

QGIS Application - Bug report #18698

qgsgml.cpp and gdal 2.4.4 incompatibility? (DEBUG build)

2018-04-10 05:13 PM - vince -

Status: Closed	
Priority: Normal	
Assignee:	
Category: Build/Install	
Affected QGIS version: 3.1(master)	Regression?: No
Operating System: OS X	Easy fix?: Yes
Pull Request or Patch supplied: No	Resolution: fixed/implemented
Crashes QGIS or corrupts data: No	Copied to github as #: 26586

Description

When I try to compile QGIS master (commit c625f95) with the new version of gdal, I get this compilation error:

```
src/core/qgsgml.cpp:883:29: error: no matching function for call to 'OGR_G_WkbSize'
    const int wkbSize = OGR_G_WkbSize( hGeom.get() );
                        ^
/opt/local/include/ogr_api.h:118:16: note: candidate function not viable: cannot convert argument of incomplete type
'std::__1::unique_ptr<void, gdal::OGRGeometryDeleter>::pointer' (aka 'void *') to 'OGRGeometryH' (aka 'OGRGeometryHS *') for
1st argument
int CPL_DLL OGR_G_WkbSize( OGRGeometryH hGeom );
    ^
src/core/qgsgml.cpp:885:9: error: no matching function for call to 'OGR_G_ExportToIsoWkb'
    OGR_G_ExportToIsoWkb( hGeom.get(), wkbNDR, pabyBuffer );
    ^
/opt/local/include/ogr_api.h:117:16: note: candidate function not viable: cannot convert argument of incomplete type
'std::__1::unique_ptr<void, gdal::OGRGeometryDeleter>::pointer' (aka 'void *') to 'OGRGeometryH' (aka 'OGRGeometryHS *') for
1st argument
OGRErr CPL_DLL OGR_G_ExportToIsoWkb( OGRGeometryH, OGRwkbByteOrder, unsigned char*);
```

This seems to be caused by the upgrade from gdal 2.4.3 to gdal 2.4.4.

Related issues:

Duplicates QGIS Application - Bug report # 18696: libdxfrw doesn't honor the ...	Closed	2018-04-10
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History

#1 - 2018-04-10 05:57 PM - vince -

- Subject changed from qgsgml.cpp and gdal 2.4.4 incompatibility? to qgsgml.cpp and gdal 2.4.4 incompatibility? (DEBUG build)

#2 - 2018-04-10 06:00 PM - vince -

This is a DEBUG build, and it fails because of that line in ogr_api.h

```
#ifdef DEBUG
typedef struct OGRGeometryHS *OGRGeometryH;
#else
/** Opaque type for a geometry */
typedef void *OGRGeometryH;
#endif
```

#3 - 2018-04-11 11:47 PM - Jürgen Fischer

- Resolution set to fixed/implemented
- Status changed from Open to Closed

Fixed in commit:222e45b838ebf8a2df43c6ef888047182fba5cb2

#4 - 2018-04-11 11:48 PM - Jürgen Fischer

- Duplicates Bug report #18696: libdxfrw doesn't honor the "DEBUG" flag added