



QDABRA QRULES v2.2

How to use the DelimitedList command

INTRODUCTION

DelimitedList command was introduced in qRules v2.2. This command takes a repeating field and creates a single return value with each value of the field separated by a chosen separator.

Arguments:

- **xpath:** Xpath for field with values.
- **Dsname:** (optional) Data Source Name.
- **separator:** (optional) List separator.
- **space:** (optional) Before|After|Both.

Examples:

- *DelimitedList /xpath=/my:myFields/my:DelimitedTextFld*
- *DelimitedList /xpath=/my:myFields/my:DelimitedTextFld /separator=& /space=before*
- *DelimitedList /xpath=/my:myFields/my:DelimitedTextFld /separator=& /space=after*
- *DelimitedList /xpath=/my:myFields/my:DelimitedTextFld /separator=& /space=both*
- *DelimitedList /xpath=/my:myFields/my:DelimitedTextFld /separator=& /space=both /dsname=<SecondaryDataSource>*

PRE-REQUISITE

This tutorial assumes that you have qRules v2.2 is already installed on your machine. For details on this, please see the User Guide included with the installer.

- 1) Create a new InfoPath form: In InfoPath, design a new, blank form. Select **File > Save As** and save the XSN to your local drive. Close the form.
- 2) Launch the qRules v2.2 Injector, browse to select the XSN you created and click Inject. Close the qRules Injector and open the form in Design mode.

For more information on the steps above, refer to the User Guide.

EXECUTION STEPS

Design your form template based on the following steps:

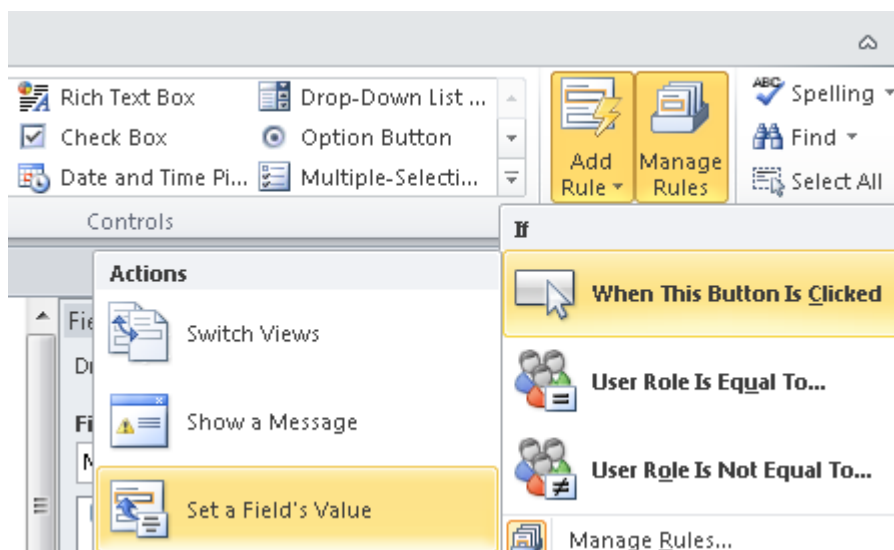
- 1) Drag and drop the following controls onto your canvas, all of data type **string**.
 - a. **Bulleted List** (this tutorial uses **DelimitedTextFld**).
 - b. **Text Box** (this tutorial uses **DelimitedCommand**).
 - c. **Button** (this tutorial uses **DelimitedList**).



Finally you will have the following layout on your canvas:

Enter a delimited text	☒ Bulleted List
Delimited Command:	
DelimitedList	

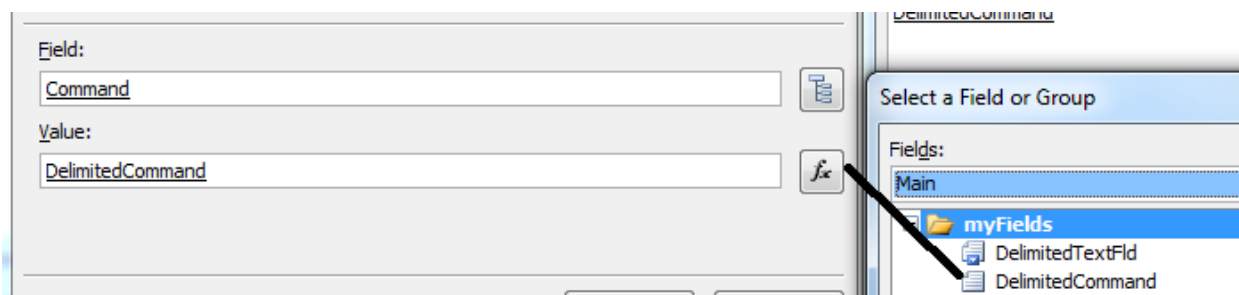
- 1) Click on the **DelimitedList** button, and then from **Home > Add Rule > When This Button is Clicked > Set a Field's Value**:



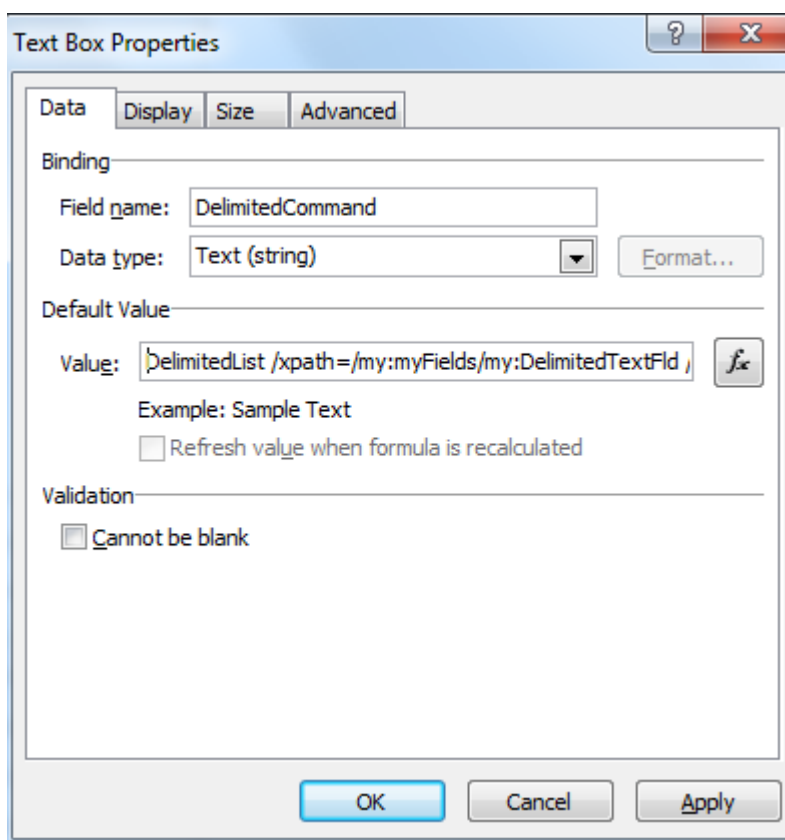
- 2) Now set a **Field:** value to point to the **QdabraRules(Secondary) Command** field.



- 3) Set a **Value:** to point to the **DelimitedCommand** field from the main data source. Click **OK**.



- 4) Right click on the **DelimitedCommand**, and select **Text Box Properties...** and enter the value:
DelimitedList /xpath=/my:myFields/my:DelimitedTextFld /separator=& /space=before



- 5) Click **OK**.
6) Now drag and drop the QdabraRules **Result**, **Success**, and **Error** fields into the view.
7) Preview the form.
8) Enter a delimited text:

Enter a delimited text

- a
- b
- c



9) Click **DelimitedList** button to execute the command.

Enter a delimited text

- a
- b
- c

Delimited Command:

```
DelimitedList /xpath=/my:myFields/my:DelimitedTextFld /separator=& /space=before
```

DelimitedList

Result: a &b &c

Error:

Success ☒

10) Similarly you can also take a repeating field from a secondary data source to return a single value of the field separated by a chosen separator using **/dsname** parameter.

For example:

- Let's save the preview mode of the form at step12 locally.
- Click **Data > Data Connections**.
- Click **Add...** button to add a receiving data connection.
- Select **XML document** as source of your data.

Select the source of your data.

From where do you want to receive your data?

- ☐ SOAP Web service
- ☐ REST Web service
- ☐ SharePoint library or list
- ☐ Database (Microsoft SQL Server or Microsoft Access only)
- ☒ XML document

- Click **Next**.
- Navigate to the xml file saved at step a.
- Click **Next**.
- Select **Include the data as a resource file in the form template or template part**.



- ☒ Include the data as a resource file in the form template or template part
- ☐ Access the data from the specified location
- ☐ Store a copy of the data for offline use

- i. Click **Next**.
- j. Click **Finish**.

Data Connection Wizard

Enter a name for this data connection:

sampleform

☒ Automatically retrieve data when form is opened

Note: your form will open more quickly if you delay data queries until the data is needed. To do this, create a rule to query data when a button is clicked or when the value of a field changes.

Summary

Type: Retrieve data
XML file: C:\Users\arunaa\Desktop\test.xml

< Back Finish Cancel

- k. Right click on the **DelimitedCommand**, and select **Text Box Properties...** and enter the value:
DelimitedList /xpath=/my:myFields/my:DelimitedTextFld /separator=& /space=before /dsname=sampleform
- l. Drag and drop the **DelimitedTextFld** from **sampleform secondary data source** onto your canvas.
- m. Click **Preview**.
- n. Click **DelimitedList** button.
- o. The result field returns a single return value (from a secondary data source) by a chosen separator.



Enter a delimited text

Delimited Command:

DelimitedList /xpath=/my:myFields/my:DelimitedTextFld /separator
=& /space=before /dsname=sampleform

DelimitedList

Delimited Text Fld:

- a
- b
- c

**This field is from
secondary data source.**

Result: a &b &c

Error:

Success ☒