QGIS Application - Feature request #1855
Postgis View Layers with OID as primary key are loading very slow

2009-08-03 06:33 AM - Horst Düster

Status:	Closed			
Priority:	Low			
Assignee:	Jürgen Fischer			
Category:	Data Provider			
Pull Request or Patch supplied:			**Resolution:**	fixed
Easy fix?:	No		**Copied to github as #:**	11915

Description

I want to load a postgis view layer defined in a way that the OID represents the primary key of the view query result. No real primary key is defined in the source tables. When I query this view from psql it gives me the query result very fast. When I load this layer into QGIS it needs a very long time, more than 1 minute, to load this layer.

History

#1 - 2009-08-03 06:36 AM - Giovanni Manghi

Hi,

what version of qgis are you using? platform?

#2 - 2009-08-03 06:38 AM - Horst Düster

svn commit:cbf7cf64 (SVN r11253)
kubuntu 9.04
postgres 8.4.0

#3 - 2009-08-03 07:54 AM - Jürgen Fischer

Replying to hdus:

> *I want to load a postgis view layer defined in a way that the OID represents the primary key of the view query result. No real primary key is defined in*
> *the source tables. When I query this view from psql it gives me the query result very fast. When I load this layer into QGIS it needs a very long time,*
> *more than 1 minute, to load this layer.*

Does "loading" mean only "inserting" or "displaying"?   Inserting the view to the project can be slow, while QGIS tries to figure out what the primary key column is.   Once that's done displaying should be quick. Saving the project and reloading it should be also quick as QGIS saves the key column it found.

If you add the layer using python you can also specify the key column using key=column and QGIS will just verify that it's unique.

See also #1535

#4 - 2009-08-06 04:45 AM - Horst Düster

Replying to [comment:3 jef]:

> *Replying to [hdus](#):*
>
> *I want to load a postgis view layer defined in a way that the OID represents the primary key of the view query result. No real primary key is defined in the source tables. When I query this view from psql it gives me the query result very fast. When I load this layer into QGIS it needs a very long time, more than 1 minute, to load this layer.*
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> *Does "loading" mean only "inserting" or "displaying"? Inserting the view to the project can be slow, while QGIS tries to figure out what the primary key column is. Once that's done displaying should be quick. Saving the project and reloading it should be also quick as QGIS saves the key column it found.*
>
> *If you add the layer using python you can also specify the key column using key=column and QGIS will just verify that it's unique.*
>
> *See also #1535*

Loading means inserting. I took a look at the comments of #1535 and there gjm talked about an option to select the primary key column by the user when he is loading the postgis layer. Maybe it is possible to make some changes of the Postgis loader UI in this direction?

#5 - 2009-08-12 11:49 PM - Horst Düster

Replying to [comment:5 jef]:

Thank you for the patch. Yes in this way it works fine for me!

#6 - 2009-08-22 03:22 AM - Jürgen Fischer

- Resolution set to fixed

- Status changed from Open to Closed

applied in commit:d6134d5c (SVN r11480)

Files

1855_selectpkey.diff	22.8 KB	2009-08-12	Jürgen Fischer