

# Conditional validation for required field

With ConfiForms Field Definition Rules it is easy to configure your form to validate the fields to require values, conditionally.

## Configuration

You can easily set up the Field Definition to be required via macro parameters

Insert 'ConfiForms Form Field (Definition)' Macro

Field for ConfiForms dynamic forms  
[Documentation](#)

Field name \*  
  
Must be unique within the form and can be alphanumeric (contain only latin symbols and/or numbers, no umlauts!)

Field label \*

☒ Required \*

Field type  

Text

More about each specific field type you can read in the [documentation](#)

Field description (optional)

Preview

Select macro

Insert

Cancel

But what if you need the field to have a value only when some other field is set?

Consider a simple form with just 2 fields: checkbox field and text field we want to make "required" when a checkbox field is checked

Make required

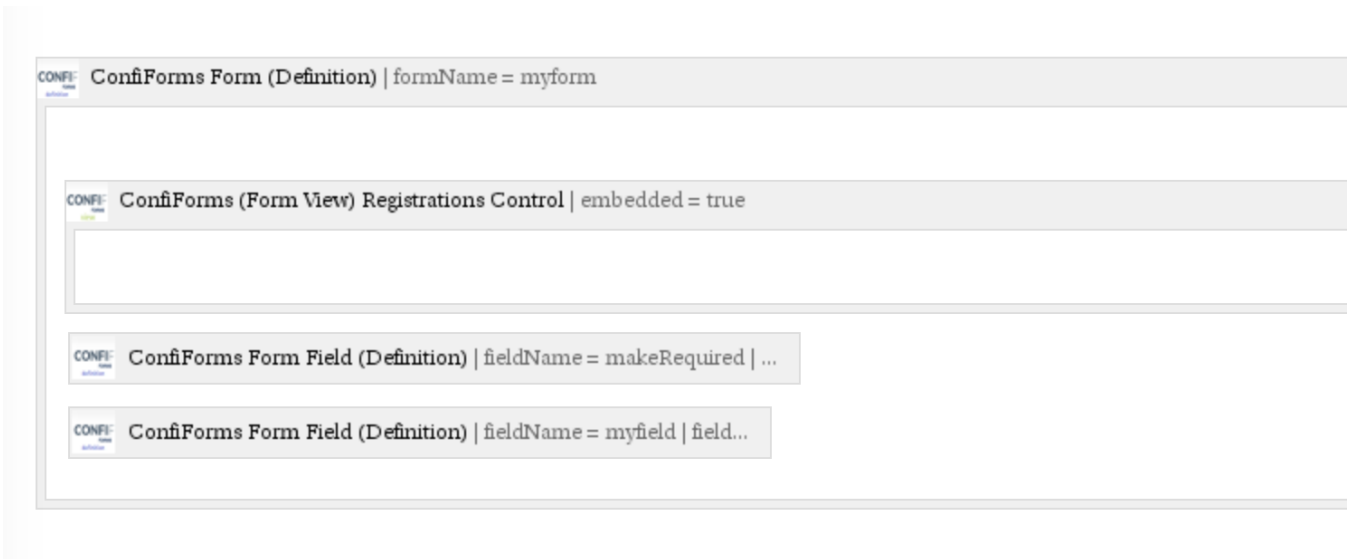
☐

myfield

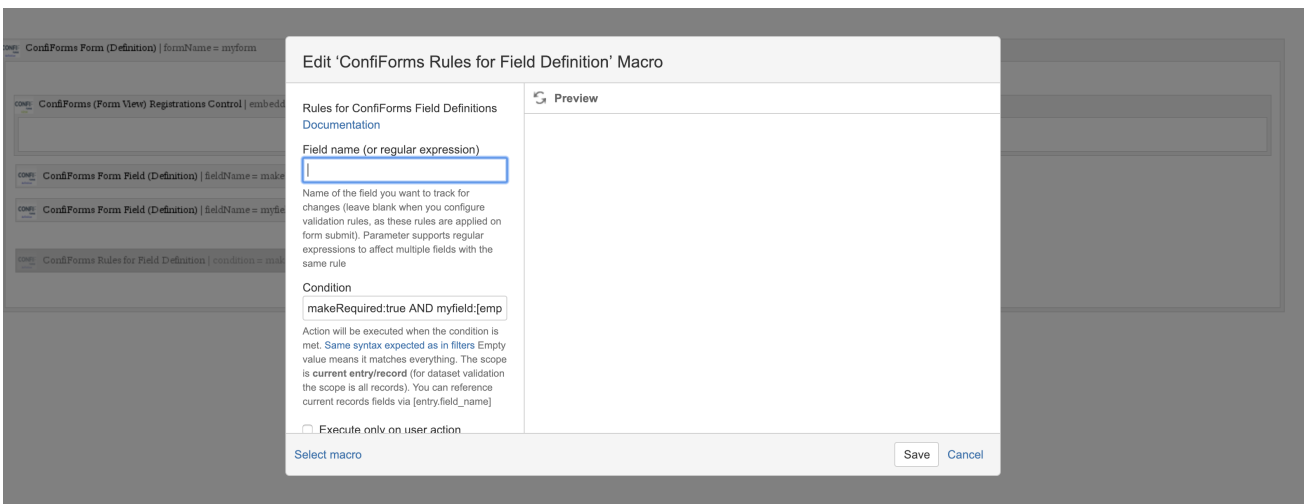
+

Save

Confluence editor "view" of the form's configuration



Now we add a ConfiForms Field Definition rules macro and set it up to require a value for "myfield" when "makeRequired" field is checked



The condition here is set as follows

```
makeRequired:true AND myfield:[empty]
```

The remaining bits of the configuration for the Field Definition Rule are as follows

Action to execute \*

Validation rule

Choose the action type to perform, see [more details on each action type in our documentation](#)

Message to show when validation rule matches

myfield requires a value to be set whe

Validation rule

So, we set the **validation rule to run when the condition is met and show the message we have configured**

When we try to submit the form with empty value for the "myfield" when "makeRequired" field is checked we get the following response

• myfield requires a value to be set when "makeRequired" field is checked

Make required

myfield

+

Save

Complete storage format for the demo

```

<ac:structured-macro ac:macro-id="564ab3d6-7c49-45c5-9e17-74c492fc1828" ac:name="conform" ac:schema-version="1">
  <ac:parameter ac:name="formName">myform</ac:parameter>
  <ac:rich-text-body>
    <ac:structured-macro ac:macro-id="62cbf463-6860-4769-a16b-9dcc086910b3" ac:name="conform-entry-register"
ac:schema-version="1">
      <ac:parameter ac:name="embedded">true</ac:parameter>
      <ac:parameter ac:name="atlassian-macro-output-type">INLINE</ac:parameter>
      <ac:rich-text-body>
        <p>
          <br/>
        </p>
      </ac:rich-text-body>
    </ac:structured-macro>
    <p>
      <ac:structured-macro ac:macro-id="8c774cc4-b415-47eb-bb28-8cd31891f4ba" ac:name="conform-field-
definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">makeRequired</ac:parameter>
        <ac:parameter ac:name="fieldLabel">Make required</ac:parameter>
        <ac:parameter ac:name="type">checkbox</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <ac:structured-macro ac:macro-id="a1c484ce-abea-4ef8-a70f-41f718bd7337" ac:name="conform-field-
definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">myfield</ac:parameter>
        <ac:parameter ac:name="fieldLabel">myfield</ac:parameter>
        <ac:parameter ac:name="type">text</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <br/>
    </p>
    <ac:structured-macro ac:macro-id="c95709e3-984a-407f-b346-780d806f0542" ac:name="conform-field-definition-
rules" ac:schema-version="1">
      <ac:parameter ac:name="condition">makeRequired:true AND myfield:[empty]</ac:parameter>
      <ac:parameter ac:name="fieldName">myfield requires a value to be set when "makeRequired" field is checked<
/ac:parameter>
      <ac:parameter ac:name="action">Validation rule</ac:parameter>
    </ac:structured-macro>
    <p>
      <br/>
    </p>
  </ac:rich-text-body>
</ac:structured-macro>

```

## Extra step (optional)

We can extend this demo to have a "required asterisk" visible when the field is set to be required

Here is how.

ConfiForms has the required label rendered by adding the following "span" HTML element

```
<span style="color:red;font-weight: bolder;float: right;font-size: larger;">* </span>
```

We can set up couple of rules to add/remove this element via JavaScript

Script is quite simple

```

<script type="text/javascript">
  function makeRequired(formName, formId){
    var myFieldLabel = AJS.$('#' + formId).find('#i_labelfor_myfield');
    AJS.$(myFieldLabel).find('span').remove();
    AJS.$(myFieldLabel).append('<span style="color:red;font-weight: bolder;float: right;font-size: larger;">* <
    /span>');
  }

  function removeRequired(formName, formId){
    var myFieldLabel = AJS.$('#' + formId).find('#i_labelfor_myfield');
    AJS.$(myFieldLabel).find('span').remove();
  }
</script>

```

And you invoke it via ConfiForms Field Definition Rule called "Run custom JavaScript"

## Action to execute \*

Run custom JavaScript



Choose the action type to perform, see [more details on each action type in our documentation](#)

## JavaScript to run

makeRequired(formName, formId);

Put a valid Javascript here, which will be

Here is a complete storage format for this configuration

```

<ac:structured-macro ac:macro-id="564ab3d6-7c49-45c5-9e17-74c492fc1828" ac:name="conform" ac:schema-version="1">
  <ac:parameter ac:name="formName">myform</ac:parameter>
  <ac:rich-text-body>
    <ac:structured-macro ac:macro-id="62cbf463-6860-4769-a16b-9dcc086910b3" ac:name="conform-entry-register" ac:schema-version="1">
      <ac:parameter ac:name="embedded">true</ac:parameter>
      <ac:parameter ac:name="atlassian-macro-output-type">INLINE</ac:parameter>
      <ac:rich-text-body>
        <p>
          <br/>
        </p>
      </ac:rich-text-body>
    </ac:structured-macro>
    <p>
      <ac:structured-macro ac:macro-id="8c774cc4-b415-47eb-bb28-8cd31891f4ba" ac:name="conform-field-definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">makeRequired</ac:parameter>
        <ac:parameter ac:name="fieldLabel">Make required</ac:parameter>
        <ac:parameter ac:name="type">checkbox</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <ac:structured-macro ac:macro-id="ed13465f-eeaa-45ea-a26d-30985d6bdd93" ac:name="conform-field-definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">myfield</ac:parameter>
        <ac:parameter ac:name="fieldLabel">myfield</ac:parameter>
        <ac:parameter ac:name="type">text</ac:parameter>
      </ac:structured-macro>
    </p>
  </ac:rich-text-body>
</ac:structured-macro>

```

```

</ac:structured-macro>
</p>
<p>
<br/>
</p>
<ac:structured-macro ac:macro-id="c95709e3-984a-407f-b346-780d806f0542" ac:name="conform-field-definition-
rules" ac:schema-version="1">
<ac:parameter ac:name="condition">makeRequired:true AND myfield:[empty]</ac:parameter>
<ac:parameter ac:name="fieldName">myfield requires a value to be set when "makeRequired" field is checked</ac:
parameter>
<ac:parameter ac:name="action">Validation rule</ac:parameter>
</ac:structured-macro>
<p>
<ac:structured-macro ac:macro-id="cef33c61-81fd-4f4c-976c-390ff31f1a9f" ac:name="conform-field-definition-
rules" ac:schema-version="1">
<ac:parameter ac:name="condition">makeRequired:true</ac:parameter>
<ac:parameter ac:name="values">makeRequired(formName, formId);</ac:parameter>
<ac:parameter ac:name="action">Run custom JavaScript</ac:parameter>
<ac:parameter ac:name="actionFieldName">makeRequired</ac:parameter>
</ac:structured-macro>
</p>
<p>
<ac:structured-macro ac:macro-id="2fbf9094-c766-43c5-bd7e-2d7ce9be0c14" ac:name="conform-field-definition-
rules" ac:schema-version="1">
<ac:parameter ac:name="condition">makeRequired:false</ac:parameter>
<ac:parameter ac:name="values">removeRequired(formName, formId);</ac:parameter>
<ac:parameter ac:name="action">Run custom JavaScript</ac:parameter>
<ac:parameter ac:name="actionFieldName">makeRequired</ac:parameter>
</ac:structured-macro>
</p>
</ac:rich-text-body>
</ac:structured-macro>
<ac:structured-macro ac:macro-id="c478a814-3778-4afd-9071-d0b47d254eea" ac:name="html" ac:schema-version="1">
<ac:plain-text-body><script>
function makeRequired(formName, formId){
var myFieldLabel = AJS.$('#' + formId).find('#i_labelfor_myfield');
AJS.$(myFieldLabel).find('span').remove();
AJS.$(myFieldLabel).append('<span style="color:red;font-weight: bolder;float: right;font-size: larger;">* <
/span>');
}
function removeRequired(formName, formId){
var myFieldLabel = AJS.$('#' + formId).find('#i_labelfor_myfield');
AJS.$(myFieldLabel).find('span').remove();
}
</script><</ac:plain-text-body>
</ac:structured-macro>

```



Update: There are some built-in helper functions that you can use now [ConfiForms Field Definition Rules#RuncustomJavaScript](#)

And the **cfAddFieldRequired** being as the most appropriate here, so you dont need to write yo own function

Complete configuration

```

<ac:structured-macro ac:macro-id="564ab3d6-7c49-45c5-9e17-74c492fc1828" ac:name="conform" ac:schema-
version="1">
  <ac:parameter ac:name="formName">myform</ac:parameter>
  <ac:rich-text-body>
    <ac:structured-macro ac:macro-id="62cbf463-6860-4769-a16b-9dcc086910b3" ac:name="conform-entry-
register" ac:schema-version="1">
      <ac:parameter ac:name="embedded">true</ac:parameter>
      <ac:parameter ac:name="atlassian-macro-output-type">INLINE</ac:parameter>
      <ac:rich-text-body>
        <p>
          <br/>
        </p>
      </ac:rich-text-body>
    </ac:structured-macro>
    <p>
      <ac:structured-macro ac:macro-id="8c774cc4-b415-47eb-bb28-8cd31891f4ba" ac:name="conform-field-
definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">makeRequired</ac:parameter>
        <ac:parameter ac:name="fieldLabel">Make required</ac:parameter>
        <ac:parameter ac:name="type">checkbox</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <ac:structured-macro ac:macro-id="a1c484ce-abea-4ef8-a70f-41f718bd7337" ac:name="conform-field-
definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">myfield</ac:parameter>
        <ac:parameter ac:name="fieldLabel">myfield</ac:parameter>
        <ac:parameter ac:name="type">text</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <br/>
    </p>
    <ac:structured-macro ac:macro-id="c95709e3-984a-407f-b346-780d806f0542" ac:name="conform-field-
definition-rules" ac:schema-version="1">
      <ac:parameter ac:name="condition">makeRequired:true AND myfield:[empty]</ac:parameter>
      <ac:parameter ac:name="fieldName">myfield requires a value to be set when "makeRequired" field is
checked</ac:parameter>
      <ac:parameter ac:name="action">Validation rule</ac:parameter>
    </ac:structured-macro>
    <p>
      <ac:structured-macro ac:macro-id="d3470974-961a-4416-953f-9354711bd815" ac:name="conform-field-
definition-rules" ac:schema-version="1">
        <ac:parameter ac:name="condition">makeRequired:true AND myfield:[empty]</ac:parameter>
        <ac:parameter ac:name="values">cfAddFieldRequired(formId, 'myfield')</ac:parameter>
        <ac:parameter ac:name="action">Run custom JavaScript</ac:parameter>
        <ac:parameter ac:name="actionFieldName">makeRequired,myfield</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <ac:structured-macro ac:macro-id="12810cd7-1158-479a-a6cc-abf3a3653d94" ac:name="conform-field-
definition-rules" ac:schema-version="1">
        <ac:parameter ac:name="condition">makeRequired:false OR !myfield:[empty] OR (makeRequired:false
AND myfield:[empty])</ac:parameter>
        <ac:parameter ac:name="values">cfRemoveFieldRequired(formId, 'myfield')</ac:parameter>
        <ac:parameter ac:name="action">Run custom JavaScript</ac:parameter>
        <ac:parameter ac:name="actionFieldName">makeRequired,myfield</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <br/>
    </p>
  </ac:rich-text-body>
</ac:structured-macro>

```

