

QGIS Application - Feature request #19529

Add edit geometries with query filter

2018-08-02 10:39 AM - Jérôme Seigneuret

Status: Open	
Priority: Normal	
Assignee:	
Category: Data Provider/OGR	
Pull Request or Patch supplied:	Resolution:
Easy fix?: No	Copied to github as #: 27356
Description	
Hi, I use global data shapefile. I use filter on my layer data source and I can't edit geometries because there is a query filter... Can you modify this behaviour.	
Related issues:	
Duplicates QGIS Application - Bug report # 2951: Layers become non-editable	Closed

History

#1 - 2018-08-02 03:06 PM - Giovanni Manghi

- Category changed from Editing to Vectors
- Status changed from Open to Feedback

No it can't be changed, because ogr (used to read shapefiles) does not allow it.
You must use a less obsolete format, like geopackage or spatialite.

#2 - 2018-08-02 04:54 PM - Jérôme Seigneuret

Ok, I send a question to GDAL-Dev mailing list

#3 - 2018-08-02 05:06 PM - Even Rouault

- Status changed from Feedback to Open
- Category changed from Vectors to Data Provider/OGR

@giovanni This is not actually true. This is more a limitation on QGIS side

Demo that the shapefile driver can support this:

```
even@even-i700:~/gdal/git/gdal/gdal$ ogrinfo poly.shp -al -where "EAS_ID = 165"  
INFO: Open of `poly.shp'  
using driver `ESRI Shapefile' successful.
```

Layer name: poly

Geometry: Polygon

Feature Count: 1

Extent: (478315.531250, 4762880.500000) - (481645.312500, 4765610.500000)

Layer SRS WKT:

(unknown)

AREA: Real (12.3)

EAS_ID: Integer64 (11.0)

PRFEDEA: String (16.0)

OGRFeature(poly):8

AREA (Real) = 596610.313

EAS_ID (Integer64) = 165

PRFEDEA (String) = 35043408

POLYGON ((479750.6875 4764702.0,479968.46875 4764788.0,479985.0625 4764732.0,480011.0 4764674.5,480093.75 4764703.0,480177.15625 4764742.0,480258.03125 4764767.0,480343.71875 4764532.5,480343.5625 4764477.0,480316 4764395,480289.125 4764348.5,480234.3125 4764304.0,480157.125 4764266.5,480192.3125 4764183.0,480120.21875 4764188.5,479550.0625 4763919.5,479492.6875 4763850.0,479487.75 4763864.5,479442.75 4763990.0,479436 4764023,479398.9375 4764100.0,479349.625 4764230.0,479305.875 4764361.0,479239.8125 4764505.0,479504.90625 4764609.5,479658.59375 4764670.0,479750.6875 4764702.0))

even@even-i700:~/gdal/git/gdal/gdal\$ python

Python 2.7.12 (default, Dec 4 2017, 14:50:18)

[GCC 5.4.0 20160609] on linux2

Type "help", "copyright", "credits" or "license" for more information.

```
from osgeo import ogr
ds = ogr.Open('poly.shp', update = 1)
lyr = ds.GetLayer(0)
lyr.SetAttributeFilter('EAS_ID = 165')
```

0

```
f = lyr.GetNextFeature()
f['AREA'] = -f['AREA']
lyr.SetFeature(f)
```

0

even@even-i700:~/gdal/git/gdal/gdal\$ ogrinfo poly.shp -al -where "EAS_ID = 165"

INFO: Open of `poly.shp`

using driver `ESRI Shapefile' successful.

Layer name: poly

Metadata:

DBF_DATE_LAST_UPDATE=2018-08-02

Geometry: Polygon

Feature Count: 1

Extent: (478315.531250, 4762880.500000) - (481645.312500, 4765610.500000)

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#4 - 2018-08-02 05:36 PM - Even Rouault

Hum actually the OGR provider doesn't use SetAttributeFilter() but ExecuteSQL(), and the later can make it difficult to find the original FID, so this might be non trivial to implement.

#5 - 2018-08-02 06:28 PM - Jürgen Fischer

- Duplicates Feature request #3052: Editing subsets doesn't work for shapefiles added

#6 - 2018-08-02 06:29 PM - Jürgen Fischer

- Duplicates Bug report #2951: Layers become non-editable added

#7 - 2018-08-02 06:29 PM - Jürgen Fischer

- Duplicates deleted (Feature request #3052: Editing subsets doesn't work for shapefiles)

#8 - 2018-08-03 11:06 AM - Giovanni Manghi

Even Rouault wrote:

| @giovanni This is not actually true. This is more a limitation on QGIS side

Sorry, I always assumed it was an ogr/shapefile limitation, see this very old answer from Jurgen: <https://issues.qgis.org/issues/2951#note-3>