

How to configure ConfiForms fields with conditional validation rules



In this tutorial you will learn how to create a form with ConfiForms which will have:

- fields with custom validation rules based on the selected value in other field

We will validate the value as number when "Numbers only" is selected and we will validate the same field's value to contain "letters only" when "Letters only" is selected in the dropdown



If you are new to ConfiForms, please take a few minutes to read the [Basic concepts](#) Guide, or go through the video tutorial on that page. 😊

This is how the form looks like:

Registration

Type

Value

+

✓

Numbers only

Letters only

Save

Close

Complete solution in storage format

```

<ac:structured-macro ac:macro-id="edbecdec-64c6-4b39-bbbf-23952a70ec23" ac:name="conform" ac:schema-version="1">
  <ac:parameter ac:name="formName">f</ac:parameter>
  <ac:rich-text-body>
    <p>
      <ac:structured-macro ac:macro-id="2ee38079-27b7-4edb-a7cc-6613c23af6f0" ac:name="conform-field-definition"
        ac:schema-version="1">
          <ac:parameter ac:name="fieldName">type</ac:parameter>
          <ac:parameter ac:name="fieldLabel">Type</ac:parameter>
          <ac:parameter ac:name="values">false[numbers=Numbers only|letters=Letters only]</ac:parameter>
          <ac:parameter ac:name="type">select</ac:parameter>
        </ac:structured-macro>
      </p>
    <p>
      <ac:structured-macro ac:macro-id="ef9eff1a-ce22-4678-a05f-b165027eb9a0" ac:name="conform-field-definition"
        ac:schema-version="1">
          <ac:parameter ac:name="fieldName">val</ac:parameter>
          <ac:parameter ac:name="fieldLabel">Value</ac:parameter>
          <ac:parameter ac:name="type">text</ac:parameter>
        </ac:structured-macro>
      <ac:structured-macro ac:macro-id="760927dc-06e4-4027-8811-bb863630051a" ac:name="conform-entry-register"
        ac:schema-version="1">
          <ac:parameter ac:name="atlassian-macro-output-type">INLINE</ac:parameter>
          <ac:rich-text-body>
            <p>&nbsp;</p>
          </ac:rich-text-body>
        </ac:structured-macro>
      <ac:structured-macro ac:macro-id="254041c2-175f-4ee9-bc18-4ff62ca16ab6" ac:name="conform-field-definition-rules"
        ac:schema-version="1">
          <ac:parameter ac:name="condition">type:numbers</ac:parameter>
          <ac:parameter ac:name="fieldName">Please enter numeric value</ac:parameter>
          <ac:parameter ac:name="values">^[0-9,;]+$</ac:parameter>
          <ac:parameter ac:name="action">Validation rule</ac:parameter>
          <ac:parameter ac:name="actionFieldName">val</ac:parameter>
        </ac:structured-macro>
      </p>
    <p>
      <ac:structured-macro ac:macro-id="1ced7eda-f1e8-484b-af45-c15922005685" ac:name="conform-field-definition-rules"
        ac:schema-version="1">
          <ac:parameter ac:name="condition">type:letters</ac:parameter>
          <ac:parameter ac:name="fieldName">Only letters are allowed</ac:parameter>
          <ac:parameter ac:name="values">^[a-zA-Z]*$</ac:parameter>
          <ac:parameter ac:name="action">Validation rule</ac:parameter>
          <ac:parameter ac:name="actionFieldName">val</ac:parameter>
        </ac:structured-macro>
      </p>
    </ac:rich-text-body>
  </ac:structured-macro>

```

Pieces of a puzzle (how it looks like in the Confluence editor)

CONFI: ConfiForms Form | formName = f

CONFI: ConfiForms Field Definition | fieldName = type | fieldLab...

CONFI: ConfiForms Field Definition | fieldName = val | fieldLabe...

CONFI: ConfiForms Registration Control

CONFI: ConfiForms Field Definition Rules | actionFieldName = val | con...

CONFI: ConfiForms Field Definition Rules | actionFieldName = val | con...

We have simple form (ConfiForms Form), 2 fields (2 ConfiForms Field definitions), 1 ConfiForms Registration Control and 2 ConfiForms Field Definition Rules macros

Let's see in more details how the "type" field is configured:

Edit 'ConfiForms Field Definition' Macro

type

Must be unique within the form defined and alphanumeric

Field label *

Type

☐ Required *

Field type

Dropdown

☐ Track changes

Sorting

id

value

numbers

Numbers only

Preview

Select macro

Save Cancel

It is a dropdown field with 2 choices: numbers (Numbers only) and letters (Letters only)

Next important bit is 2 ConfiForms Field Definition Rules macros and their configurations. Both rules are set to track "val" field and executed based on a condition, meaning based on the selection made in the "type" field. Important bit here is the condition - we filter based on this condition and use an ID for dropdown field (see configuration for "type" field above)

Edit 'ConfiForms Field Definition Rules' Macro

Name of the field you want to track/validate

Condition

Action will be executed when condition is met. [Same syntax as in filters](#) The scope is current entry/record

Action *

Action to perform

Message to show when validation fails

Validation rule

 Preview

[Select macro](#)

Save

Cancel

Edit 'ConfiForms Field Definition Rules' Macro

Name of the field you want to track/validate

Condition

Action will be executed when condition is met. [Same syntax as in filters](#) The scope is current entry/record

Action *

Action to perform

Message to show when validation fails

Validation rule

 Preview

[Select macro](#)

Save

Cancel

And here is how the form behaves when validation fails

Registration



- Please enter numeric value

Type

Numbers only

Value

hello

Save

Close

Registration



- Only letters are allowed

Type

Letters only

Value

12345

Save

Close

When validation is successful the record is saved into the form storage, otherwise the appropriate error message is shown