

# Conditional validation rules against dataset



In this tutorial you will learn how to set up validation rules to validate against the data stored



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. 😊

Often there is a need to setup some checks to ensure the limits on some values.

In the example below we have a requirement to deny registrations if the dataset has already 3 records of the choice B

This validation is possible to automate in ConfiForms by using the "ConfiForms Field Definition Rules" macro and using it's "Action" selected to "Validation Rule (dataset)"

We start with the form, which has only one field of type Dropdown, a registration Control macro to enable new registrations and "ConfiForms Field Definition Rules" macro with rules to check the dataset

## validation per field value with dropdown

|

CONFIF: ConfiForms Form | formName = f

CONFIF: ConfiForms Field Definition | fieldName = myddfield | fie...

CONFIF: ConfiForms Field Definition Rules | actionFieldName = myddfield...

CONFIF: ConfiForms Registration Control

The dropdown field looks like this:







### Edit 'ConfiForms Field Definition' Macro


Field type

Dropdown


☐ Track changes

Sorting

id	value
A	this is A  
B	this is B  
C	this is C  



Field description (optional)

 Preview

[Select macro](#)

Save

Cancel

has 3 values: A, B and C

And the rules for validation is as follows:

### Edit 'ConfiForms Field Definition Rules' Macro

Name of the field you want to track  
(optional for validation rules)


Condition

Action will be executed when condition is met. [Same syntax as in filters](#) The scope is current entry/record (for dataset validation the scope is all records). You can reference current records fields via [entry.field\_name]

Action \*

Action to perform

Message to show when validation matches

 Preview

[Select macro](#)

Save

Cancel

we check for values "B" and count them using built-in variable ~~[count]~~

❗ Variable has changed from [count] to \_count as in [Accessing field values and properties](#)

Condition will match when a dataset has 3 records (where field value for field "myddfield" is "B") in it already

When it does the message to use will be shown

**validation per field value with dropdown**  
Created by Sash [ConfiForms], last modified just a moment ago

Register Form: f

My drop down field		
this is B		Edit   Delete
this is B		Edit   Delete
this is C		Edit   Delete
this is A		Edit   Delete
this is B		Edit   Delete

**Registration**

❗ There are already 3 items of B value

My drop down field this is B

+ Save Close

CSV | XLS | JSON | XML | HTML | Records: 0 Size: 0 KB  
ConfiForms license type: Commercial license. Max users: 10. Maintenance expiry date: 2016-09-27T10:00:00.000-04:00. License is valid. Maintenance license is valid.

Storage format (configuration) for the whole solution:

```
<ac:structured-macro ac:macro-id="e15f05e9-90a9-4725-bd84-af49bedf9a8c" 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="56f6d25e-8791-4b69-9f83-93d3a9a85e29" ac:name="conform-field-definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">myddfield</ac:parameter>
        <ac:parameter ac:name="fieldLabel">My drop down field</ac:parameter>
        <ac:parameter ac:name="values">>false[A=this is A|B=this is B|C=this is C|]</ac:parameter>
        <ac:parameter ac:name="type">select</ac:parameter>
      </ac:structured-macro>
    </p>
    <ac:structured-macro ac:macro-id="a855e900-ea9c-44e7-b838-dfe48529a95d" ac:name="conform-field-definition-rules" ac:schema-version="1">
      <ac:parameter ac:name="condition">myddfield:B AND _count:>3</ac:parameter>
      <ac:parameter ac:name="fieldLabel">There are already 3 items of B value</ac:parameter>
      <ac:parameter ac:name="action">Validation rule dataset</ac:parameter>
      <ac:parameter ac:name="actionFieldName">myddfield</ac:parameter>
    </ac:structured-macro>
    <p> <ac:structured-macro ac:macro-id="639bf3c1-fa34-43c7-8dce-e8ab9f483f76" 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> </p>
      </ac:rich-text-body>
    </ac:structured-macro> </p>
  </ac:rich-text-body>
</ac:structured-macro>
```

More advanced storage to validate ANY option for max 3 items

```
<ac:structured-macro ac:macro-id="e15f05e9-90a9-4725-bd84-af49bedf9a8c" ac:name="confiorm" ac:schema-version="1">
  <ac:parameter ac:name="formName">f</ac:parameter>
  <ac:rich-text-body>
    <p>
      <ac:structured-macro ac:macro-id="56f6d25e-8791-4b69-9f83-93d3a9a85e29" ac:name="confiorm-field-definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">myddfield</ac:parameter>
        <ac:parameter ac:name="fieldLabel">My drop down field</ac:parameter>
        <ac:parameter ac:name="values">>false[A=this is A|B=this is B|C=this is C|]</ac:parameter>
        <ac:parameter ac:name="type">select</ac:parameter>
      </ac:structured-macro>
    </p>
    <ac:structured-macro ac:macro-id="a855e900-ea9c-44e7-b838-dfe48529a95d" ac:name="confiorm-field-definition-rules" ac:schema-version="1">
      <ac:parameter ac:name="condition">myddfield:[entry.myddfield] AND _count:>3</ac:parameter>
      <ac:parameter ac:name="fieldName">There are already 3 items of '[entry.myddfield.label]' value</ac:parameter>
      <ac:parameter ac:name="action">Validation rule dataset</ac:parameter>
      <ac:parameter ac:name="actionFieldName">myddfield</ac:parameter>
    </ac:structured-macro>
    <p> <ac:structured-macro ac:macro-id="639bf3c1-fa34-43c7-8dce-e8ab9f483f76" ac:name="confiorm-entry-register" ac:schema-version="1">
      <ac:parameter ac:name="atlassian-macro-output-type">INLINE</ac:parameter>
      <ac:rich-text-body>
        <p> </p>
      </ac:rich-text-body>
    </ac:structured-macro> </p>
  </p> </p>
</ac:rich-text-body>
</ac:structured-macro>
```



Of course you can have as many validation rules as you want/need, with different conditions (which span across many fields if necessary)