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)

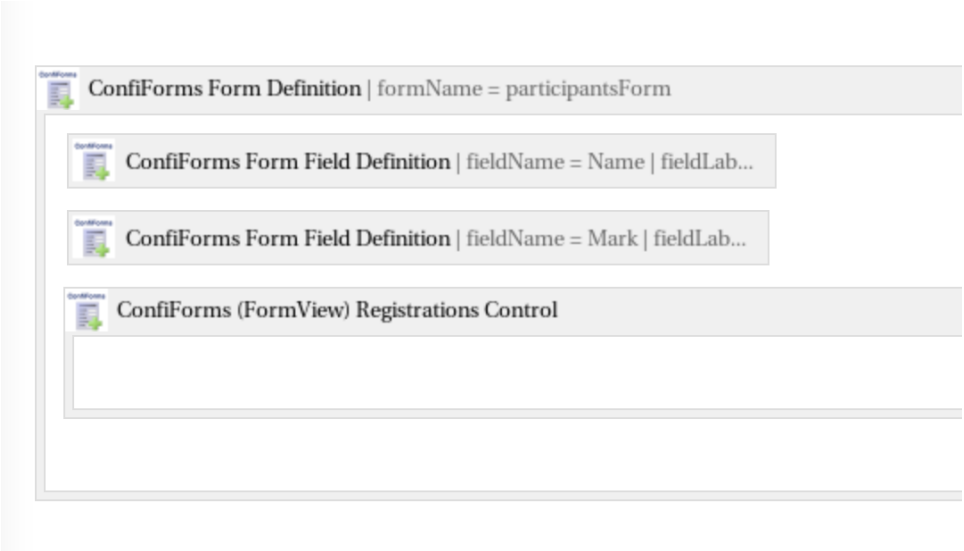
And another form that we want to use as a database to store our *tests* - "testsForm"

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
	<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-c126-410e-a294-67ff7b66afaf" ac:

```
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="
abffe50a-
f465-4885-
9620-
838887290f
9b" 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> <ac:structured-macro ac:macro-id="bd59ea30-96e8-4f31-aa95-df2e8567c87a" ac:name="confiform-entry-register" ac:schema-version="1"> <ac:rich-text-body> </ac:rich-text-body> </ac:structured-macro> </ac:rich-text-body> </ac:structured-macro>

Configuration of a "testsForm"

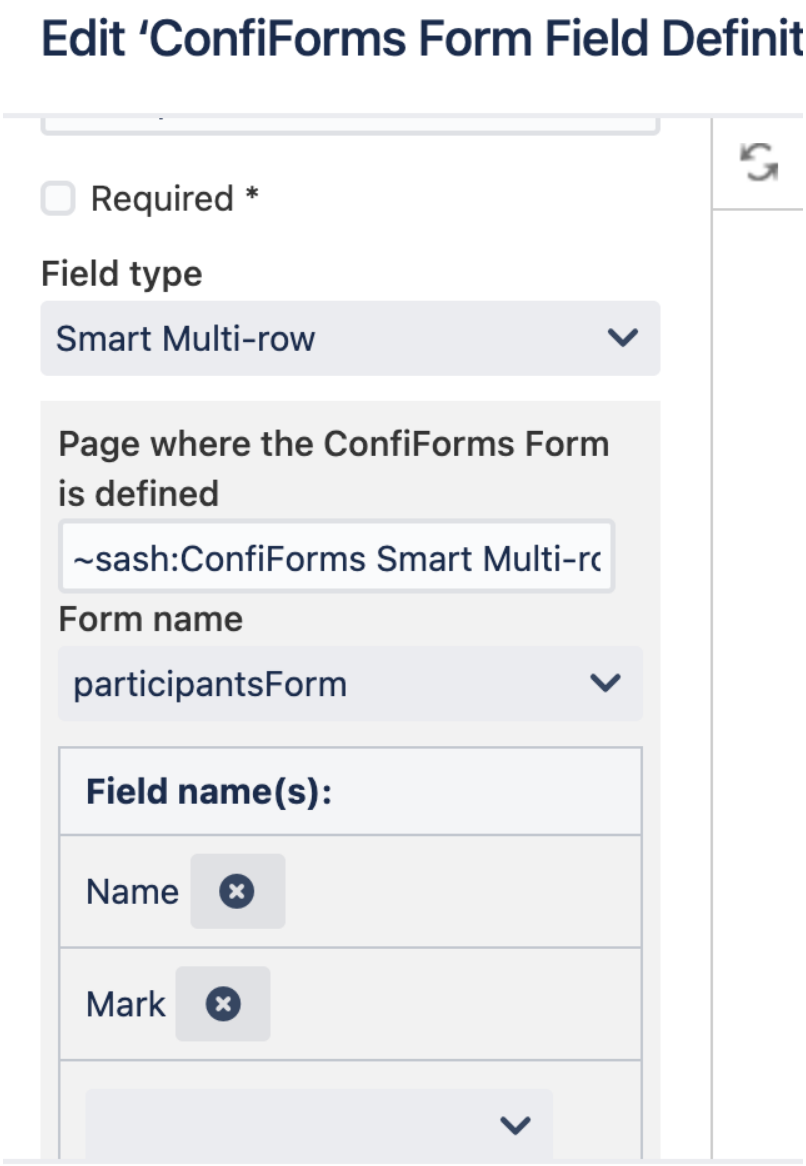
Confluence editor	Storage format
	<ac:structured-macro ac:macro-id="7c29b98e-f2f7-4eb4-9548-792f0c424efc" ac:name="confiform" ac:schema-version="

```
1">
  <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-
```

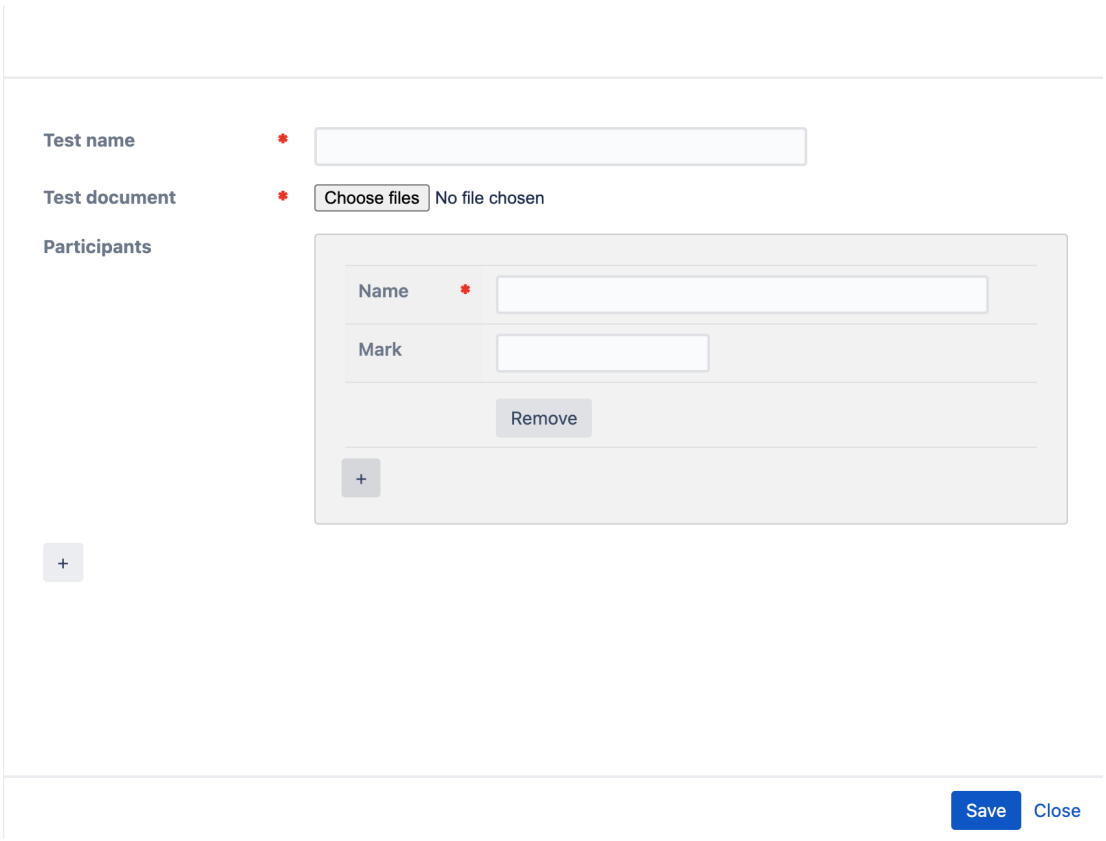
```
8aee-
b54bc061d6
54" ac:
name="
confiform-
field-
definition
" ac:
schema-
version="
1">

<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="
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>
```

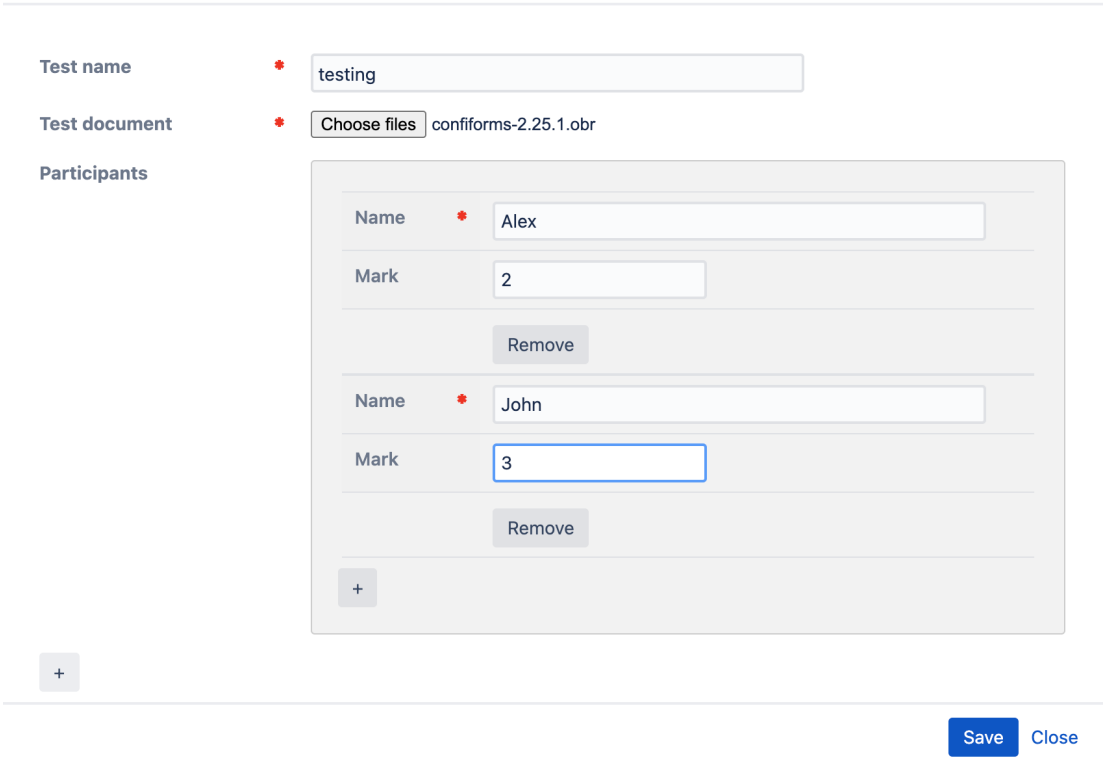
With configuration of a "participants" smart multi-row field done like this



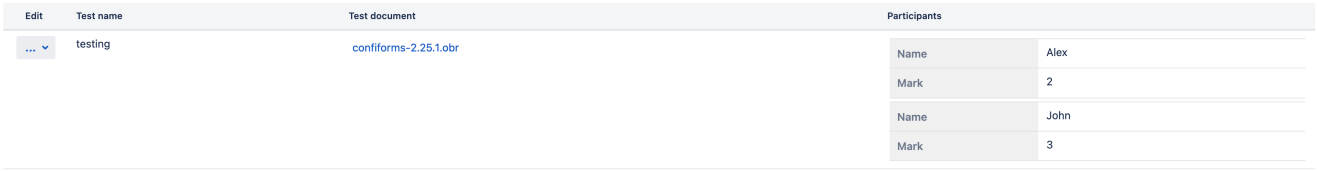
This will built as a form as follows:



Allowing us to add multiple rows for participants



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



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)