

# QGIS Application - Bug report #7455

## Load dxf and apply query does not work

2013-03-26 10:39 AM - Duarte Carreira

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Vectors	
<b>Affected QGIS version:</b> master	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b> fixed
<b>Crashes QGIS or corrupts data:</b> No	<b>Copied to github as #:</b> 16412

### Description

When loading a dxf file, all content is loaded as a single layer named "entities".

To separate geometry types it is necessary to apply a query like this: "SubClasses" = 'AcDbEntity:AcDb2dPolyline'

After defining the query and closing the properties window of the layer qgis crashes.

A workaround is to create a .vrt by hand that filters the geometry type. This works fine, even with queries:

```
<OGRVRTDataSource>
  <OGRVRTLayer name="dxf_lines">
    <SrcDataSource relativeToVRT="1">T34834D01-01-R0.dxf</SrcDataSource>
    <GeometryType>wkbLineString</GeometryType>
    <LayerSRS>EPSG:27493</LayerSRS>
    <SrcSQL>SELECT * FROM entities WHERE OGR_GEOMETRY='LINESTRING'</SrcSQL>
  </OGRVRTLayer>
</OGRVRTDataSource>
```

### History

#### #1 - 2013-03-26 10:59 AM - Giovanni Manghi

- Category set to Vectors
- Priority changed from Normal to High
- Operating System deleted (Windows)
- OS version deleted (7)

it affects also 1.8. On Linux the terminal message is just

Segmentation fault

#### #2 - 2013-05-11 04:05 AM - Giovanni Manghi

- Status changed from Open to Feedback

QGIS master seems not to crash under Linux, at least.

The error message is anyway not very comforting... just a

"Could not draw entities because:"

and nothing more.

Still crashes on Windows?

### #3 - 2013-05-11 06:47 AM - Alessandro Ciali

I made some test on win7 64bit (master 576102b).

I loaded a dxf with polylines and hatches.

I made the following queries on "Entities" layer:

"SubClasses" = 'AcDbEntity:AcDbHatch'

"SubClasses" = 'AcDbEntity:AcDbPolyline'

It seems to work for me, Qgis draws correctly polyline and polygons after closing the properties menu.

I tried to save and reopen the project too, no errors occurred.

I suggest it could depend on dxf: attempting to open T34834D01-02-R0.dxf with autocad LT 2009 produced the following error:

"Unknown value "AC1027" encountered in drawing version.

Invalid or incomplete DXF input -- drawing discarded."

### #4 - 2013-05-12 02:45 AM - Giovanni Manghi

- Subject changed from Load dxf and apply query crashes qgis to Load dxf and apply query does not work

- Crashes QGIS or corrupts data changed from Yes to No

*I suggest it could depend on dxf: attempting to open T34834D01-02-R0.dxf with autocad LT 2009 produced the following error:*

*"Unknown value "AC1027" encountered in drawing version.*

*Invalid or incomplete DXF input -- drawing discarded."*

But it opens ok with DWG TrueView 2014 and Librecad (2 beta).

Anyway doing the filter does not crash qgis anymore, so the subject of this ticket should be changed.

### #5 - 2013-05-12 07:18 AM - Alessandro Ciali

Maybe the DWG is saved in a new version and QGIS could not read it (as Autocad LT 2009)? Have uyo tried to save the dxf in an older version? (2004 for example?)

### #6 - 2013-06-01 10:50 AM - Giovanni Manghi

This should be fixed on master, someone can test?

### #7 - 2013-06-02 08:01 AM - Giovanni Manghi

- Priority changed from High to Normal

### #8 - 2013-06-02 10:27 AM - Duarte Carreira

Works fantastic!!

**#9 - 2013-06-02 10:35 AM - Giovanni Manghi**

- *Resolution set to fixed*

- *Status changed from Feedback to Closed*

**Files**

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T34834D01-02-R0.dxf

2.43 MB

2013-03-26

Duarte Carreira