



# Using and configuring ConfiForms Dynamic Filter Control

 In this tutorial we will demonstrate how to use a new feature of ConfiForms to construct dynamic filters over your stored data. The macro is called ConfiForms Dynamic Filter

 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. 😊

As usual, let's start with a simple form. The form will have 3 fields

| Field label       | Field name      | Type              |
|-------------------|-----------------|-------------------|
| My Text Field     | mytffield       | text              |
| My Dropdown Field | mydropdownfield | advanced dropdown |
| My Text Area      | mytextarea      | textarea          |

CONFI: ConfiForms Form | formName = f

CONFI: ConfiForms Field Definition | fieldName = mytffield | fie...

CONFI: ConfiForms Field Definition | fieldName = mydropdownfield...

CONFI: ConfiForms Field Definition | fieldName = mytextarea | fi...

CONFI: ConfiForms Registration Control

Storage format

```

<ac:structured-macro ac:macro-id="45a7667b-79d4-4896-9830-705af8285cb8" ac:name="conform" ac:schema-version="
1">
  <ac:parameter ac:name="formName">f</ac:parameter>
  <ac:rich-text-body>
    <p>
      <ac:structured-macro ac:macro-id="580584ec-6e33-4fb0-bc98-8f50d55cfd01" ac:name="conform-field-
definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">mytfffield</ac:parameter>
        <ac:parameter ac:name="fieldLabel">My Text Field</ac:parameter>
        <ac:parameter ac:name="type">text</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <ac:structured-macro ac:macro-id="2a7dd6b1-30c4-4602-91eb-8753d391ddc1" ac:name="conform-field-
definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">mydropdownfield</ac:parameter>
        <ac:parameter ac:name="fieldLabel">My Dropdown Field</ac:parameter>
        <ac:parameter ac:name="values">>false[1=one|2=two|3=three|4=four|]</ac:parameter>
        <ac:parameter ac:name="type">select2</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <ac:structured-macro ac:macro-id="7399797b-9c13-461b-a8eb-3a763673d5b3" ac:name="conform-field-
definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">mytextarea</ac:parameter>
        <ac:parameter ac:name="fieldLabel">My TextArea</ac:parameter>
        <ac:parameter ac:name="type">textarea</ac:parameter>
      </ac:structured-macro>
      <ac:structured-macro ac:macro-id="746fdd65-348b-4c8c-be60-b48044c67761" ac:name="conform-entry-
register" ac:schema-version="1">
        <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:rich-text-body>
</ac:structured-macro>

```

Something like this

## Registration

My Text Field

My Dropdown Field

▼

🔍

one

two

three

four

My TextArea




Save Close

We will add some records into the form

| My Text Field  | My Dropdown Field | My TextArea                            |
|----------------|-------------------|--|
| Something else | four              |  |
| Record #2      | two               | no comments to this                    |
| This is one    | one               | ConfiForms is number #1<br>add-on! :-) |

Now it is time to bring in the *ConfiForms Form Filter Control* macro

Here is the macro, with the default settings it takes all the fields from the form and present them in a card view. You can easily change the layout of this, see below


 The macro has been renamed from ConfiForms Dynamic Filter Control to **ConfiForms Form Filter Control** macro

{ filter

Macro suggestions



ConfiForms Form **Filter** Control

 ConfiForms Form Filter Control macro supports custom layouts. If you wish to have a **free text search with custom layout** then add a ConfiForms Field macro inside the Filter Control macro body and set it's field name parameter to \*  
(wildcard)

My Text Field

My Dropdown Field

My TextArea

Filter

But it does not work without a "view"... without "views" macros, such as CalendarView, ListView, TableView or CardView.

Trying to use it without a view will result in a warning message

Filter

Could not find a ConfiForms view macro to apply the filter. Make sure you have ConfiForms ListView, CalendarView or TableView/CardView on the same page (showing the data from the same form); and for **TableView/CardView** you have **enabled filter support**.

So we need a "view"

We will use the default ConfiForms TableView

CONFI: ConfiForms Dynamic Filter Control | formName = f

CONFI: ConfiForms TableView | formName = f

CONFI: ConfiForms Field | fieldName = mytffield

CONFI: ConfiForms Field | fieldName = mydropdownfield

CONFI: ConfiForms Field | fieldName = mytextareafield

However, for TableView and CardView you **\*MUST\*** enable support for filter in macro properties

## Edit 'ConfiForms TableView' Macro

No limit when is blank

☐ Enable instant search field over the table data

☒ Enable support for ConfiForms Filter Control  
Resulting table will be wrapped into a container which ConfiForms Filter Control will be able to find and filter

Pagination

Select number of records per page

☐ Enable export  
ConfiForms data in CSV, XLS, XML and JSON format

Comma separated list of fields to export

Preview

### Visible only in PREVIEW



Configuration helper for ListViews, TableViews, CardViews, PlainView, CalendarViews and Registration Control macros  
[Show](#)

| My Text Field  | My Dropdown Field |
|----------------|-------------------|
| This is one    | one               |
| Record #2      | two               |
| Something else | four              |

Select macro

Save

Cancel

Now we can use the filter

My Text Field

My Dropdown Field

two

My TextArea

Filter

| My Text Field | My Dropdown Field |
|---------------|-------------------|
| Record #2     | two               |



Very important note:

You have to set the type of view used with this filter in Dynamic Filter macro. We have not done it, because the default mode is "table"

But this setting in ConfiForms Dynamic Filter macro must reflect what type of view macro you are trying to use with this filter

(name of the form and page where the form is located must match in "view" and in filter)

Edit 'ConfiForms Dynamic Filter Control' Macro

Label for Reset button

Reset

Set values as key=value pairs, separated by & (as request parameters)

Where 'key' is ConfiForms Field name and 'value' is the value you want to preset. You can reference current user details using: [user.name], [user.fullName] or [user.email]

Link this filter to

table

Macro will try to find this type of view macro which also is connected to the same page and form. For TableView and CardView macros you will need to enable backward support additionally

Preview

Visible only in PREVIEW



Configuration helper for ListViews, TableViews, CardViews, PlainView, CalendarViews and Registration Control macros

Show

My Text Field

My Dropdown Field

My TextArea

Select macro

Save

Car

Here is an example using the Dynamic filter with custom layout and using it together with a ListView

CONFID: ConfiForms Dynamic Filter Control | formName = f | filterFor = list

Select TYPE:

CONFID: ConfiForms Field | fieldName = mydropdownfield

CONFID: ConfiForms ListView | formName = f | enableFilterSupport = true

CONFID: ConfiForms Field | fieldName = mytextfield

CONFID: ConfiForms Field | fieldName = mydropdownfield

**i** Info

CONFID: ConfiForms Field | fieldName = mytextarea

1. We have put ConfiForms Field macro inside the Dynamic Filter to force own layout and use only the fields we want
2. We Enabled Filter for "list" (listview) in Dynamic Filter
3. We created ListView with custom layout (ListView and CalendarView do not require filter support to be explicitly set, it is there by default. In TableView and CardView it is off by default to support clean tables and compatibility with Confluence Chart macro)

Here is how it looks like on the page

Select TYPE: one

Filter

This is one

one

**i** ConfiForms is number #1  
add-on! :-)

Thank you for your time and reading this far. The tutorial now ends, but there is a bit more to explore in Dynamic Filter macro, such as:

- You can reduce the number of choices in dropdown fields (and all other choice-enabled fields) to show only available values
- When you enable inline search on "views" you will actually see what filter is used to filter
- You can set "views" to show nothing initially (useful for large dataset). To do this you need to write some filter which will not match anything. One suggestion is to use internal field `_today` and compare it against 0

`_today < 0`

Which is always false, as `_today` holds the current timestamp

More about filter can be found here: [ConfiForms Filters](#)

- You can add a form reset button (setting in Dynamic Filter macro) to ease the clean up of fields to start over