

# Form Aware Value RelationWidget

## Description

This is a core-enhancement QGIS plugin that allow the implementation of complex dynamic filters in QGIS attribute forms.

This widget can be used to implement drill-down forms, where the values available in one field depend on the values of other fields.

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## Implementation

It is essentially a clone of the core "Value Relation" plugin with some important differences:

When the widget is created:

- the whole unfiltered features of the related layer are loaded and cached
- the form values of all the attributes are added to the context (see below)
- the filtering against the expression happens every time the widget is refreshed
- a signal is bound to the form changes and if the changed field is present in the filter expression, the features are filtered against the expression and the widget is refreshed

## Using form values in the expression

A new expression function is available (in the "Custom" section):

```
CurrentFormValue( 'FIELD_NAME' )
```

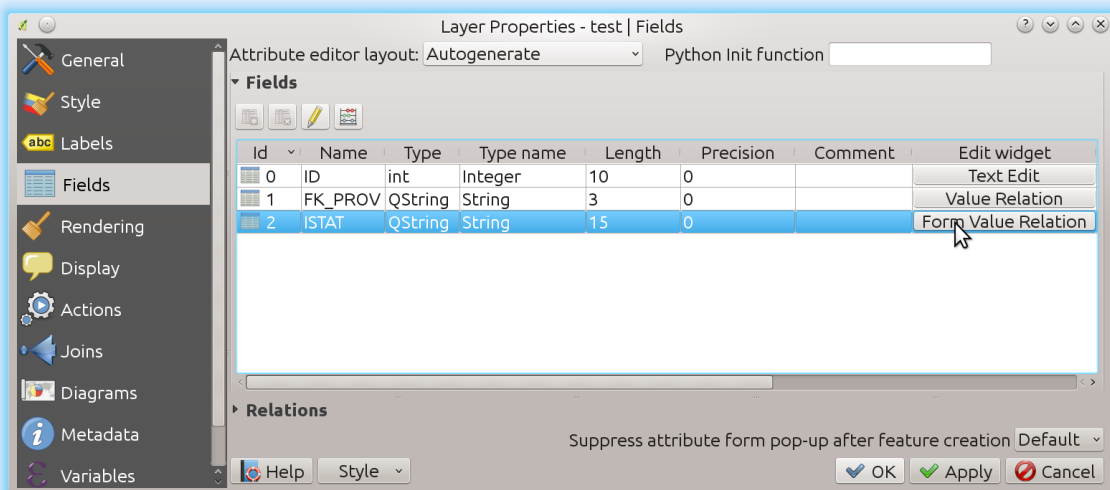
This function returns the current value of a field in the editor form.

## Notes:

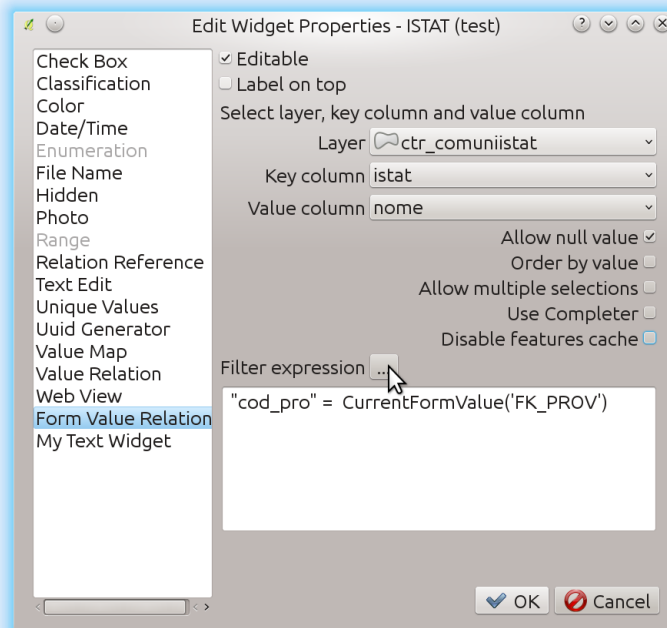
1. This function can only be used inside forms and it's particularly useful when used together with the custom widget *Form Value Relation*
2. If the field does not exists the function returns an empty string.

## Visual guide

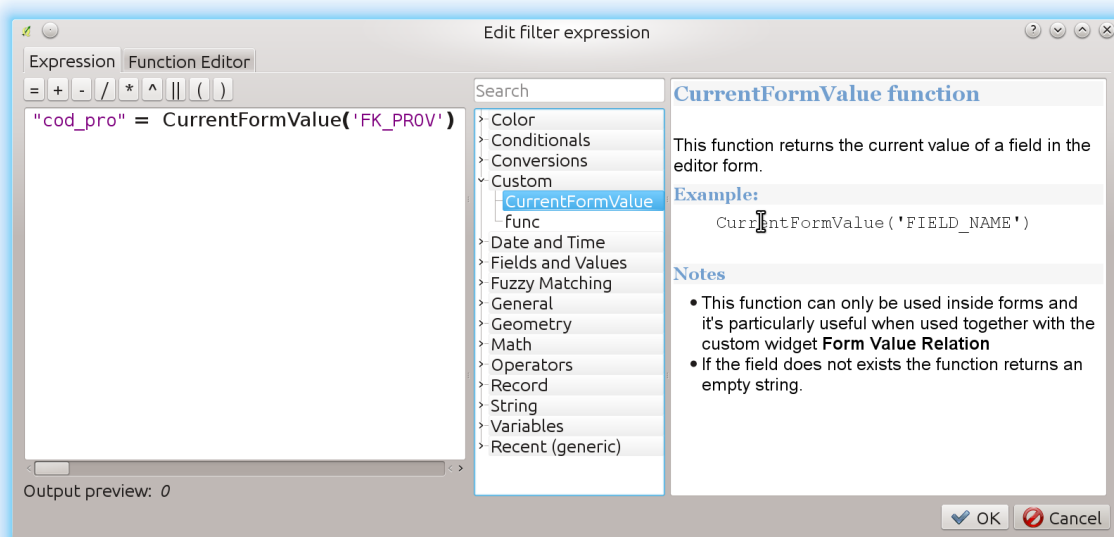
After plugin installation, you should see a new widget type available, choose the Form Value Relation widget



Configure the layers and fields and the expression:



Configure the expression using the CurrentFormValue function:



Enjoy the drill-down!

