

ConfiForms Smart Multi-row - what it offers and how to use it

Smart multi-row is a new addition to ConfiForms field types and "smart fields" family in particular. This field type enables you to create master-details forms much easier than before.

It has been introduced as beta in 2.21.1 - [Release Notes#Version2.21.1](#) and as a GA in version 2.24.7 - [Release Notes#Version2.24.7](#)

As with all the "smart" fields in ConfiForms this field is about linking forms together, but with one important difference - it allows you to ADD new records into the referenced form directly and in "one go"

Here is what we mean

Consider a simple form with 2 fields named "participantsForm"

- Name (text) - required
- Mark (numeric)

And another form that we want to use as a database to store our *tests* - "testsForm"

This form will have 3 fields:

- Test name (text) - required
- Test document (file) - required
- Participants (smart multi-row linked to "participantsForm" form)

This will allow us to manage data in "participantsForm" by filling in the form in "testsForm". See below

Configuration of a "participantsForm" form

Confluence editor	Storage format
 <p>ConfiForms Form Definition formName = participantsForm</p> <p>ConfiForms Form Field Definition fieldName = Name fieldLab...</p> <p>ConfiForms Form Field Definition fieldName = Mark fieldLab...</p> <p>ConfiForms (FormView) Registrations Control</p>	<pre><ac:structured-macro ac:macro-id="5a980275-b7c8-4daa-a464-2772e73126de" ac:name="confiform" ac:schema-version="1"> <ac:parameter ac:name="formName">participantsForm</ac:parameter> <ac:rich-text-body> <p> <ac:structured-macro ac:macro-id="74824740-c126-410ea294-67ff7b66af" ac:></pre>

```
name="confiform-field-definition" ac:schema-version="1">

<ac:parameter ac:name="fieldName">Name</ac:parameter>

<ac:parameter ac:name="fieldLabel">Name</ac:parameter>

<ac:parameter ac:name="type">text</ac:parameter>
</ac:structured-macro>
</p>
<p>
<ac:structured-macro ac:macro-id="abffe50af465-4885-9620-838887290f9b" ac:name="confiform-field-definition" ac:schema-version="1">

<ac:parameter ac:name="fieldName">Mark</ac:parameter>

<ac:parameter ac:name="fieldLabel">Mark</ac:parameter>

<ac:parameter
```

```

    ac:name="type">number</ac:parameter>
    <ac:structured-macro></p>
    <ac:structured-macro ac:macro-id="bd59ea30-96e8-4f31-aa95-df2e8567c87a" ac:name="confiform-entry-register" ac:schema-version="1">
        <ac:rich-text-body>
            <p>
                <br />
            </p>
            <ac:rich-text-body>
                </ac:structured-macro>
            <ac:rich-text-body>
                </ac:structured-macro>

```

Configuration of a "testsForm"

Confluence editor	Storage format
	<ac:structured-macro ac:macro-id="7c29b98e-f2f7-4eb4-9548-792f0c424efc" ac:name="confiform" ac:schema-version="1">



```
1 ">
  <ac:
parameter
ac:name="
formName"
>testsForm
</ac:
parameter>
  <ac:
rich-text-
body>
    <p>
      <ac:
structured-
macro ac:
macro-id="
5bb451e5-
4b48-411b-
bb37-
b01032cb7f
60" ac:
name="
confiform-
field-
definition
" ac:
schema-
version="
1 ">

<ac:
parameter
ac:name="
fieldName"
>testName<
/ac:
parameter>

<ac:
parameter
ac:name="
fieldLabel
">Test
name </ac:
parameter>

<ac:
parameter
ac:name="
type"
>text</ac:
parameter>

<ac:
parameter
ac:name="
required"
>true</ac:
parameter>
  <
  /ac:
structured-
macro>
    </p>
    <p>
      <ac:
structured-
macro ac:
macro-id="
e035cc8e-
7ba3-490b-
```

```
8aee-
b54bc061d6
54" ac:
name=
confiform-
field-
definition
" ac:
schema-
version="
1">

<ac:
parameter
ac:name="
fieldName"
>testDoc<
/ac:
parameter>

<ac:
parameter
ac:name="
fieldLabel
">Test
document<
/ac:
parameter>

<ac:
parameter
ac:name="
type"
>file</ac:
parameter>

<ac:
parameter
ac:name="
required"
>true</ac:
parameter>
<
/ac:
structured
-macro>
</p>
<p>
<ac:
structured
-macro ac:
macro-id="
1165010b-
7d19-4df8-
8f38-
096f231b26
2d" ac:
name=
confiform-
field-
definition
" ac:
schema-
version="
1">

<ac:
parameter
ac:name="
fieldName"
>participa
```

```
nts</ac:  
parameter>  
  
<ac:  
parameter  
ac:name="  
fieldLabel  
>Particip  
ants</ac:  
parameter>  
  
<ac:  
parameter  
ac:name="  
values">  
[93390017:  
participan  
tsForm]  
Name,</ac:  
parameter>  
  
<ac:  
parameter  
ac:name="  
type"  
>smartmult  
irow</ac:  
parameter>  
    <  
/ac:  
structured  
-macro>  
    </p>  
    <ac:  
structured  
-macro ac:  
macro-id="  
3c9f51d5-  
1f4a-45f4-  
9226-  
70ac7dd28c  
1d" ac:  
name="  
configur-  
entry-  
register"  
ac:schema-  
version="  
1">  
    <ac:  
rich-text-  
body>  
  
    <p>  
        <br/>  
        <  
/p>  
        <  
/ac:rich-  
text-body>  
    </ac:  
structured  
-macro>  
    </ac:  
rich-text-  
body>  
    </ac:  
structured  
-macro>
```

With configuration of a "participants" smart multi-row field done like this

Edit 'ConfiForms Form Field Definit

The screenshot shows the 'Edit 'ConfiForms Form Field Definit' page. On the left, there's a configuration panel with the following fields:

- Required *
- Field type**: Smart Multi-row
- Page where the ConfiForms Form is defined**: ~sash:ConfiForms Smart Multi-rc
- Form name**: participantsForm
- Field name(s):** (List)
 - Name x
 - Mark x

A vertical scroll bar is visible on the right side of the configuration panel.

This will built as a form as follows:

Test name *

Test document * No file chosen

Participants

Name *	<input type="text"/>
Mark	<input type="text"/>
<input type="button" value="Remove"/>	
+	

Allowing us to add multiple rows for participants

Test name *

Test document * coniforms-2.25.1.obr

Participants

Name *	<input type="text" value="Alex"/>
Mark	<input type="text" value="2"/>
<input type="button" value="Remove"/>	
Name *	<input type="text" value="John"/>
Mark	<input type="text" value="3"/>
<input type="button" value="Remove"/>	
+	

Which will be stored in the "participantsForm" for us automatically and also conveniently rendered for us through the "testsForm" form

Edit	Test name	Test document	Participants
... ▾	testing	coniforms-2.25.1.oer	
			Name Alex
			Mark 2
			Name John
			Mark 3

You may use ANY number of fields for your ConfiForms Smart multi-row - and any field type, except another "smart multi-row" field. (In other words - no nesting of "smart multi-row" fields is supported at the moment)