

Using ConfiForms ListView with Confluence User Macros

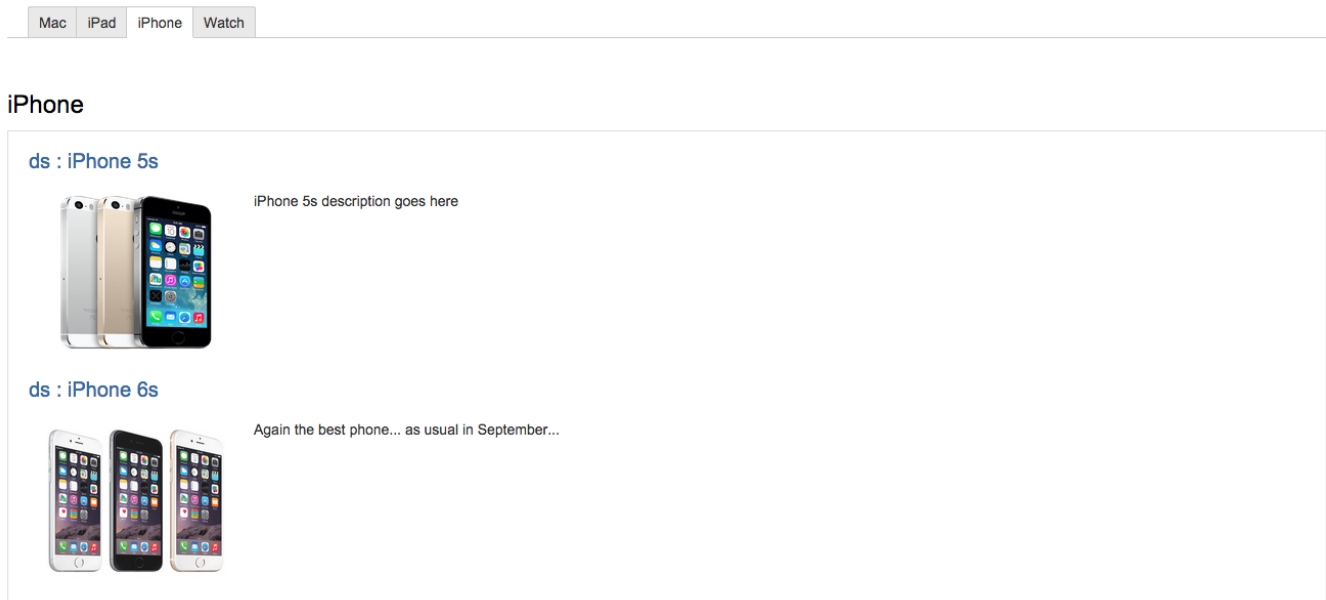


In this tutorial we will create a **tabbed view with dynamic content**. Dynamic content will be served by ConfiForms and for tabbed view we will develop a custom User macro and will use the AUI interface elements, <https://docs.atlassian.com/aui/latest/docs/tabs.html>



If you are new to ConfiForms, please take a few minutes to read the [Basic concepts](#) Guide, or go through the video tutorial on that page. 😊

The end result will look like this:



And here is how it is done.

The solution is a combination of User macro and ConfiForms ListView

Here is the **full source code for user macro**

```
## @param page:title=Page|type=confluence-content|required=true|desc=Select a page with ConfiForms products form
<div class="aui-tabs horizontal-tabs" role="application">
  <ul class="tabs-menu" role="tablist">
    <li class="menu-item active-tab" role="presentation">
      <a href="#tabs-mac" id="aui-uid-mac" role="tab" aria-selected="true"><strong>Mac</strong></a>
    </li>
    <li class="menu-item" role="presentation">
      <a href="#tabs-ipad" id="aui-uid-ipad" role="tab" aria-selected="false"><strong>iPad</strong></a>
    </li>
    <li class="menu-item" role="presentation">
      <a href="#tabs-iphone" id="aui-uid-iphone" role="tab" aria-selected="false"><strong>iPhone</strong></a>
    </li>
    <li class="menu-item" role="presentation">
      <a href="#tabs-watch" id="aui-uid-watch" role="tab" aria-selected="false"><strong>Watch</strong></a>
    </li>
  </ul>
  <div class="tabs-pane active-pane" id="tabs-mac" role="tabpanel" aria-hidden="false">
    <br/>
    <h1>Mac</h1>
    <table style="min-width: 100.0%;border: 0 !important;" class="confluenceTable tablesorter">
      <tbody>
        <tr>
          <td class="confluenceTd">
            <ac:structured-macro ac:name="confi-form-list"
              ac:schema-version="1">
              <ac:parameter ac:name="pageTitle">
                <ac:link>
```

```

        <ri:page ri:content-title="{paramPage}"/>
    </ac:link>
</ac:parameter>
<ac:parameter ac:name="formName">myProducts</ac:parameter>
<ac:parameter ac:name="filter">type:mac</ac:parameter>
<ac:rich-text-body>
    <table style="min-width: 100.0%;border: 0 !important;">
        <tr>
            <td colspan="2" style="border: 0">
                <h2>
                    <ac:structured-macro ac:name="conform-field"
                        ac:schema-version="1">
                        <ac:parameter ac:name="fieldName">title</ac:parameter>
                    </ac:structured-macro>
                </h2>
            </td>
        </tr>
        <tr>
            <td style="width:200px; min-width: 200px !important;max-width: 200px!important;border: 0">
                <ac:structured-macro ac:name="conform-field"
                    ac:schema-version="1">
                    <ac:parameter ac:name="fieldName">logo</ac:parameter>
                    <ac:parameter ac:name="css">width:200px;height:150px</ac:parameter>
                </ac:structured-macro>
            </td>
            <td style="border: 0">
                <p>
                    <ac:structured-macro ac:name="conform-field"
                        ac:schema-version="1">
                        <ac:parameter ac:name="fieldName">description</ac:parameter>
                    </ac:structured-macro>
                </p>
            </td>
        </tr>
    </table>
</ac:rich-text-body>
</ac:structured-macro>
</td>
</tr>
</table>
</div>
<div class="tabs-pane" id="tabs-ipad" role="tabpanel" aria-hidden="true">
    <br/>
    <h1>iPad</h1>
    <table style="min-width: 100.0%;border: 0 !important;" class="confluenceTable tablesorter">
        <tr>
            <td class="confluenceTd">
                <ac:structured-macro ac:name="conform-list"
                    ac:schema-version="1">
                    <ac:parameter ac:name="pageTitle">
                        <ac:link>
                            <ri:page ri:content-title="{paramPage}"/>
                        </ac:link>
                    </ac:parameter>
                    <ac:parameter ac:name="formName">myProducts</ac:parameter>
                    <ac:parameter ac:name="filter">type:ipad</ac:parameter>
                    <ac:rich-text-body>
                        <table style="min-width: 100.0%;border: 0 !important;">
                            <tr>
                                <td colspan="2" style="border: 0">
                                    <h2>
                                        <ac:structured-macro ac:name="conform-field"
                                            ac:schema-version="1">
                                            <ac:parameter ac:name="fieldName">title</ac:parameter>
                                        </ac:structured-macro>
                                    </h2>
                                </td>
                            </tr>
                            <tr>
                                <td style="width:200px; min-width: 200px !important;max-width: 200px !important;border: 0">
                                    <ac:structured-macro ac:name="conform-field"

```

```

        ac: schema-version="1">
        <ac: parameter ac: name="fieldName">logo</ac: parameter>
        <ac: parameter ac: name="css">width:200px; height:150px</ac: parameter>
        </ac: structured-macro>
    </td>
    <td style="border: 0">
        <p>
            <ac: structured-macro ac: name="conform-field"
                ac: schema-version="1">
                <ac: parameter ac: name="fieldName">description</ac: parameter>
            </ac: structured-macro>
        </p>
    </td>
</tr>
</table>
</ac: rich-text-body>
</ac: structured-macro>
</td>
</tr>
</table>
</div>
<div class="tabs-pane" id="tabs-iphone" role="tabpanel" aria-hidden="true">
    <br/>
    <h1>iPhone</h1>
    <table style="min-width: 100.0%; border: 0 !important;" class="confluenceTable tableSorter">
        <tr>
            <td class="confluenceTd">
                <ac: structured-macro ac: name="conform-list"
                    ac: schema-version="1">
                    <ac: parameter ac: name="pageTitle">
                        <ac: link>
                            <ri: page ri: content-title="{paramPage}"/>
                        </ac: link>
                    </ac: parameter>
                    <ac: parameter ac: name="formName">myProducts</ac: parameter>
                    <ac: parameter ac: name="filter">type:iphone</ac: parameter>
                    <ac: rich-text-body>
                        <table style="min-width: 100.0%; border: 0 !important;">
                            <tr>
                                <td colspan="2" style="border: 0">
                                    <h2>
                                        <ac: structured-macro ac: name="conform-field"
                                            ac: schema-version="1">
                                            <ac: parameter ac: name="fieldName">title</ac: parameter>
                                        </ac: structured-macro>
                                    </h2>
                                </td>
                            </tr>
                            <tr>
                                <td style="width:200px; min-width: 200px !important; max-width: 200px !important; border: 0">
                                    <ac: structured-macro ac: name="conform-field"
                                        ac: schema-version="1">
                                        <ac: parameter ac: name="fieldName">logo</ac: parameter>
                                        <ac: parameter ac: name="css">width:200px; height:150px</ac: parameter>
                                    </ac: structured-macro>
                                </td>
                                <td style="border: 0">
                                    <p>
                                        <ac: structured-macro ac: name="conform-field"
                                            ac: schema-version="1">
                                            <ac: parameter ac: name="fieldName">description</ac: parameter>
                                        </ac: structured-macro>
                                    </p>
                                </td>
                            </tr>
                        </table>
                    </ac: rich-text-body>
                </ac: structured-macro>
            </td>
        </tr>
    </table>
</div>

```

```

</div>
<div class="tabs-pane" id="tabs-watch" role="tabpanel" aria-hidden="true">
  <br/>
  <h1>Watch</h1>
  <table style="min-width: 100.0%;border: 0 !important;" class="confluenceTable tablesorter">
    <tr>
      <td class="confluenceTd">
        <ac:structured-macro ac:name="coniform-list"
          ac:schema-version="1">
          <ac:parameter ac:name="pageTitle">
            <ac:link>
              <ri:page ri:content-title="{paramPage}"/>
            </ac:link>
          </ac:parameter>
          <ac:parameter ac:name="formName">myProducts</ac:parameter>
          <ac:parameter ac:name="filter">type:watch</ac:parameter>
          <ac:rich-text-body>
            <table style="min-width: 100.0%;border: 0 !important;">
              <tr>
                <td colspan="2" style="border: 0">
                  <h2>
                    <ac:structured-macro ac:name="coniform-field"
                      ac:schema-version="1">
                      <ac:parameter ac:name="fieldName">title</ac:parameter>
                    </ac:structured-macro>
                  </h2>
                </td>
              </tr>
              <tr>
                <td style="width:200px; min-width: 200px !important;max-width: 200px !important;border: 0">
                  <ac:structured-macro ac:name="coniform-field"
                    ac:schema-version="1">
                    <ac:parameter ac:name="fieldName">logo</ac:parameter>
                    <ac:parameter ac:name="css">width:200px;height:150px</ac:parameter>
                  </ac:structured-macro>
                </td>
                <td style="border: 0">
                  <p>
                    <ac:structured-macro ac:name="coniform-field"
                      ac:schema-version="1">
                      <ac:parameter ac:name="fieldName">description</ac:parameter>
                    </ac:structured-macro>
                  </p>
                </td>
              </tr>
            </table>
          </ac:rich-text-body>
        </ac:structured-macro>
      </td>
    </tr>
  </table>
</div>
</div>

```

And **the storage format for the page** where we use this user macro and where we also have a form configured (please note that the form could be configured in any other page, does not have to be on the same page where it is used)

```

<ac:structured-macro ac:macro-id="07106609-1469-4d58-9506-c69091b7cf66" ac:name="conform" ac:schema-version="1">
  <ac:parameter ac:name="formName">myProducts</ac:parameter>
  <ac:parameter ac:name="registrationFormTitle">Register new product</ac:parameter>
  <ac:rich-text-body>
    <p>
      <ac:structured-macro ac:macro-id="39f22f01-80b1-4e4a-96b9-5c08be429d00" ac:name="conform-field-definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">logo</ac:parameter>
        <ac:parameter ac:name="fieldLabel">Logo</ac:parameter>
        <ac:parameter ac:name="fieldDescription">Image of 300px width max</ac:parameter>
        <ac:parameter ac:name="type">file</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <ac:structured-macro ac:macro-id="c9bfa47d-e7df-4252-94bc-55b053ff1355" ac:name="conform-field-definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">title</ac:parameter>
        <ac:parameter ac:name="fieldLabel">Title</ac:parameter>
        <ac:parameter ac:name="type">page</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <ac:structured-macro ac:macro-id="0db79b00-ab74-4978-8318-324ca9097ccc" ac:name="conform-field-definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">type</ac:parameter>
        <ac:parameter ac:name="fieldLabel">Type</ac:parameter>
        <ac:parameter ac:name="values">false[mac=Mac|ipad=iPad|iphone=iPhone|watch=Watch|]</ac:parameter>
        <ac:parameter ac:name="type">select</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <ac:structured-macro ac:macro-id="688ee4cb-5367-4a71-8651-2b6753562e45" ac:name="conform-field-definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">description</ac:parameter>
        <ac:parameter ac:name="fieldLabel">Description</ac:parameter>
        <ac:parameter ac:name="type">textarea</ac:parameter>
      </ac:structured-macro>
    </p>
    <p> <ac:structured-macro ac:macro-id="2bf091f1-989b-47ef-8033-61d699c548db" ac:name="conform-entry-register" ac:schema-version="1">
      <ac:parameter ac:name="registrationButtonLabel">Register New Product</ac:parameter>
      <ac:parameter ac:name="atlassian-macro-output-type">INLINE</ac:parameter>
      <ac:rich-text-body>
        <p> </p>
      </ac:rich-text-body>
    </ac:structured-macro>
  </p>
  <ac:structured-macro ac:macro-id="e5ca7d43-2cce-40b4-abeb-e2a4678ed0b8" ac:name="our-products-showcase" ac:
  schema-version="1">
    <ac:parameter ac:name="page">
      <ac:link/>
    </ac:parameter>
    <ac:parameter ac:name="atlassian-macro-output-type">INLINE</ac:parameter>
    <ac:rich-text-body>
      <p> </p>
    </ac:rich-text-body>
  </ac:structured-macro>
</p>

```

Let's start with the form configuration, it is a simple form with just 4 fields

- field to store Logo (type "File")
- field to store Title (type "Page") <- this is a link to some product page we have in our Confluence
- field to store Type, we have defined 4 product types for this demo: mac, ipad, iphone, watch

- field to store product Description, just a textarea here (we can put a wysiwyg editor here if we want to of course)

Looks like this:

Register new product

Logo

Choose FilesNo file chosen

Image of 300px width max

Title

Type

Description

+

SaveClose

Pretty simple form, nothing unusual. Here is how it looks in editor:

CONF: Confiforms Form | formName = myProducts | registrationFormTitle = Register new product

CONF: Confiforms Field Definition | fieldName = logo | fieldLab...

CONF: Confiforms Field Definition | fieldName = title | fieldLa...

CONF: Confiforms Field Definition | fieldName = type | fieldLab...

CONF: Confiforms Field Definition | fieldName = description | f...

CONF: Confiforms Registration Control | registrationButtonLabel = Register New Product

Now let's proceed with custom user macro, learn more about Confluence user macros here: <https://confluence.atlassian.com/doc/user-macro-template-syntax-223906130.html>

CONFIGURATION

General Configuration

Further Configuration

Backup Administration

Manage Referrers

Source Editor

Languages

Shortcut Links

External Gadgets

Global Templates and Blueprints

Import Templates

Recommended Updates Email

Mail Servers

User Macros

In-app Notifications

HipChat Integration

Attachment Storage

Spam Prevention

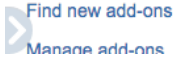
PDF Export Language Support

Configure Code Macro

Office Connector

WebDAV Configuration

ATLASSIAN MARKETPLACE



Edit User Macro

Macro Browser Information

Macro Name*

Macro names are converted to lower case

Visibility ☒ Visible to all users in the Macro Browser
☐ Visible only to system administrators in the Macro Browser

Macro Title*

Description

Categories

Administration
Communication
Confluence content
Development
External content

Icon URL

Absolute URL (e.g. <http://mysite.com/myimage.png>), or relative to the Confluence base URL (e.g. /images/logo/confluence_48_white.png)

Documentation URL

Definition of User Macro

Macro Body ☐ No macro body
Processing ☐ Escaped
☐ Unrendered

You should use this option for bodies that are processed within the template before being output. Ensure that HTML is ultimately output by the template.

☒ Rendered

And as macro body content we put the one attached earlier to this tutorial.



Please note that macro body processing must be set to **Rendered**

Some important bits about user macro body:

- We define the parameter to ask for the page where our ConfiForms Form is located

```
## @param page:title=Page|type=confluence-content|required=true|desc=Select a page with ConfiForms products form
```

And then using the AUI layout for tabs, <https://docs.atlassian.com/aui/latest/docs/tabs.html>, put the necessary tags and styles

The important bit is how and what we put into tab body. Let's see it in more details:

```

<h1>Mac</h1>
<table style="min-width: 100.0%;border: 0 !important;" class="confluenceTable tableSorter">
  <tbody>
    <tr>
      <td class="confluenceTd">
        <ac:structured-macro ac:name="conform-list"
          ac:schema-version="1">
          <ac:parameter ac:name="pageTitle">
            <ac:link>
              <ri:page ri:content-title="{paramPage}"/>
            </ac:link>
          </ac:parameter>
          <ac:parameter ac:name="formName">myProducts</ac:parameter>
          <ac:parameter ac:name="filter">type:mac</ac:parameter>
          <ac:rich-text-body>
            <table style="min-width: 100.0%;border: 0 !important;">
              <tr>
                <td colspan="2" style="border: 0">
                  <h2>
                    <ac:structured-macro ac:name="conform-field"
                      ac:schema-version="1">
                      <ac:parameter ac:name="fieldName">title</ac:parameter>
                    </ac:structured-macro>
                  </h2>
                </td>
                <td style="width:200px; min-width: 200px !important;max-width: 200px!important;border: 0">
                  <ac:structured-macro ac:name="conform-field"
                    ac:schema-version="1">
                    <ac:parameter ac:name="fieldName">logo</ac:parameter>
                    <ac:parameter ac:name="css">width:200px;height:150px</ac:parameter>
                  </ac:structured-macro>
                </td>
                <td style="border: 0">
                  <p>
                    <ac:structured-macro ac:name="conform-field"
                      ac:schema-version="1">
                      <ac:parameter ac:name="fieldName">description</ac:parameter>
                    </ac:structured-macro>
                  </p>
                </td>
              </tr>
            </table>
          </ac:rich-text-body>
        </ac:structured-macro>
      </td>
    </tr>
  </tbody>
</table>
</div>

```

Take a look at row 6, we add a storage format for ConfiForms ListView, referencing our form and page (given as parameter)

Inside we have an HTML table which has 2 rows, one row with just one column spanning 2 columns to show the title and the next row has 2 columns, one for logo, showing the picture, and another for description

On row 20 we have a ConfiForms field macro which references a form field named "logo" and this will render as image.

On rows 29 and 37 you will find another declaration of ConfiForms Fields referencing "title" field and referencing "description" field.

As title field is of type "Page" it will be rendered as a link to Confluence Page.

Description field is a usual Textarea field, and is rendered as simple text (but respecting line brakes)

Here is how you can use User Macros and ConfiForms together to build very custom solutions

If you have questions, as usual, ping us at [vertuna\(at\)vertuna.com](mailto:vertuna(at)vertuna.com)

