QGIS Application - Bug report #16216
OGR data provider is extemely slow on changing attribute values

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

Status:	Closed		
Priority:	Normal		
Assignee:			
Category:	Attribute table		
Affected QGIS version:	2.18.3	**Regression?:**	No
Operating System:		**Easy fix?:**	No
Pull Request or Patch supplied:	Yes	**Resolution:**	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	24126

Description

OGR data provider is extemely slow on changing attribute values. The reason is simple, the method QgsOgrProvider::changeAttributeValues() 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.

```
execfile(u'/tmp/tmpMS2K_V.py'.encode('UTF-8'))
Time elapsed: 56.5938699245
```

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