

Advanced aggregations and calculations with TableView Merger

This should be a detailed tutorial one day... but as we have very hectic times, I will quickly put a cookbook page showing the techniques which can be used with TableView Merger

We use here:

- CONCAT function to concatenate values from 2 fields together and show it in one column
- We count (group by) by one field but use another as calculation input. See example below (which groups by "status" field which has value 1 and uses [entry.timeestimate] field value for calculations)

```
Draft: ([count_status=1]*[entry.timeestimate])
```

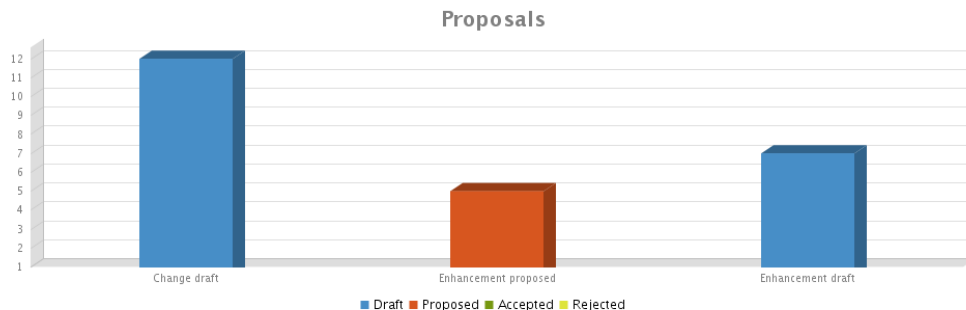
- Important detail on how to group the rows (as we can only group by field values, not by expressions. That is why a table used to draw a chart has 2 fields: proposalType and status to enable correct grouping)
- Chart does not use the columns used for grouping, see source code below to see how it is configured

The end result is something like this:

[Register](#) [Form: Proposals](#)

with concat func

Proposal type	Status	Proposal and Status	Draft	Proposed	Accepted	Rejected
Change	draft	Change draft	12	0	0	0
Enhancement	proposed	Enhancement proposed	0	5	0	0
Enhancement	draft	Enhancement draft	7	0	0	0



And that is build from the following dataset

[Register](#) [Form: Proposals](#)

Time estimate	Proposal type	Status	
7	Enhancement	draft	Edit Delete
3	Enhancement	proposed	Edit Delete
2	Enhancement	proposed	Edit Delete
12	Change	draft	Edit Delete

So, we have a form

Proposals

Time estimate *

in days

Proposal type *

Status *

+

Save

Close

And the solution uses groping by 2 fields, proposalType and status, have these fields also as TableView Merger Field column defined like this

```
Proposal and Status:(CONCAT("[entry.proposalType.label] ", "[entry.status.label]"))
```

Which reads as: create a column by concatenating the values of 2 fields (we take labels from dropdowns here)

This field (expression) is used to have a field in the table and use it as input for the chart macro



More details coming soon... If you need help please send a message to use using our contact form

Ask us here

```
<ac:structured-macro ac:macro-id="a7e0bcd8-8980-4b37-8321-1949ef1613ff" ac:name="conform" ac:schema-version="1">
  <ac:parameter ac:name="formName">Proposals</ac:parameter>
  <ac:parameter ac:name="registrationFormTitle">Proposals</ac:parameter>
  <ac:rich-text-body>
    <p>
      <br/>
      <ac:structured-macro ac:macro-id="f84518eb-5ec2-4cab-ab37-d0b39b064d64" ac:name="conform-field-definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">timeestimate</ac:parameter>
        <ac:parameter ac:name="fieldLabel">Time estimate</ac:parameter>
        <ac:parameter ac:name="fieldDescription">in days</ac:parameter>
        <ac:parameter ac:name="type">number</ac:parameter>
        <ac:parameter ac:name="required">true</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <ac:structured-macro ac:macro-id="dcea1b82-f2a2-4647-8b07-4a893bcab9b2" ac:name="conform-field-definition" ac:schema-version="1">
        <ac:parameter ac:name="fieldName">proposalType</ac:parameter>
        <ac:parameter ac:name="fieldLabel">Proposal type</ac:parameter>
        <ac:parameter ac:name="values">>false[enh=Enhancement|fix=Process fix|cha=Change|]</ac:parameter>
        <ac:parameter ac:name="extras">label;false</ac:parameter>
        <ac:parameter ac:name="type">select</ac:parameter>
        <ac:parameter ac:name="required">true</ac:parameter>
      </ac:structured-macro>
    </p>
  </ac:rich-text-body>
</ac:structured-macro>
```

```

<p>
  <ac:structured-macro ac:macro-id="11d94001-9899-4dd3-a47f-6afd24c24584" ac:name="confiorm-field-
definition" ac:schema-version="1">
    <ac:parameter ac:name="fieldName">status</ac:parameter>
    <ac:parameter ac:name="fieldLabel">Status</ac:parameter>
    <ac:parameter ac:name="values">>false[1=draft|2=proposed|3=accepted|4=refused|]</ac:parameter>
    <ac:parameter ac:name="extras">id;false</ac:parameter>
    <ac:parameter ac:name="type">select</ac:parameter>
    <ac:parameter ac:name="required">>true</ac:parameter>
  </ac:structured-macro>
  <ac:structured-macro ac:macro-id="bd7f9ed1-c4fb-4866-9fbd-84cf140d58e9" ac:name="confiorm-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>
<p> </p>
</ac:rich-text-body>
</ac:structured-macro>
<p> </p>
<p>with concat func</p>
<ac:structured-macro ac:macro-id="3afeec43-c528-4233-80d4-3307b4252445" ac:name="confiorm-table-merger" ac:
schema-version="1">
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      <ac:structured-macro ac:macro-id="64dfa1fd-fd0d-4b54-8605-41d476bd72d4" ac:name="confiorm-field" ac:
schema-version="1">
        <ac:parameter ac:name="fieldName">proposalType</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
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schema-version="1">
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schema-version="1">
        <ac:parameter ac:name="fieldName">Proposal and Status:(CONCAT("[entry.proposalType.label] ","[entry.
status.label]"))</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
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schema-version="1">
        <ac:parameter ac:name="fieldName">Draft:([count_status=1]*[entry.timeestimate])</ac:parameter>
      </ac:structured-macro>
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    <p>
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schema-version="1">
        <ac:parameter ac:name="fieldName">Proposed:([count_status=2]*[entry.timeestimate])</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
      <ac:structured-macro ac:macro-id="2bae0c3a-4ee9-424f-92b2-df5b8615a61c" ac:name="confiorm-field" ac:
schema-version="1">
        <ac:parameter ac:name="fieldName">Accepted:([count_status=3]*[entry.timeestimate])</ac:parameter>
      </ac:structured-macro>
    </p>
    <p>
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schema-version="1">
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    </p>
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version="1">
      <ac:parameter ac:name="formName">Proposals</ac:parameter>

```

```

        <ac:rich-text-body> </ac:rich-text-body>
    </ac:structured-macro>
</ac:rich-text-body>
</ac:structured-macro>
<p> </p>
<p> </p>
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    <ac:parameter ac:name="3D">true</ac:parameter>
    <ac:parameter ac:name="orientation">vertical</ac:parameter>
    <ac:parameter ac:name="stacked">true</ac:parameter>
    <ac:parameter ac:name="columns">3, 4, 5, 6, 7</ac:parameter>
    <ac:parameter ac:name="width">950</ac:parameter>
    <ac:parameter ac:name="rangeAxisLowerBound">1</ac:parameter>
    <ac:parameter ac:name="dataOrientation">vertical</ac:parameter>
    <ac:parameter ac:name="title">Proposals</ac:parameter>
    <ac:parameter ac:name="type">bar</ac:parameter>
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schema-version="1">
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schema-version="1">
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                    </ac:structured-macro>
                </p>
                <p>
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schema-version="1">
                        <ac:parameter ac:name="fieldName">status</ac:parameter>
                    </ac:structured-macro>
                </p>
                <p>
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schema-version="1">
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status.label]"))</ac:parameter>
                    </ac:structured-macro>
                </p>
                <p>
                    <ac:structured-macro ac:macro-id="e6ecef6-dab8-495a-90d1-43d340e47f34" ac:name="conform-field" ac:
schema-version="1">
                        <ac:parameter ac:name="fieldName">Draft: ([count_status=1]*[entry.timeestimate])</ac:parameter>
                    </ac:structured-macro>
                </p>
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                    <ac:structured-macro ac:macro-id="a16dd3ba-9691-4deb-9cb0-e738927ba7bd" ac:name="conform-field" ac:
schema-version="1">
                        <ac:parameter ac:name="fieldName">Proposed: ([count_status=2]*[entry.timeestimate])</ac:parameter>
                    </ac:structured-macro>
                </p>
                <p>
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schema-version="1">
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                    </ac:structured-macro>
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schema-version="1">
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schema-version="1">
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                    <ac:rich-text-body> </ac:rich-text-body>
                </ac:structured-macro>
            </ac:rich-text-body>
        </ac:structured-macro>
    </ac:rich-text-body>

```

```

</ac:structured-macro>
<p> </p>
<p>proposals and status separately</p>
<p> </p>
<ac:structured-macro ac:macro-id="fbeeafa9-0cd1-4f9c-af9c-6ea3f5fa6e2b" ac:name="confiorm-table-merger" ac:
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        <ac:parameter ac:name="fieldName">proposalType</ac:parameter>
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schema-version="1">
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      </ac:structured-macro>
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schema-version="1">
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schema-version="1">
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version="1">
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      <ac:rich-text-body> </ac:rich-text-body>
    </ac:structured-macro>
  </ac:rich-text-body>
</ac:structured-macro>

```