

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](#)

InsertCancel

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

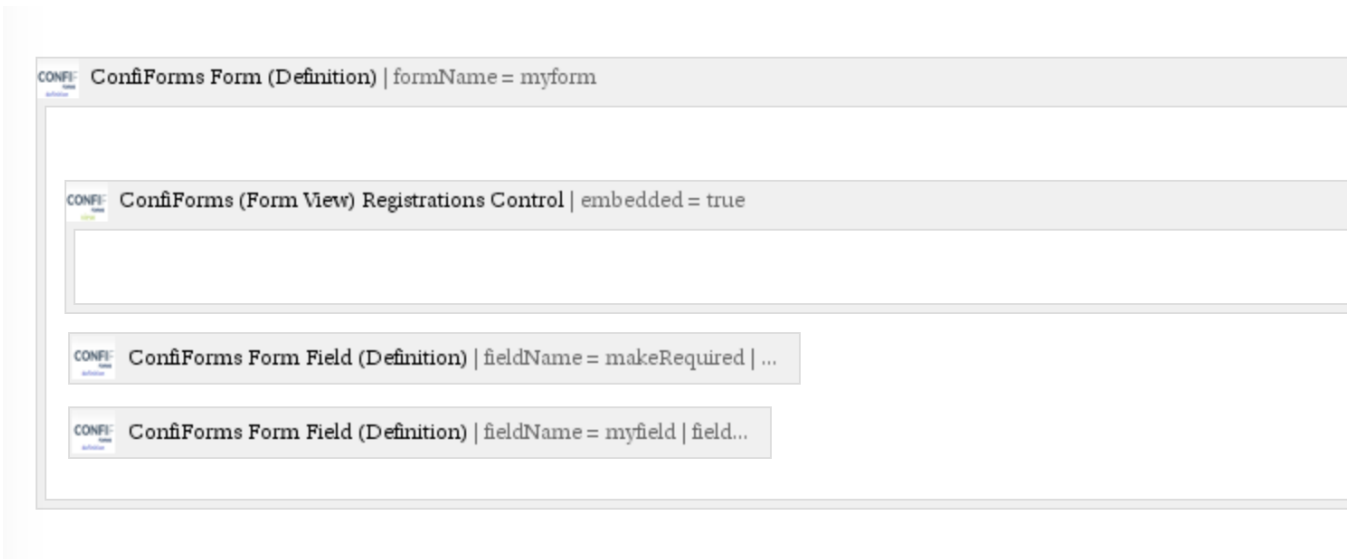
☐

myfield

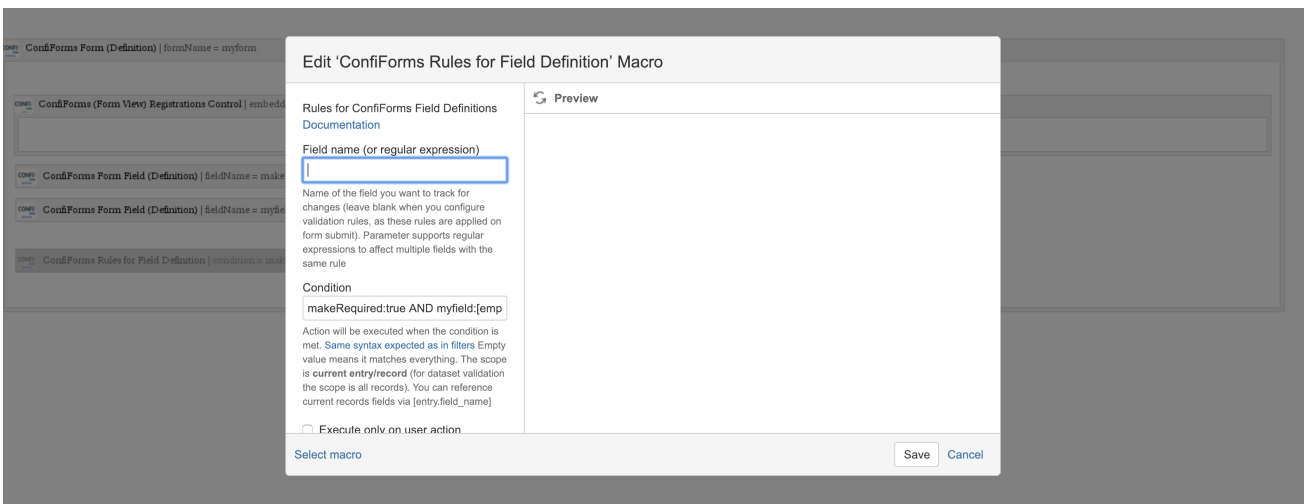
+

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>

```

