

## QGIS Application - Bug report #4363

### Problem with setGeometry() when overwrite geometry

2011-10-07 01:36 AM - sebastien rey

<b>Status:</b>	Closed	
<b>Priority:</b>	High	
<b>Assignee:</b>		
<b>Category:</b>		
<b>Affected QGIS version:</b>		<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b> invalid
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 14296
<b>Description</b>		
<p>Objective is simple, i want to change the geometry of point 1 by copying the geometry of point 2 into geometry of point1.</p> <p>I create a simple point layer, with two points.</p> <p>I select one of this point, and I run this source code into python console :</p> <pre>--  mapC = qgis.utils.iface.mapCanvas() layer = mapC.currentLayer() provider = layer.dataProvider() feat = QgsFeature() provider.nextFeature(feat)  myGeom = feat.geometry()  while provider.nextFeature(feat):     layer.startEditing()     feat.setGeometry(myGeom) #replace the feature geometry by the geometry of mygeom     layer.commitChanges()  --</pre> <p>Qgis crash after that, but i don't understand why ??</p> <p>It seems the setGeometry() work when feat is empty, but setGeometry() crash when i try to overwrite the geometry.</p> <p>Best Regards, Sr.</p>		

#### History

##### #1 - 2011-10-07 03:35 AM - Jürgen Fischer

- Resolution set to invalid
- Status changed from Open to Closed

Overwrite feat with a new feature invalidate the geometry reference. You need to copy the geometry. But the retrieved feature is not linked to the layer anymore and changes to it are not automatically written back to the layer. You need `QgsVectorLayer.changeGeometry(fid, geom)` for that.

Like this:

```
mapC = qgis.utils iface.mapCanvas()
layer = mapC.currentLayer()
provider = layer.dataProvider()
feat = QgsFeature()
provider.nextFeature(feat)

myGeom = QgsGeometry( feat.geometry() )

layer.startEditing()

while provider.nextFeature(feat):
    layer.changeGeometry(feat.id(), myGeom)

layer.commitChanges()
```