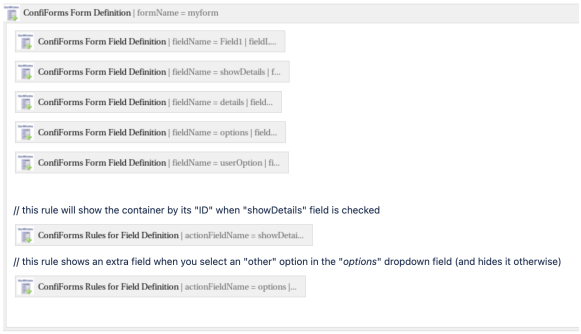
How to show or hide blocks of fields in ConfiForms conditionally

Simple tutorial on how to use ConfiForms Field Definition Rules#Showcontainer and it's counterpart ConfiForms Field Definition Rules#Hidecontainer ConfiForms Rules for Field Definitions to show and hide visual blocks in your forms conditionally

These rules are usually used with custom layouts, where you have your own layout defined for the form and want to show or hide blocks of fields conditionally

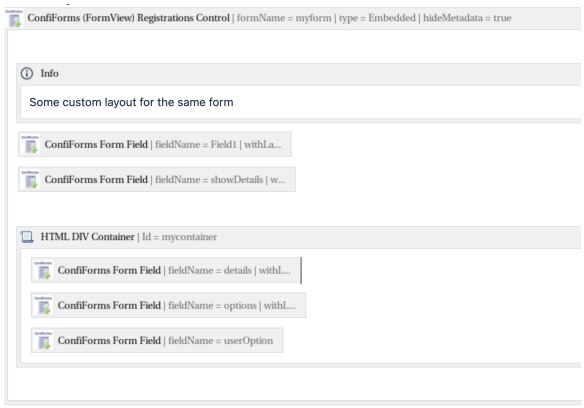
Consider a form that has few fields like this



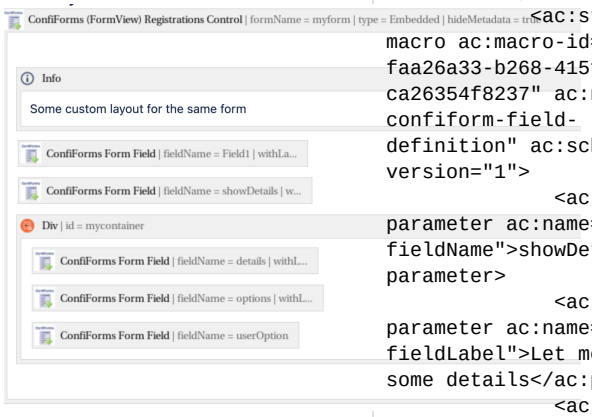
Custom layout for the same form

Implemented like

Using our Div container user macro



Using div macro from Content Formatting Macros for Confluence by Adaptavist



Please note that Div container user macro we have has certain limitations due to the way how user macros are rendered in Confluence. If you can use other macro that can be addressed via CSS then it is advisable to use that

Configuration

As you can see, our form has 5 fields and 2 rules. Actually there are 4 rules, as each of the 2 rules has a "reverse rule" automatically created. That works for show/hide rules very well and you do not need to create an extra reverse rule yourself.

Our 5 fields are:

Full configuration for the form in storage format

```
<ac:structured-macro ac:
macro-id="a356f4a8-bdfc-
4f79-bc45-56c1abc82106" ac:
name="confiform" ac:schema-
version="1">
        <ac:parameter ac:
name="formName">myform</ac:
parameter>
        <ac:rich-text-body>
          <p>
            <ac:structured-
macro ac:macro-id="
94923a9b-bc51-4272-a4f3-
e1711836ea84" ac:name="
confiform-field-
definition" ac:schema-
version="1">
              <ac:
parameter ac:name="
fieldName">Field1</ac:
parameter>
              <ac:
parameter ac:name="
fieldLabel">Field1</ac:
parameter>
              <ac:
parameter ac:name="type"
>text</ac:parameter>
            </ac:
structured-macro>
          </p>
          <p>
            <ac:structured-
macro ac:macro-id="
faa26a33-b268-415f-bda2-
ca26354f8237" ac:name="
confiform-field-
definition" ac:schema-
version="1">
              <ac:
parameter ac:name="
fieldName">showDetails</ac:
parameter>
              <ac:
parameter ac:name="
fieldLabel">Let me provide
some details</ac:parameter>
              <ac:
parameter ac:name="type"
>checkbox</ac:parameter>
            </ac:
structured-macro> </p>
          <p>
            <ac:structured-
macro ac:macro-id="
cfde56ca-1d74-40f5-a437-
105c7760d598" ac:name="
confiform-field-
definition" ac:schema-
version="1">
```

- Field1 - simple text field (does not really needed here, but added to show a simplest field possible - no rules, no behaviour)
- showDetails - is a checkbox field and that manages the visibility of the other field named "details"
- details - textarea field that is shown only when the checkbox "showDetails" is checked
- options - is a dropdown field with 4 options, 4th option manages the visibility of the "userOption" field
- userOption - is a text field that is shown only when someone has selected an option with ID=4 in the "options" field

Now let's see the 2 rules that add the dynamics to our form:

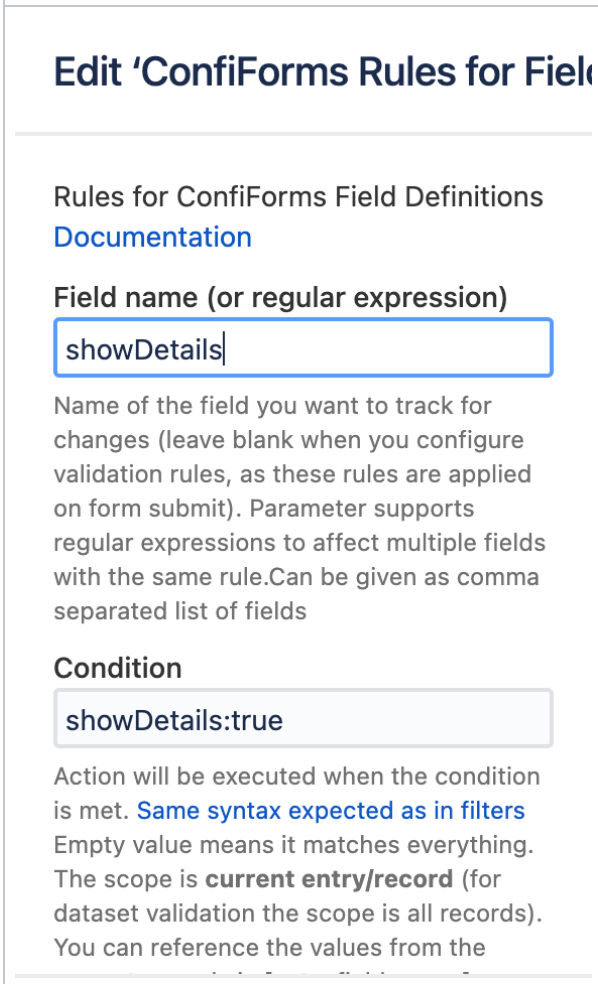
// this rule will show the container by its "ID" when "showDetails" field is checked

ConfiForms Rules for Field Definition | actionFieldName = showDetai...

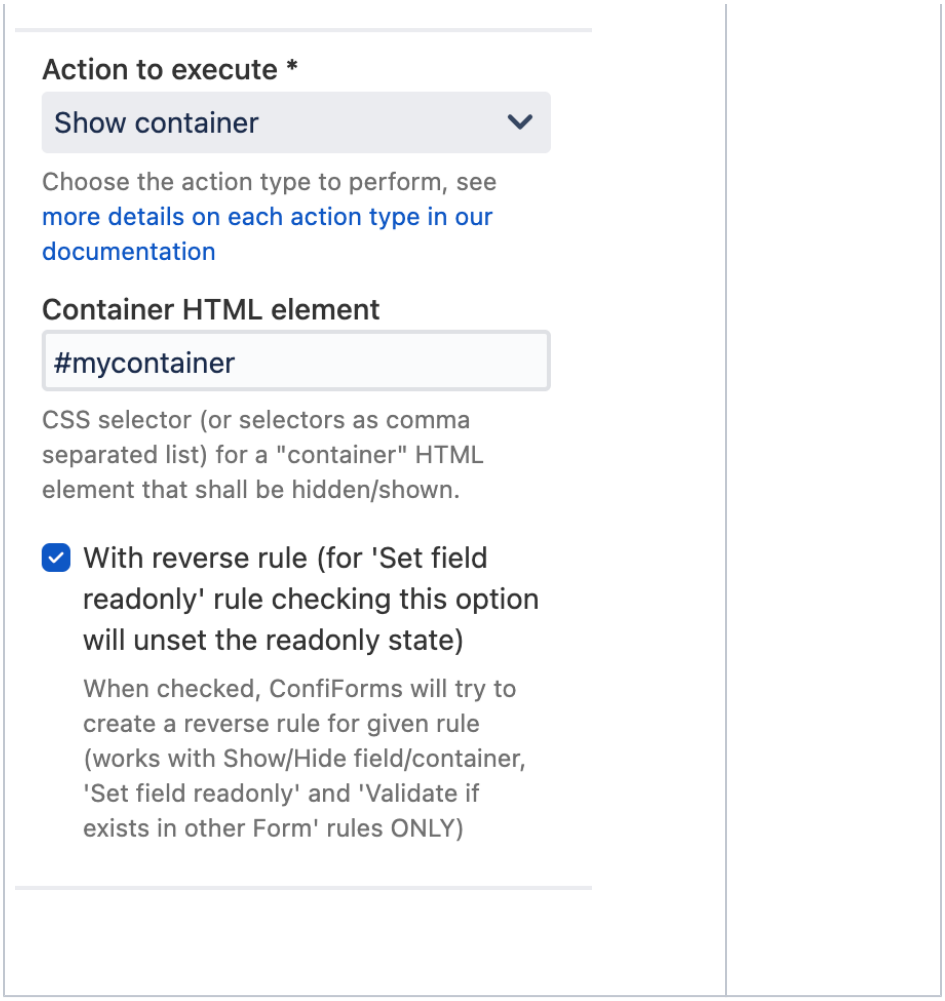
// this rule shows an extra field when you select an "other" option in the "*options*" dropdown field (and hides it otherwise)

ConfiForms Rules for Field Definition | actionFieldName = options |...

Rule 1	Rule 2
First rule is "bound" to field "showDetails" and tracks for changes It has a condition to check if showDetails field has value "true" and we use CSS3 selector, by element id (more on CSS https://developer.mozilla.org/en-US/docs/Web/CSS) `#mycontainer` As this is the name "mycontainer" we set to our DIV macro's ID parameter	See how it is configured here: How to show and hide fields in the form conditionally




```
            <ac:
parameter ac:name="
fieldName">details</ac:
parameter>
            <ac:
parameter ac:name="
fieldLabel">Details</ac:
parameter>
            <ac:
parameter ac:name="type"
>textarea</ac:parameter>
          </ac:
structured-macro>
        </p>
        <p>
          <ac:structured-
macro ac:macro-id="
602a7b0b-1968-4c3a-b9f3-
89a41692c486" ac:name="
confiform-field-
definition" ac:schema-
version="1">
            <ac:
parameter ac:name="
fieldName">options</ac:
parameter>
            <ac:
parameter ac:name="
fieldLabel">Choose an
option</ac:parameter>
            <ac:
parameter ac:name="values"
>false[1=Option 1|2=Option
2|3=Option 3|4=Let me
provide my option|]</ac:
parameter>
            <ac:
parameter ac:name="type"
>select</ac:parameter>
          </ac:
structured-macro> </p>
        <p>
          <ac:structured-
macro ac:macro-id="
0ff45634-8fd7-4f78-a2ef-
05e15bb033d8" ac:name="
confiform-field-
definition" ac:schema-
version="1">
            <ac:
parameter ac:name="
fieldName">userOption</ac:
parameter>
            <ac:
parameter ac:name="
fieldLabel">My option</ac:
parameter>
            <ac:
parameter ac:name="type"
>text</ac:parameter>
          </ac:
structured-macro>
        </p>
        <p>
          <br/>
        </p>
        <p>// this rule
will show the container by
its "ID" when
"showDetails" field is
checked</p>
```



Conditions are written as filters, more on ConfiForms filters you can find here: ConfiForms Filters and ConfiForms Filters by example

```
          <p>
            <ac:structured-
macro ac:macro-id="
d8e55975-bb94-49cb-b0e4-
299efb76af22" ac:name="
confiform-field-definition-
rules" ac:schema-version="
1">
              <ac:
parameter ac:name="
condition">showDetails:
true</ac:parameter>
              <ac:
parameter ac:name="action"
>Show container</ac:
parameter>
              <ac:
parameter ac:name="
actionFieldName"
>showDetails</ac:parameter>
              <ac:
parameter ac:name="values2"
>#mycontainer</ac:
parameter>
              <ac:
parameter ac:name="
withReverseRule">true</ac:
parameter>
            </ac:
structured-macro>
          </p>
          <p>// this rule
shows an extra field when
you select an "other"
option in the "<em>options<
/em>" dropdown field (and
hides it otherwise)</p>
          <p>
            <ac:structured-
macro ac:macro-id="
7b9d37e2-7f3a-4dff-a7b3-
d88d3402b3b4" ac:name="
confiform-field-definition-
rules" ac:schema-version="
1">
              <ac:
parameter ac:name="
condition">options:4</ac:
parameter>
              <ac:
parameter ac:name="
fieldName">userOption</ac:
parameter>
              <ac:
parameter ac:name="action"
>Show field</ac:parameter>
              <ac:
parameter ac:name="
actionFieldName">options<
/ac:parameter>
              <ac:
parameter ac:name="
withReverseRule">true</ac:
parameter>
            </ac:
structured-macro>
          </p>
          <p>
            <br/>
          </p>
        </ac:rich-text-
```

```
body>
      </ac:structured-
macro>
```

To import via Atlassian Confluence Source Editor