

QGIS Application - Bug report #3820

Layer postgres dont recognize unique key index

2011-05-11 10:13 AM - aperi2007 -

Status:	Closed	
Priority:	Low	
Assignee:		
Category:	Data Provider/PostGIS	
Affected QGIS version:	master	Regression?: No
Operating System:	Windows	Easy fix?: No
Pull Request or Patch supplied:		Resolution: worksforme
Crashes QGIS or corrupts data:		Copied to github as #: 13878

Description

Hi,

try-ing to load a view in qgis I'm having this error:

The view 'gb.v_volumetria_in_aggetto' has no column suitable for use as a unique key.

Quantum GIS requires that the view has a column that can be used as a unique key. Such a column should be derived from a table column of type int4 and be a primary key, have a unique constraint on it, or be a [[PostgreSQL]] oid column. To improve performance the column should also be indexed.

The view you selected has the following columns, none of which satisfy the above conditions:

'altezzavolume' derives from 'gb.volumetria_in_aggetto.altezzavolume' and is not suitable (type is varchar) and does not have a suitable constraint)

'codcategoriauso' derives from 'gb.volumetria_in_aggetto.codcategoriauso' and is not suitable (type is varchar) and does not have a suitable constraint)

'codvolagg' derives from 'gb.superficie_3d.codvolagg' and is not suitable (type is varchar) and does not have a suitable constraint)

'codvolumetriainaggetto' derives from 'gb.volumetria_in_aggetto.codvolumetriainaggetto' and is not suitable (type is varchar) and has a suitable constraint)

'documentation' derives from 'gb.zz_categoriausovolumetriaaggettotype.documentation' and is not suitable (type is varchar) and does not have a suitable constraint)

'geom' derives from 'gb.superficie_3d.geom' and is not suitable (type is geometry) and does not have a suitable constraint)

'id' derives from 'gb.volumetria_in_aggetto.id' and is not suitable (type is int4) and does not have a suitable constraint)

'quotaestrusione' derives from 'gb.volumetria_in_aggetto.quotaestrusione' and is not suitable (type is varchar) and does not have a suitable constraint)

'value' derives from 'gb.zz_categoriausovolumetriaaggettotype.value' and is not suitable (type is varchar) and has a suitable constraint)

I think this is a bug because the id field derives from 'gg.volumetria_in_aggetto' is really suitable.

it is a serial (so is unique) and has a unique index created with this sql:

CREATE UNIQUE INDEX IDX_VOLUMINAGG0 ON [schema].VOLUMETRIA_IN_AGGETTO(ID);

instead qgis refuse it reporting:

'id' derives from 'gb.volumetria_in_aggetto.id' and is not suitable (type is int4) and does not have a suitable constraint)

The view is create with this sql:

```

CREATE VIEW gb.v_volumetria_in_aggetto AS
SELECT
  a.id as id,
  a.codvolumetriainaggetto as codvolinag,
  a.altezzavolume as altezvolum,
  a.quotaestrusione as quotaestru,
  c.documentation as codcatuso,
  ST_Union(b.geom) as geom
FROM
  (( gb.volumetria_in_aggetto a
  LEFT OUTER JOIN [schema].superficie_3d b ON (a.codvolumetriainaggetto = b.codvolagg) )
  LEFT OUTER JOIN [schema].zz_categoriausovolumetriaaggettotype c ON (a.codcategoriauso = c.value) )
GROUP BY
  a.id,
  a.codvolumetriainaggetto,
  a.altezzavolume,
  a.quotaestrusione,
  c.documentation
;

```

History

#1 - 2011-05-11 10:14 AM - aperi2007 -

oops,
the query used is this:

```

CREATE VIEW gb.v_volumetria_in_aggetto AS SELECT
  a.id as id, a.codvolumetriainaggetto as codvolinag, a.altezzavolume as altezvolum, a.quotaestrusione as quotaestru, c.documentation as codcatuso,
  ST_Union(b.geom) as geom
FROM
  (( gb.volumetria_in_aggetto a LEFT OUTER JOIN gb.superficie_3d b ON (a.codvolumetriainaggetto = b.codvolagg) ) LEFT OUTER JOIN
  gb.zz_categoriausovolumetriaaggettotype c ON (a.codcategoriauso = c.value) )
GROUP BY
  a.id, a.codvolumetriainaggetto, a.altezzavolume, a.quotaestrusione, c.documentation
;

```

#2 - 2011-05-11 10:39 AM - aperi2007 -

I do some other test.
I notice it work if the 'id' field is a primary key.
So the existence of an unique index on a int4 field seem to be not enough.
But it must be also primary key.

I don't know if this is a bug or not.

#3 - 2011-05-11 11:10 AM - Giovanni Manghi

duplicate of this (old) ticket? #62

#4 - 2011-05-11 11:34 AM - aperi2007 -

I guess no.

The #62 ask for a field not only int4 (for example varchar)
but always with an unique index on it.

This ticket report that the field (int4 type) must be [[PrimartKey]] and not only with
an unique index.

#5 - 2011-12-16 12:45 PM - Giovanni Manghi

- *Target version changed from Version 1.7.0 to Version 1.7.4*

#6 - 2012-02-02 01:50 PM - Jürgen Fischer

- *Category changed from Data Provider to Data Provider/PostGIS*
- *Status changed from Open to Feedback*
- *Crashes QGIS or corrupts data set to No*
- *Affected QGIS version set to master*
- *Pull Request or Patch supplied set to No*
- *Assignee deleted (nobody -)*

please verify that master is still affected.

#7 - 2012-04-16 06:28 AM - Paolo Cavallini

- *Target version changed from Version 1.7.4 to Version 1.8.0*

#8 - 2012-04-17 05:36 AM - Jürgen Fischer

- *Resolution set to worksforme*
- *Status changed from Feedback to Closed*

closing for the lack for feed back - the postgres provider requires to select the pk of view now.