREPOINT LISTS

PRODUCT: qRules
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One of the drawbacks of SharePoint lists is that the data is flat. However, we can set up the SharePoint List and use the SubmitToSharePointList command to map comments from your InfoPath form to the SharePoint List. The result will be a repeating history of comments for each of the SharePoint List Items.

You might be familiar with [qRules](#) and the SubmitToSharePointList command. (If you're not, [here's a good tutorial](#)!) The command allows you to send InfoPath form data into a SharePoint list and was among one of the options mentioned in this [previous blog post](#).

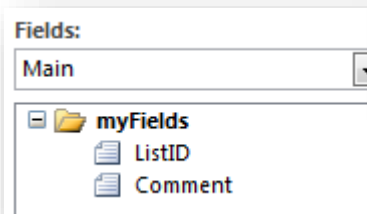
Here's an overview of the setup needed for our current scenario:

INJECT YOUR FORM WITH QRULES

You can refer to [this tutorial](#) for step by step details on getting started with the SubmitToSharePointList command.

DESIGN YOUR DATA SOURCE

For the purposes of this demonstration, the only nodes we need in the main data source are: a whole number field to store the SharePoint List ID and a text field where the user fills in comments.



IMPLEMENT THE SUBMITTOSHAREPOINTLIST COMMAND

Of course, as with any implementation of this command, we'll need:

- A submit-type data connection to the lists.asmx web service,
- a mapping file, generated by the "Qdabra InfoPath to SharePoint List Tool", which includes mapping the ID from the list,
- and a button that executes the SubmitToSharePointList command.

AND LAST, BUT NOT LEAST

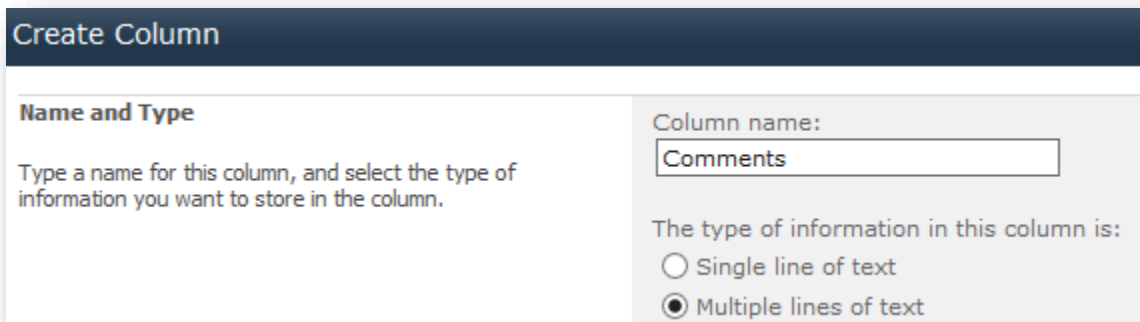
We need a SharePoint list where the data is mapped! And this is where the scenario diverges from the generic scenario explained in the tutorials mentioned above.

The first thing we need to do is enable versioning for the SharePoint List. This can be done in **List Settings > Versioning Settings**.

Learn about versions.'. On the right, there is a question 'Create a version each time you edit an item in this list?' with two radio buttons: 'Yes' (which is selected) and 'No'." data-bbox="134 294 902 329"/>

The SharePoint list must have a column to store the data, which we have called “Comments” and satisfies the following requirements:

- The data type is “Multiple lines of text”,



- “Specify the type of text to allow” is set to “Plain text”,
- and “Append Changes to Existing Text” is set to “Yes”.

Additional Column Settings

Specify detailed options for the type of information you selected.

Description:

Require that this column contains information:

☐ Yes ☒ No

Number of lines for editing:

Specify the type of text to allow:

☒ Plain text

☐ Rich text (Bold, italics, text alignment, hyperlinks)

☐ Enhanced rich text (Rich text with pictures, tables, and hyperlinks)

Append Changes to Existing Text

☒ Yes ☐ No

☒ Add to default view

And that's it! Because the SharePoint List ID is mapped (as part of the mapping file), comments get added to the same list item. Of course, the SharePoint list is flat and cannot display repeating data. Therefore, in the list itself you'll see "View entries" in the Comments column.

Comments

View Entries...

When you click "View entries", you'll see the entire history of comments for this list item:

Comments	
Ernesto Machado (Test)	(8/1/2013 3:10 PM): this is the fourth comment
Ernesto Machado (Test)	(8/1/2013 3:08 PM): this is the THIRD comment
Ernesto Machado (Test)	(8/1/2013 3:08 PM): this is the SECOND comment
Ernesto Machado (Test)	(8/1/2013 3:08 PM): this is the first comment

RESOURCES

A free trial download of qRules is available on <http://www.qdabra.com>.

If you have not done so already, we suggest your qRules journey begin with the **qRules Installation Guide**, included alongside the qRules installer.

The **qRules Quick Start** document will walk you through injecting an InfoPath form and setting up one command. This will help illustrate the basic usage of qRules.

You could then:

- Check out Qdabra's qRules training modules and videos, which are available by clicking [here](#).
- Refer to the **qRules Command Overview**. This document includes information on all commands included in qRules.
- Try the **qRulesForm.xsn** to see command samples. In default installations, this form is included in the following folder: *C:\Program Files\Qdabra Software\Qdabra Rules Library*. To use this form, navigate to this folder, right-click on qRulesForm.xsn and select **Design**. Make sure that you select the default view, called **Main**, and click **Preview**.
- Refer to the **qRules User Guide** for various hints and tips useful as you work with Qdabra qRules.
- **qRules Full Trust Form Installation Guide**: Explains how to install the "Qdabra InfoPath to SharePoint List Tool". In default installations, you'll find this in *C:\Program Files\Qdabra Software\Qdabra Rules Library\Forms\Installable Forms*.

Please refer to the qRules product page on [Qdabra.com](http://www.qdabra.com) for an updated list of all available documentation.

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