

## QGIS Application - Bug report #16216

### OGR data provider is extremely slow on changing attribute values

2017-02-21 11:54 AM - Martin Landa

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Attribute table	
<b>Affected QGIS version:</b>	2.18.3	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch applied:</b>	Yes	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 24126
<b>Description</b>		
<p>OGR data provider is extremely slow on changing attribute values. The reason is simple, the method <code>QgsOgrProvider::changeAttributeValues()</code> doesn't use transactions. The attached sample scripts (qgis.py) shows more than 60sec elapsed time when changing attribute value for 1000 features stored in SQLite database.</p> <pre>execfile(u'/tmp/tmpMS2K_V.py'.encode('UTF-8'))</pre> <p>Time elapsed: 56.5938699245</p>		

#### Associated revisions

**Revision 16a421c7 - 2017-03-15 08:01 AM - Martin Landa**

OGR data provider: use transactions when changing attributes and geometries (if possible) (fixes #16216)

**Revision 6715441e - 2017-03-20 01:25 PM - Martin Landa**

OGR data provider: use transactions when changing attributes and geometries (if possible) (fixes #16216)

Cherry picked from 16a421c7a8292b4e697363e5c57634ff57025e3a

#### History

**#1 - 2017-02-21 11:57 AM - Martin Landa**

- File `qgis.py` added

**#2 - 2017-02-21 01:55 PM - Martin Landa**

- % Done changed from 0 to 50

See <https://github.com/qgis/QGIS/pull/4172>

The sample script reports about 1sec when changing 1000 features in SQLite database compared to 60sec without transactions.

**#3 - 2017-02-22 02:38 AM - Martin Landa**

New pull request against master: <https://github.com/qgis/QGIS/pull/4175>

#4 - 2017-03-14 11:54 PM - Martin Landa  
- Status changed from Open to Closed

Fixed in changeset commit:"16a421c7a8292b4e697363e5c57634ff57025e3a".

Files			
qgis.py	588 Bytes	2017-02-21	Martin Landa
qgis.py	515 Bytes	2017-02-21	Martin Landa