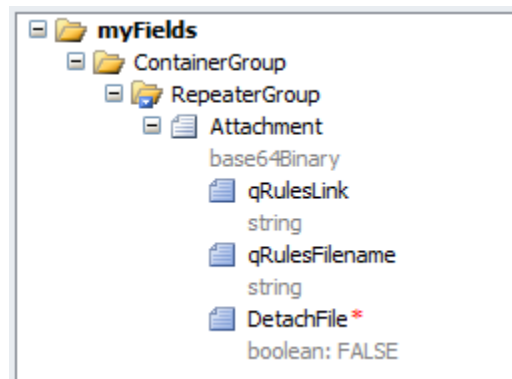


# HOW TO ITERATE A QRULES COMMAND

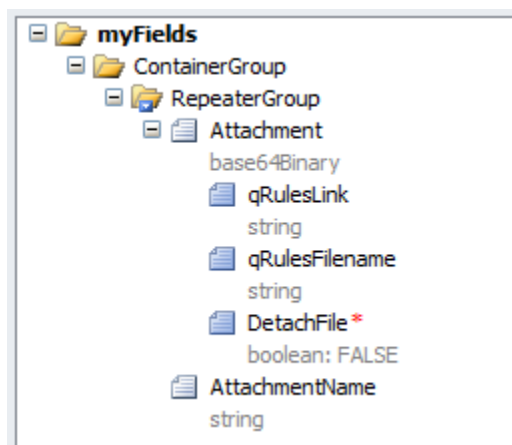
PRODUCT: qRules  
LAST UPDATED: August 29, 2011

This technique comes from one of Qdabra's own customers, John Shaw, who is a qRules user. This cool idea will iterate the SaveToSharePoint command for multiple file attachments. This tutorial builds on the example show in a [previous document](#) by making the command repeating.

1. Create a new, blank form and inject it with qRules. For information on how to do this, please refer to the [qRules User Guide](#).
2. Create the following initial schema, where **DetachFile** is a Boolean attribute, which defaults to **false**. For information on the **qRulesLink** and **qRulesFilename**, see the [qRules User Guide](#).



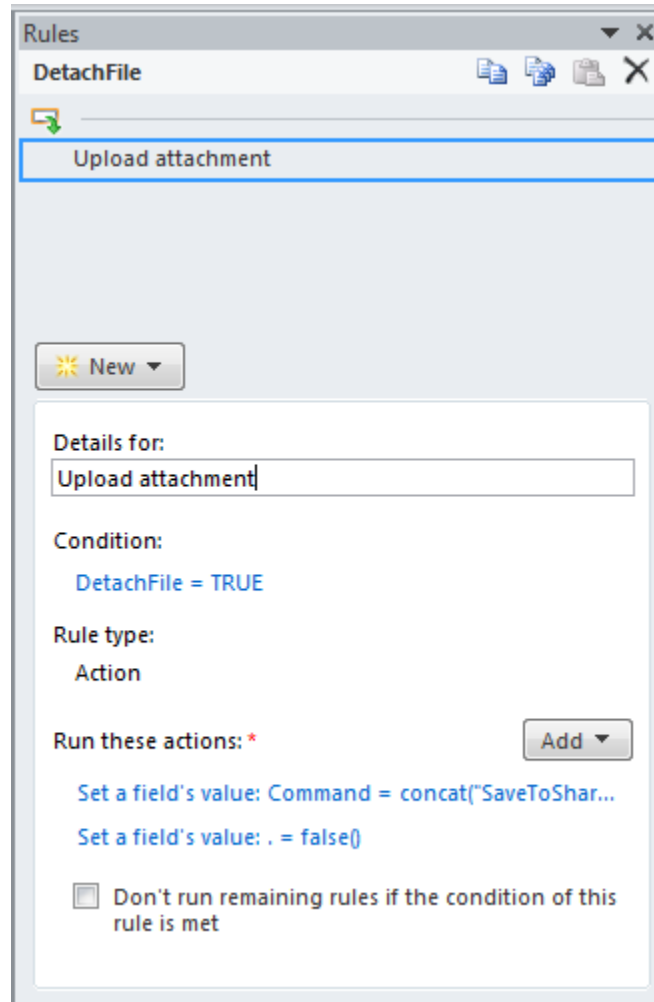
3. Set a text box (**AttachmentName**) in the repeating section. This field allows the user to name the attachment being uploaded.



- On the Boolean **DetachFile** node, create a rule that set the command node in the QdabraRules secondary data source to the command SaveToSharePoint. This rule will only execute when **DetachFile** is equal to true. The command will look like this:

```
concat("SaveToSharePoint /url=<YOUR_LIBRARY_URL> /xpath=
/my:myFields/my:ContainerGroup/my:RepeaterGroup/my:Attachment /name=", AttachmentName, "
/overwrite=no")
```

- Add a second action to reset **DetachFile** back to false.

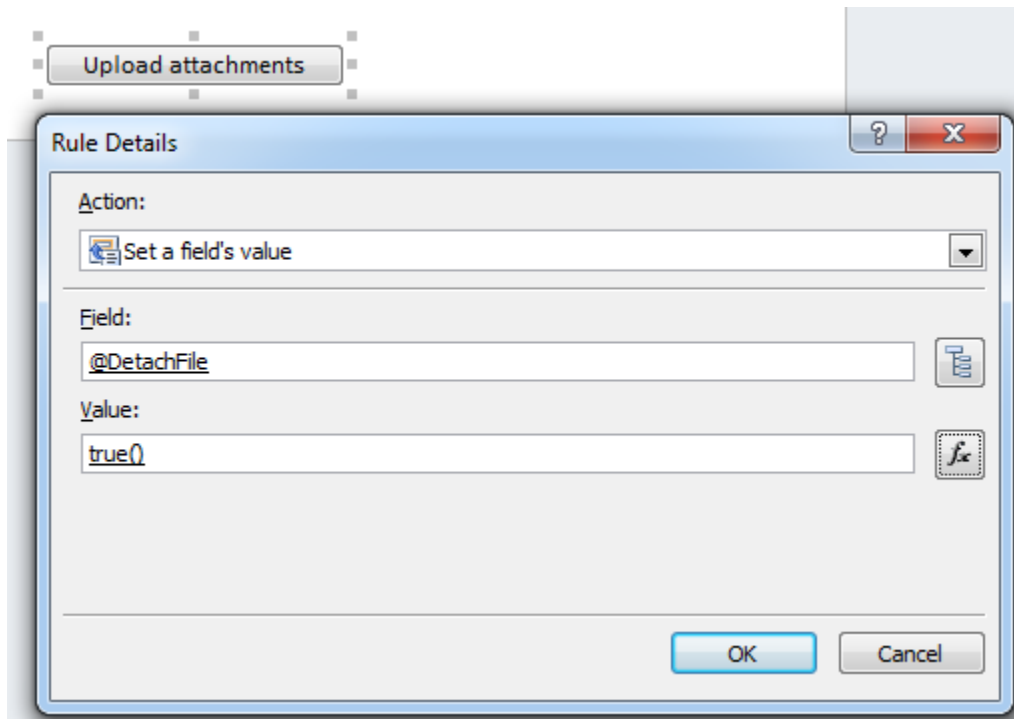


- Design the form to show the repeating section. The exact design is up to you, but the screenshot below shows an example:



Attachment	Attachment Name
<input type="button" value="Click here to attach a file"/>	<input type="text"/>
<input type="checkbox"/> Repeating Table	

7. Add a button to the form and label it "Upload attachments". This button will use rules, and its only action is to set the Boolean attribute of the attachment field to **true**.



Now when a user attaches more than one attachment and provides a filename for each attachment, clicking the button will iterate thru each attachment to upload it to SharePoint.

