

Validation XTP User Guide

 5/22/2019

Overview

This document details the steps on how you can use the GetErrors command in FormsViewer to display validation errors in your form. With GetErrors and GetErrorCount commands, you can easily replace required fields with validation rules. A template part (XTP) is provided along with this document to help you add this latest functionality of FormsViewer into your forms.

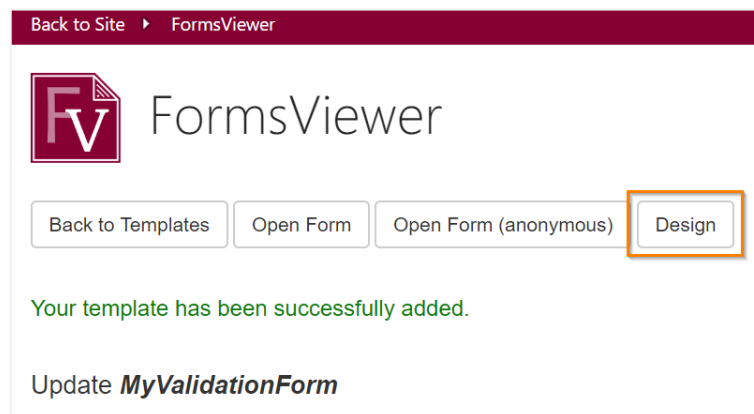
Pre-requisites

- FormsViewer v4.1 or higher
- Validation XTP

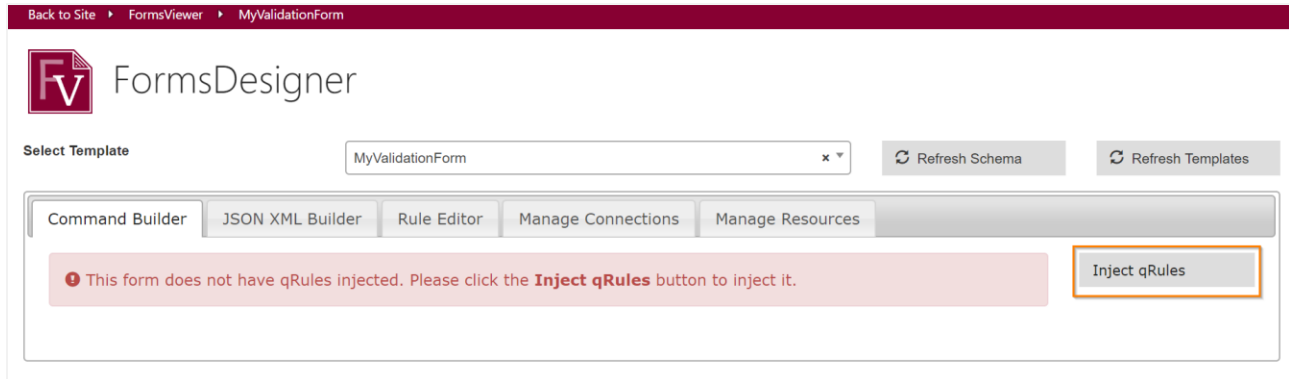
Inject qRules into your Form using FormsViewer

If your form template already has qRules, you may skip this section.

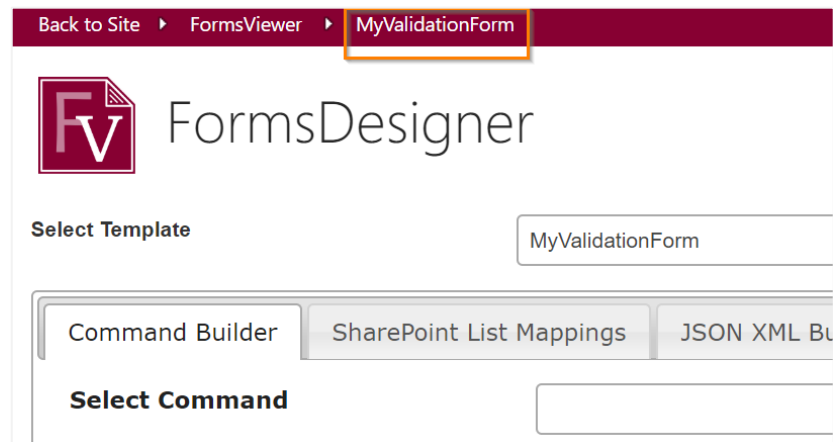
1. Go to **Site Contents** and open the FormsViewer app.
2. Click on **Manage Templates**.
3. Upload a new template or select an existing template that you want to use.
4. Click **Design**.



5. In the Command Builder tab, click **Inject qRules**.



6. qRules will be injected into your form. Click OK on the confirmation message.
7. In the header, click on the Form Template name to go back to the Upload Templates page.



8. Click **Download**.

Back to Site ▶ FormsViewer



FormsViewer

[Back to Templates](#)
[Open Form](#)
[Open Form \(anonymous\)](#)
[Design](#)

Update **MyValidationForm**

Form Template:

Click / Drop here to upload files

Form Group:

Jo-Anne ▼

☐ New Group

[Update](#)
[Download](#)
[Delete this Template](#)

9. Browse to the location of the XSN you just downloaded.
10. Right-click and click **Design**.
11. The form will open in InfoPath Designer. You'll see that you have qRules added into your form as a secondary data source:

Fields

Drag a field to add it to the form.

Fields:

QdabraRules (Secondary) ▼

QdabraRules

version*

finishedLoading*

isSwappingDom*

expires*

Command

Result

Success

Error

View

Context

Form

QueryDataError

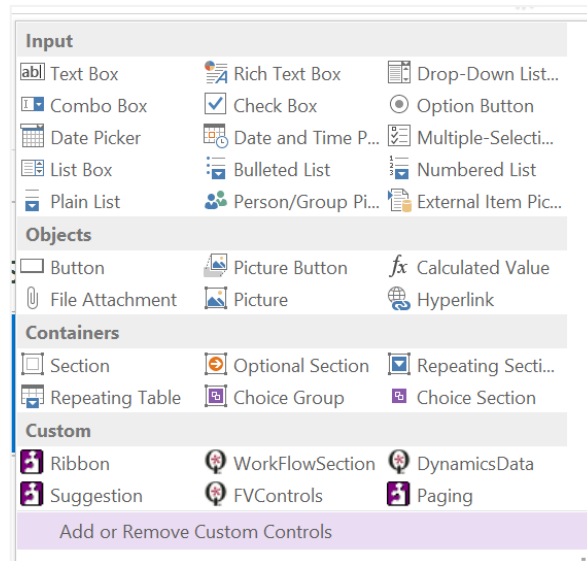
DnsLookup

ExecutionHistory

☐ Show details

Add the Validation XTP

1. Go to the Controls ribbon and click **Add or Remove Custom Controls**.

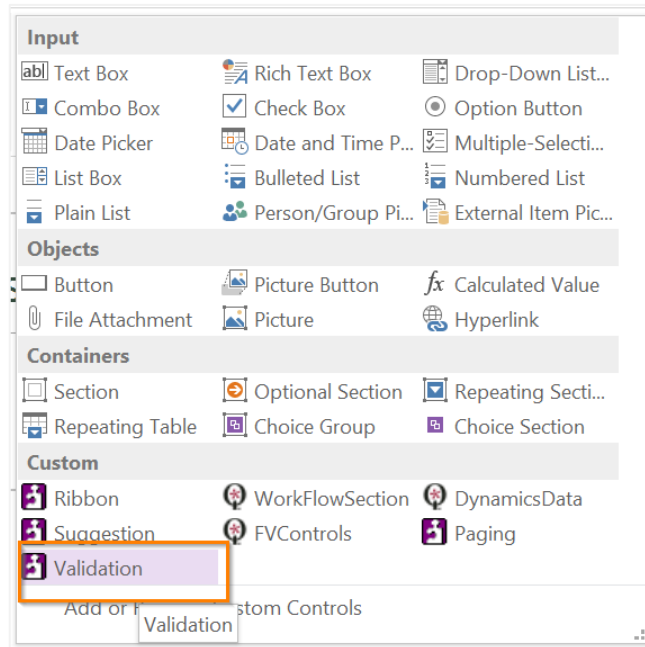


2. Go through the wizard and add the Validation XTP included in this package.

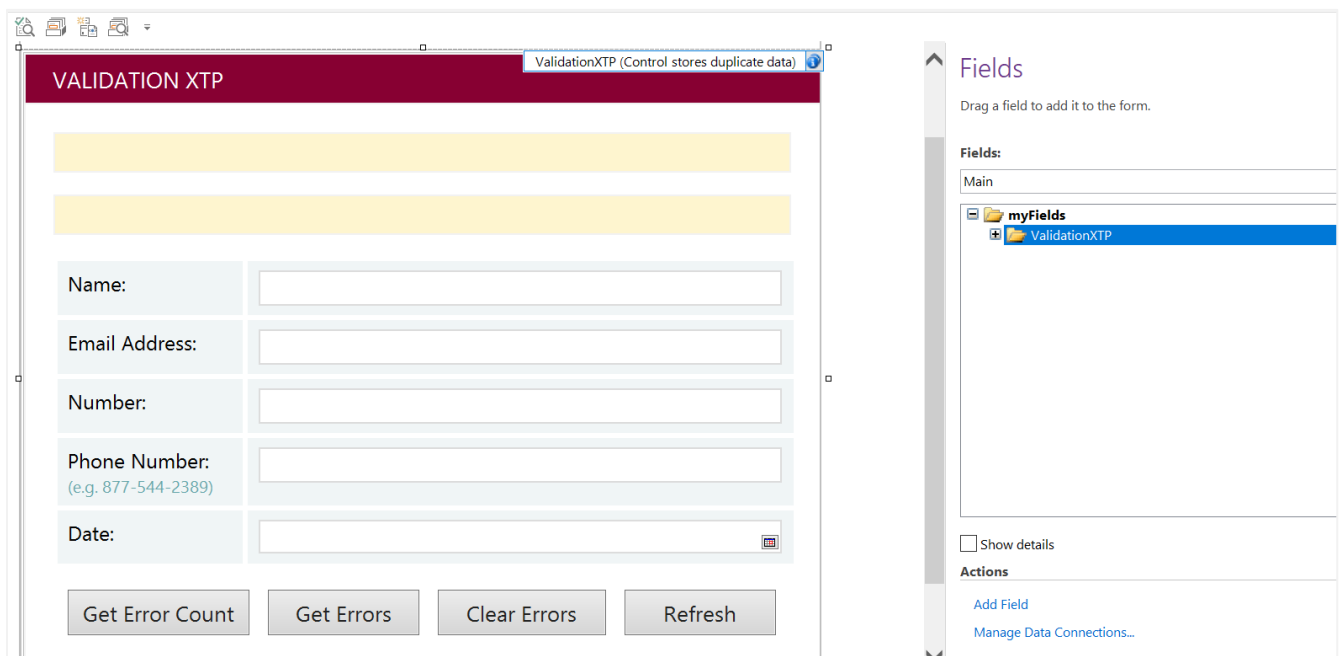
Note

Before proceeding on the next step, create a backup of your form. The XTP will change the schema of your form as it injects its own data source into the template. Avoid adding the XTP control multiple times because this will create duplicate fields in your data source.

3. Once the XTP is added, place your cursor in your form canvas where you want the control to be placed.
4. Click on the Controls ribbon again and select the Validation XTP under the Custom section:



5. You'll see the XTP is now added into your form:

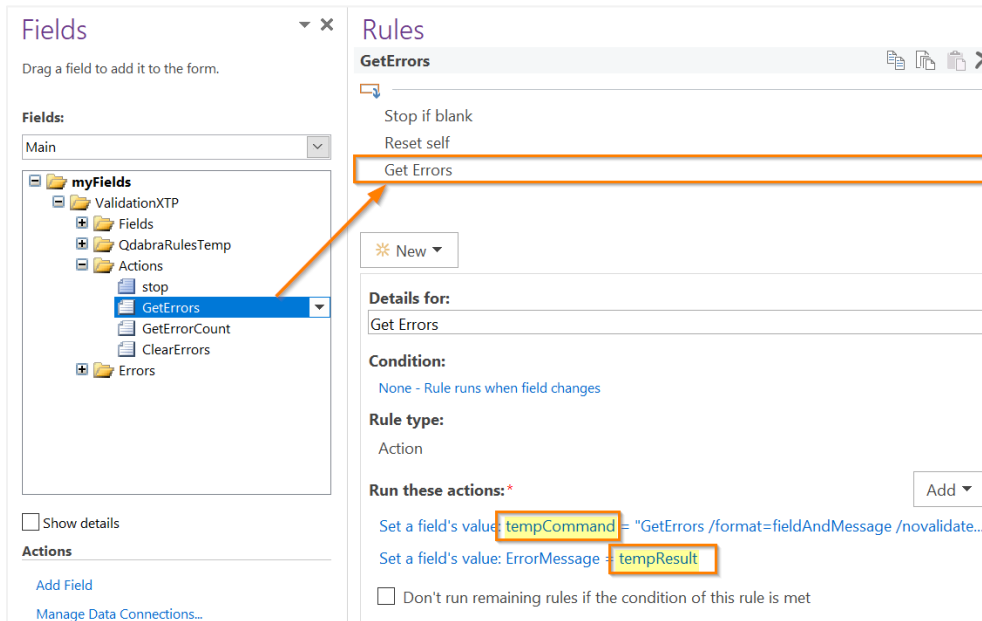


6. Next, we will replace the @tempCommand and @tempResult instances to point to your QdabraRules Command and Result nodes.

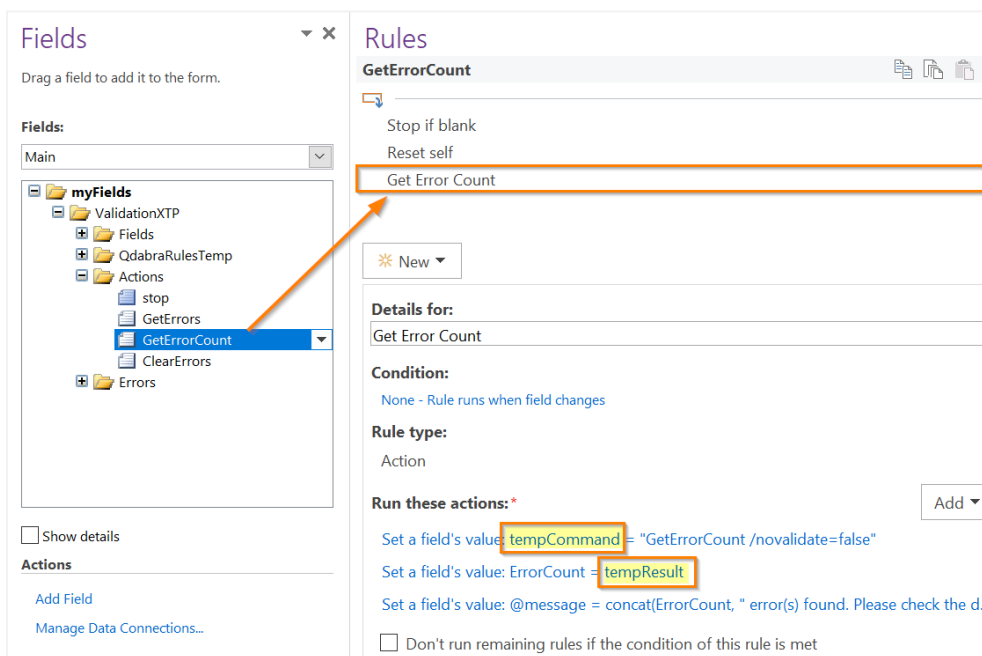
- /QdabraRules/Command
- /QdabraRules/Result

Go through the following nodes in the Fields pane and replace all instances:

- /my:myFields/my:ValidationXTP/my:Actions/my:GetErrors



- /my:myFields/my:ValidationXTP/my:Actions/my:GetErrorCount



- /my:myFields/my:ValidationXTP/my:Actions/my:ClearErrors

Fields

Drag a field to add it to the form.

Fields:

Main

myFields

- ValidationXTP
 - Fields
 - QdabraRulesTemp
 - Actions
 - stop
 - GetErrors
 - GetErrorCount
 - ClearErrors
 - Errors

☐ Show details

Actions

[Add Field](#)

[Manage Data Connections...](#)

Rules

ClearErrors

Stop if blank

Reset self

Clear Errors

Details for:

Clear Errors

Condition:

None - Rule runs when field changes

Rule type:

Action

Run these actions: *

Set a field's value: tempCommand = "ClearErrors"

Set a field's value: ErrorCount = tempResult

Set a field's value: ErrorMessage = tempResult

☐ Don't run remaining rules if the condition of this rule is met

Test Your Form!

1. Upload and open the form in FormsViewer.
2. Leave all fields blank and click Get Error Count. You'll see a message displayed stating the number of errors found:

VALIDATION XTP

5 error(s) found. Please check the details to fix.

Name:

Email Address:

Number:

Phone Number:
(e.g. 877-544-2389)

Date:

Get Error Count

Get Errors

Clear Errors

Refresh

3. Click Get Errors to see which of the fields have errors and their details.

VALIDATION XTP

5 error(s) found. Please check the details to fix.

EmailAddress - Please enter a valid email address.

Number - Please enter a number.

PhoneNumber - Please enter a Phone Number.

Date - Please select a date.

Name - Please enter a name.

Name:

Email Address:

Number:

Phone Number:
(e.g. 877-544-2389)

Date:

Get Error Count

Get Errors

Clear Errors

Refresh

- Fix the errors and click Refresh or Get Errors / Get Error Count again. See how the error count decrements and the error for the field that you fixed no longer shows.

VALIDATION XTP

3 error(s) found. Please check the details to fix.

Number - Please enter a number.
PhoneNumber - Please enter a Phone Number.
Date - Please select a date.

Name:	Jo-Anne
Email Address:	Jo-Anne.Tandaan@Qdabra.com
Number:	
Phone Number: (e.g. 877-544-2389)	
Date:	

Get Error Count

Get Errors

Clear Errors

Refresh

- Try different values and see how it validates and checks for the error:

VALIDATION XTP

4 error(s) found. Please check the details to fix.

EmailAddress - Please enter a valid email address.
Number - Please enter a number.
PhoneNumber - Please enter a Phone Number.
Date - Please select a date.

Name:	Jo-Anne
Email Address:	invalid email
Number:	
Phone Number: (e.g. 877-544-2389)	
Date:	

Get Error Count

Get Errors

Clear Errors

Refresh

6. Now you can apply the validation logic by copying the button rules into a button or field in your form where you want to run the validation rules. If you want to customize using existing fields in your form, select a field in the Validation XTP and copy its logic into your field.

Contact Information

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