

## QGIS Application - Feature request #16040

### Filter relation reference widget by expressions

2017-01-05 06:07 AM - Regis Haubourg

<b>Status:</b>	Open	<b>Resolution:</b> <b>Copied to github as #:</b> 23955
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Forms	
<b>Pull Request or Patch supplied:</b>	No	
<b>Easy fix?:</b>	No	
<b>Description</b>		
<p>Relation reference widget does not allow to spatially filter potential related features. (that widget [<a href="https://issues.qgis.org/attachments/9427/emeded_form_relationreferenz.jpg">https://issues.qgis.org/attachments/9427/emeded_form_relationreferenz.jpg</a>]) )</p> <p>Filtering by expression instead of simple fields would allow to call functions such as</p> <pre>intersects( \$geometry , geomFromWKT( \$current_canvas_extent ))</pre> <p>That would allow a dropdown list reduced to a few neighbouring features. Currently it loads the whole layer, and can kill QGIS.</p> <p>a native checkbox to filter by canvas would be also good for average users</p>		
<b>Related issues:</b>		
Related to QGIS Application - Bug report # 10900: python filter expression do...		<b>Closed</b> <b>2014-07-16</b>

#### History

##### #1 - 2017-01-05 06:26 AM - Regis Haubourg

For the record, it is possible in value relation widget . See #10900  
but that one can not allow user to click on a map object.

##### #2 - 2017-01-10 01:38 AM - Matthias Kuhn

I would propose to solve this on a broader perspective (i.e. not only for the relation reference widget) and introduce a new "search feature(s)" widget that allows for searching features based on attributes or location. This widget would be opened with a separate button (like the select from canvas button now).

The combobox on the other hand shouldn't load all the options (if there are more than ~100 there is no longer any point in doing so) but have an autocompleter that works with requests on the data source and proposes matches based on this.

##### #3 - 2017-01-13 08:50 AM - Regis Haubourg

- Status changed from Open to Closed

Good idea Matthias, this is much more elegant.  
I open a dedicated feature request.

##### #4 - 2017-06-19 10:51 AM - Regis Haubourg

- *Status changed from Closed to Open*
- *Description updated*

I reopen that feature request, because the alternate proposal - adding another button - does not seem so nice to me, it's a lot of new clicks. A dedicated search dialog could be interesting too by adding richer search possibilities (like the select by Value dialog for instance), but I would say it's the advanced use case.

My need for classical apps would only be to filter the dropdown list using expressions, and nearest neighbor / distance computation + a rubberband on hover synced between the combobox and the map canvas.