

QGIS Application - Bug report #20418

PostGIS Split Fails With Data Loss

2018-11-08 07:45 PM - Spencer Gardner

Status: Closed	
Priority: High	
Assignee:	
Category: Editing	
Affected QGIS version: 3.4.1	Regression?: Yes
Operating System:	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: fixed/implemented
Crashes QGIS or corrupts data: No	Copied to github as #: 28238

Description

To reproduce:

```
create table test (  
  id serial primary key,  
  geom geometry(linestring,4326)  
);  
  
insert into test (geom)  
select st_setsrid(st_makeline(st_makepoint(1,2),st_makepoint(3,4)),4326)  
;
```

1. Add layer "test" to map
2. Start editing session
3. Split line into three features with a single split operation
4. Save edits
5. After error is given, quit editing session by discarding changes

What should happen:
Layer saves the three features.

What happens:
Error is given indicating a failure to save edits because of a duplicate key violation. One of the three features is saved, the other two are deleted from the dataset, despite having discarded all edits when prompted.

History

#1 - 2018-11-08 09:42 PM - Giovanni Manghi

- Operating System deleted (Windows)

#2 - 2018-11-15 11:21 AM - Bernhard Ströbl

I can reproduce the behaviour (with one of my PosGIS layers)

While splitting I get the following warnings in the PostGIS-Tab of the log

WARNING Query: DECLARE qgis_24 BINARY CURSOR FOR SELECT

'gid',"href1"::text,"href2"::text,"level_name"::text,"gdb"::text,"datum"::text,"nocheinint"::text FROM "myschema"."mytable" WHERE ("gid" = 'nextval("myschema.mytable_gid_seq"::regclass)') LIMIT 1 returned 7 [ERROR: invalid input syntax for integer:

```
"nextval('myschema.mytable_gid_seq'::regclass)"
```

WARNING 1 cursor states lost.

```
SQL: DECLARE qgis_6 BINARY CURSOR FOR SELECT
```

```
"gid", "href1"::text, "href2"::text, "level_name"::text, "gidb"::text, "datum"::text, "nocheinint"::text FROM "myschema"."mytable" WHERE ("gid" =  
'nextval('myschema.mytable_gid_seq'::regclass)') LIMIT 2
```

```
Result: 7 (ERROR: invalid input syntax for integer: "nextval('myschema.mytable_gid_seq'::regclass)"
```

gid is an integer field

#3 - 2018-11-15 12:51 PM - Bernhard Ströbl

I can save the split features when ticking *Evaluate default values on provider side* in *Project Properties - Data Sources*

@Spencer: could you check if that works for you?

Nevertheless the issue is still valid as the data is corrupted although *Discard changes* is chosen.

#4 - 2018-11-15 04:20 PM - Jan Lippmann

I can confirm. In my case with polygons.

I think this problem has a relationship with #20431, because:

1. Step: If i split one feature in only two parts..if i don't save edits..there is no issue
2. Step: If i split another one feature in only two parts...there is a problem with duplicate key violation

BTW: If i save edits after step 1., there is no problem with duplicate key violation

#5 - 2019-01-04 02:00 AM - Stephen Knox

I can't reproduce this on 3.5 master - I get three separate lines after splitting, with no errors

#6 - 2019-01-04 11:11 AM - Giovanni Manghi

- *Status changed from Open to Feedback*

Stephen Knox wrote:

| *I can't reproduce this on 3.5 master - I get three separate lines after splitting, with no errors*

The original reporter also confirms?

#7 - 2019-01-04 03:43 PM - Spencer Gardner

I'm on vacation for a few more days so I won't be able to confirm until then. I strongly suspect Jan is correct about this being related to #20431 which has been resolved.

#8 - 2019-01-05 01:06 PM - Jan Lippmann

My Test with 3.4.3: There is no more issue. I think commit:32b7d7e5ddeef7a66592267819e234085c44a7bc solved the problem. Ticket can be closed...

#9 - 2019-01-05 08:37 PM - Nyal Dawson

- *Resolution set to fixed/implemented*

- *Status changed from Feedback to Closed*