

QGIS Application - Bug report #12524

Issue building QGIS 64bit on windows platform

2015-04-07 01:04 AM - Paul Gathogo

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:		
Affected QGIS version:	2.8.1	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: invalid
Crashes QGIS or corrupts data:	No	Copied to github as #: 20668
Description		
<p>Guys,</p> <p>Am new here and am not sure if this is the correct place to post this problem, but please pardon me.</p> <p>Am trying to build Qgis 64bit on windows using the instructions provided here [https://github.com/qgis/QGIS/blob/master/INSTALL], but am getting a couple of errors.</p> <p>My development environment:</p> <ul style="list-style-type: none">- Lenovo Thinkpad L540 - 12GB RAM- Windows 7 Ultimate SP1 - 64bit- Visual Studio Express 2010- MS SDK 7 - 64bit- Python2.7 - 64bit- CMake 3.0.2- Cygwin64- OSGeo4W64- QGIS 2.9.0 # this what I got when I did CMake (configure/generate) <p>Message am getting when build is done in VC++:</p> <p>===== Build: 218 succeeded, 9 failed, 0 up-to-date, 89 skipped =====</p> <p>These are the errors am getting :</p> <pre>7> Creating library D:/home/qgis_app/QGIS/build64/src/core/Release/qgis_core.lib and object D:/home/qgis_app/QGIS/build64/src/core/Release/qgis_core.exp 7>qextserialenumerator.obj : error LNK2019: unresolved external symbol __imp_SetupDiGetDeviceRegistryPropertyA referenced in function "private: static class QString __cdecl QextSerialEnumerator::getDeviceProperty(void *,struct _SP_DEVINFO_DATA *,unsigned long)" (?getDeviceProperty@QextSerialEnumerator@CA?AVQString@PEAXPEAU_SP_DEVINFO_DATA@K@Z) 7>qextserialenumerator.obj : error LNK2019: unresolved external symbol __imp_SetupDiOpenDevRegKey referenced in function "private: static bool __cdecl QextSerialEnumerator::getDeviceDetailsWin(struct QextPortInfo *,void *,struct _SP_DEVINFO_DATA *,unsigned __int64)" (?getDeviceDetailsWin@QextSerialEnumerator@CA_NPEAUQextPortInfo@PEAXPEAU_SP_DEVINFO_DATA @_K@Z) 7>qextserialenumerator.obj : error LNK2019: unresolved external symbol __imp_SetupDiDestroyDeviceInfoList referenced in function "private: bool __cdecl QextSerialEnumerator::matchAndDispatchChangedDevice(class QString const &,struct _GUID const &,unsigned __int64)" (?matchAndDispatchChangedDevice@QextSerialEnumerator@AEAA_NAEBVQString@AEBU_GUID@_K@Z) 7>qextserialenumerator.obj : error LNK2019: unresolved external symbol __imp_SetupDiGetDeviceInstanceIDA referenced in function "private: bool __cdecl QextSerialEnumerator::matchAndDispatchChangedDevice(class QString const &,struct _GUID const &,unsigned __int64)" (?matchAndDispatchChangedDevice@QextSerialEnumerator@AEAA_NAEBVQString@AEBU_GUID@_K@Z)</pre>		

7>qextserialenumerator.obj : error LNK2019: unresolved external symbol __imp_SetupDiEnumDeviceInfo referenced in function "private: bool __cdecl QextSerialEnumerator::matchAndDispatchChangedDevice(class QString const &,struct _GUID const &,unsigned __int64)" (?matchAndDispatchChangedDevice@QextSerialEnumerator@AEAA_NAEBVQString@AEBU_GUID@_K@Z)

7>qextserialenumerator.obj : error LNK2019: unresolved external symbol __imp_SetupDiGetClassDevsA referenced in function "private: bool __cdecl QextSerialEnumerator::matchAndDispatchChangedDevice(class QString const &,struct _GUID const &,unsigned __int64)" (?matchAndDispatchChangedDevice@QextSerialEnumerator@AEAA_NAEBVQString@AEBU_GUID@_K@Z)

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlFreeDoc referenced in function splite_free_xml_schema_cache_item

7>spatialite.lib(virtualxpath.obj) : error LNK2001: unresolved external symbol xmlFreeDoc

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaFree referenced in function splite_free_xml_schema_cache_item

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaFreeParserCtxt referenced in function splite_free_xml_schema_cache_item

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlDocGetRootElement referenced in function sniff_payload

7>spatialite.lib(virtualxpath.obj) : error LNK2001: unresolved external symbol xmlDocGetRootElement

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol crc32 referenced in function gaiaXmlToBlob

7>spatialite.lib(gg_relations.obj) : error LNK2001: unresolved external symbol crc32

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol compress referenced in function gaiaXmlToBlob

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol compressBound referenced in function gaiaXmlToBlob

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaFreeValidCtxt referenced in function gaiaXmlToBlob

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaValidateDoc referenced in function gaiaXmlToBlob

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaNewValidCtxt referenced in function gaiaXmlToBlob

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlReadMemory referenced in function gaiaXmlToBlob

7>spatialite.lib(virtualxpath.obj) : error LNK2001: unresolved external symbol xmlReadMemory

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaParse referenced in function gaiaXmlToBlob

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaNewDocParserCtxt referenced in function gaiaXmlToBlob

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlReadFile referenced in function gaiaXmlToBlob

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSetGenericErrorFunc referenced in function gaiaXmlToBlob

7>spatialite.lib(virtualxpath.obj) : error LNK2001: unresolved external symbol xmlSetGenericErrorFunc

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol uncompress referenced in function gaiaXmlTextFromBlob

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlDocDumpFormatMemory referenced in function gaiaXmlLoad

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlXPathFreeObject referenced in function gaiaXmlGetInternalSchemaURI

7>spatialite.lib(virtualxpath.obj) : error LNK2001: unresolved external symbol xmlXPathFreeObject

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlXPathFreeContext referenced in function gaiaXmlGetInternalSchemaURI

7>spatialite.lib(virtualxpath.obj) : error LNK2001: unresolved external symbol xmlXPathFreeContext

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlFreeNode referenced in function settsold

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlReplaceNode referenced in function settsold

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlAddChild referenced in function settsold

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlNewText referenced in function settsold

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlNewNode referenced in function settsold

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol __imp_xmlFree referenced in function gaiaXmlBlobSetFileId

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSetNs referenced in function addlsold

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlNewNs referenced in function addlsold

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlAddNextSibling referenced in function addlsold

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlAddPrevSibling referenced in function addlsold

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSearchNs referenced in function addlsold

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSearchNsByHref referenced in function addlsold

7>spatialite.lib(virtualxpath.obj) : error LNK2019: unresolved external symbol xmlXPathFreeCompExpr referenced in function gaialsValidXPathExpression

```
7>spatialite.lib(virtualxpath.obj) : error LNK2019: unresolved external symbol xmlXPathCompile referenced in function
gaialsValidXPathExpression
7>spatialite.lib(virtualxpath.obj) : error LNK2019: unresolved external symbol xmlXPathEvalExpression referenced in function
vxpath_eval_expr
7>spatialite.lib(virtualxpath.obj) : error LNK2019: unresolved external symbol xmlXPathRegisterNs referenced in function
vxpath_eval_expr
7>spatialite.lib(virtualxpath.obj) : error LNK2019: unresolved external symbol xmlXPathNewContext referenced in function
vxpath_eval_expr
7>spatialite.lib(virtualXL.obj) : error LNK2019: unresolved external symbol freexl_get_cell_value referenced in function vXL_create
7>spatialite.lib(virtualXL.obj) : error LNK2019: unresolved external symbol freexl_worksheet_dimensions referenced in function
vXL_create
7>spatialite.lib(virtualXL.obj) : error LNK2019: unresolved external symbol freexl_select_active_worksheet referenced in function
vXL_create
7>spatialite.lib(virtualXL.obj) : error LNK2019: unresolved external symbol freexl_get_info referenced in function vXL_create
7>spatialite.lib(virtualXL.obj) : error LNK2019: unresolved external symbol freexl_close referenced in function vXL_create
7>spatialite.lib(virtualXL.obj) : error LNK2019: unresolved external symbol freexl_open referenced in function vXL_create
7>spatialite.lib(gg_utf8.obj) : error LNK2019: unresolved external symbol locale_charset referenced in function gaiaGetLocaleCharset
7>spatialite.lib(gg_utf8.obj) : error LNK2019: unresolved external symbol __imp_libiconv_close referenced in function
gaiaConvertCharset
7>spatialite.lib(gg_shape.obj) : error LNK2001: unresolved external symbol __imp_libiconv_close
7>spatialite.lib(gg_utf8.obj) : error LNK2019: unresolved external symbol __imp_libiconv referenced in function gaiaConvertCharset
7>spatialite.lib(gg_shape.obj) : error LNK2001: unresolved external symbol __imp_libiconv
7>spatialite.lib(gg_utf8.obj) : error LNK2019: unresolved external symbol __imp_libiconv_open referenced in function
gaiaConvertCharset
7>spatialite.lib(gg_shape.obj) : error LNK2001: unresolved external symbol __imp_libiconv_open
7>D:\home\qgis_app\QGIS\build64\output\bin\Release\qgis_core.dll : fatal error LNK1120: 52 unresolved externals
```

```
88>C:\Program Files (x86)\MSBuild\Microsoft.Cpp\v4.0\Microsoft.CppCommon.targets(151,5): error MSB6006: "cmd.exe" exited with
code -1073741515.
```

```
89>LINK : fatal error LNK1104: cannot open file 'python27.lib'
```

Particularly am concerned with this error **Link error fatal error LNK1104: cannot open file 'python27.lib'**. These are my python settings in CMake:

```
PYTHON_EXECUTABLE:FILEPATH=C:/Python27/python.exe
PYTHON_INCLUDE_PATH:FILEPATH=C:/Python27/include
PYTHON_LIBRARY:FILEPATH=C:/Python27/libs
```

BTW, had to tweak **FindPythonLibrary.cmake** for Cmake to allow me change the **PYTHON_INCLUDE_PATH** value, it kept defaulting to C:\OSGEO4~1\apps\Python27\include !!

What could I be missing?

regards
pgathogo

History

#1 - 2015-04-07 07:33 AM - Paul Gathogo

Guys,

Still struggling with the build, but at least am down to 2 fails:

```
313>Time Elapsed 00:00:00.90
314>----- Skipped Build: Project: PACKAGE, Configuration: Release x64 -----
314>Project not selected to build for this solution configuration
315>----- Skipped Build: Project: INSTALL, Configuration: Release x64 -----
315>Project not selected to build for this solution configuration ===== Build: 223 succeeded, 2 failed, 0 up-to-date, 89 skipped =====
```

from VC++ output window I see the following nasty ones

```
12>InitializeBuildStatus:
12> Creating "x64\Release\MetaSearch-62-stageinstall\MetaSearch-62-stageinstall.unsuccessfulbuild" because "AlwaysCreate" was specified.
7>qextserialenumerator.obj : error LNK2019: unresolved external symbol __imp_SetupDiGetDeviceRegistryPropertyA referenced in function "private:
static class QString __cdecl QextSerialEnumerator::getDeviceProperty(void *,struct _SP_DEVINFO_DATA *,unsigned long)"
(?getDeviceProperty@QextSerialEnumerator@CA?AVQString@PEAXPEAU_SP_DEVINFO_DATA@K@Z)
7>qextserialenumerator.obj : error LNK2019: unresolved external symbol __imp_SetupDiOpenDevRegKey referenced in function "private: static bool
__cdecl QextSerialEnumerator::getDeviceDetailsWin(struct QextPortInfo *,void *,struct _SP_DEVINFO_DATA *,unsigned __int64)"
(?getDeviceDetailsWin@QextSerialEnumerator@CA_NPEAUQextPortInfo@PEAXPEAU_SP_DEVINFO_DATA@_K@Z)
7>qextserialenumerator.obj : error LNK2019: unresolved external symbol __imp_SetupDiDestroyDeviceInfoList referenced in function "private: bool
__cdecl QextSerialEnumerator::matchAndDispatchChangedDevice(class QString const &,struct _GUID const &,unsigned __int64)"
(?matchAndDispatchChangedDevice@QextSerialEnumerator@AEAA_NAEBVQString@AEBU_GUID@_K@Z)
7>qextserialenumerator.obj : error LNK2019: unresolved external symbol __imp_SetupDiGetDeviceInstanceIdA referenced in function "private: bool
__cdecl QextSerialEnumerator::matchAndDispatchChangedDevice(class QString const &,struct _GUID const &,unsigned __int64)"
(?matchAndDispatchChangedDevice@QextSerialEnumerator@AEAA_NAEBVQString@AEBU_GUID@_K@Z)
7>qextserialenumerator.obj : error LNK2019: unresolved external symbol __imp_SetupDiEnumDeviceInfo referenced in function "private: bool __cdecl
QextSerialEnumerator::matchAndDispatchChangedDevice(class QString const &,struct _GUID const &,unsigned __int64)"
(?matchAndDispatchChangedDevice@QextSerialEnumerator@AEAA_NAEBVQString@AEBU_GUID@_K@Z)
7>qextserialenumerator.obj : error LNK2019: unresolved external symbol __imp_SetupDiGetClassDevsA referenced in function "private: bool __cdecl
QextSerialEnumerator::matchAndDispatchChangedDevice(class QString const &,struct _GUID const &,unsigned __int64)"
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7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlFreeDoc referenced in function splite_free_xml_schema_cache_item
7>spatialite.lib(virtualxpath.obj) : error LNK2001: unresolved external symbol xmlFreeDoc
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaFree referenced in function splite_free_xml_schema_cache_item
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaFreeParserCtxt referenced in function
splite_free_xml_schema_cache_item
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlDocGetRootElement referenced in function sniff_payload
7>spatialite.lib(virtualxpath.obj) : error LNK2001: unresolved external symbol xmlDocGetRootElement
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol crc32 referenced in function gaiaXmlToBlob
7>spatialite.lib(gg_relations.obj) : error LNK2001: unresolved external symbol crc32
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol compress referenced in function gaiaXmlToBlob
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol compressBound referenced in function gaiaXmlToBlob
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaFreeValidCtxt referenced in function gaiaXmlToBlob
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaValidateDoc referenced in function gaiaXmlToBlob
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaNewValidCtxt referenced in function gaiaXmlToBlob
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlReadMemory referenced in function gaiaXmlToBlob
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7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaParse referenced in function gaiaXmlToBlob
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSchemaNewDocParserCtxt referenced in function gaiaXmlToBlob
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlReadFile referenced in function gaiaXmlToBlob
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSetGenericErrorFunc referenced in function gaiaXmlToBlob
7>spatialite.lib(virtualxpath.obj) : error LNK2001: unresolved external symbol xmlSetGenericErrorFunc
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol uncompress referenced in function gaiaXmlTextFromBlob
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlDocDumpFormatMemory referenced in function gaiaXmlLoad
```

7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlXPathFreeObject referenced in function gaiaXmlGetInternalSchemaURI
7>spatialite.lib(virtualxpath.obj) : error LNK2001: unresolved external symbol xmlXPathFreeObject
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlXPathFreeContext referenced in function gaiaXmlGetInternalSchemaURI
7>spatialite.lib(virtualxpath.obj) : error LNK2001: unresolved external symbol xmlXPathFreeContext
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlFreeNode referenced in function setIsold
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlReplaceNode referenced in function setIsold
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlAddChild referenced in function setIsold
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlNewText referenced in function setIsold
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlNewNode referenced in function setIsold
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol __imp_xmlFree referenced in function gaiaXmlBlobSetFileId
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSetNs referenced in function addIsold
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlNewNs referenced in function addIsold
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlAddNextSibling referenced in function addIsold
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlAddPrevSibling referenced in function addIsold
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSearchNs referenced in function addIsold
7>spatialite.lib(gg_xml.obj) : error LNK2019: unresolved external symbol xmlSearchNsByHref referenced in function addIsold
7>spatialite.lib(virtualxpath.obj) : error LNK2019: unresolved external symbol xmlXPathFreeCompExpr referenced in function gaiaValidXPathExpression
7>spatialite.lib(virtualxpath.obj) : error LNK2019: unresolved external symbol xmlXPathCompile referenced in function gaiaValidXPathExpression
7>spatialite.lib(virtualxpath.obj) : error LNK2019: unresolved external symbol xmlXPathEvalExpression referenced in function vxpath_eval_expr
7>spatialite.lib(virtualxpath.obj) : error LNK2019: unresolved external symbol xmlXPathRegisterNs referenced in function vxpath_eval_expr
7>spatialite.lib(virtualxpath.obj) : error LNK2019: unresolved external symbol xmlXPathNewContext referenced in function vxpath_eval_expr
7>spatialite.lib(virtualXL.obj) : error LNK2019: unresolved external symbol freexl_get_cell_value referenced in function vXL_create
7>spatialite.lib(virtualXL.obj) : error LNK2019: unresolved external symbol freexl_worksheet_dimensions referenced in function vXL_create
7>spatialite.lib(virtualXL.obj) : error LNK2019: unresolved external symbol freexl_select_active_worksheet referenced in function vXL_create
7>spatialite.lib(virtualXL.obj) : error LNK2019: unresolved external symbol freexl_get_info referenced in function vXL_create
7>spatialite.lib(virtualXL.obj) : error LNK2019: unresolved external symbol freexl_close referenced in function vXL_create
7>spatialite.lib(virtualXL.obj) : error LNK2019: unresolved external symbol freexl_open referenced in function vXL_create
7>spatialite.lib(gg_utf8.obj) : error LNK2019: unresolved external symbol locale_charset referenced in function gaiaGetLocaleCharset
7>spatialite.lib(gg_utf8.obj) : error LNK2019: unresolved external symbol __imp_libiconv_close referenced in function gaiaConvertCharset
7>spatialite.lib(gg_shape.obj) : error LNK2001: unresolved external symbol __imp_libiconv_close
7>spatialite.lib(gg_utf8.obj) : error LNK2019: unresolved external symbol __imp_libiconv referenced in function gaiaConvertCharset
7>spatialite.lib(gg_shape.obj) : error LNK2001: unresolved external symbol __imp_libiconv
7>spatialite.lib(gg_utf8.obj) : error LNK2019: unresolved external symbol __imp_libiconv_open referenced in function gaiaConvertCharset
7>spatialite.lib(gg_shape.obj) : error LNK2001: unresolved external symbol __imp_libiconv_open

7>D:\\home\\qgis_app\\QGIS\\build64\\output\\bin\\Release\\qgis_core.dll : fatal error LNK1120: 52 unresolved externals

81>C:\\Program Files (x86)\\MSBuild\\Microsoft.Cpp\\v4.0\\Microsoft.CppCommon.targets(151,5): error MSB6006: "cmd.exe" exited with code -1073741515.

81>
81>Build FAILED.
81>
81>Time Elapsed 00:00:00.30

Any ideas what am missing?

regards
pgathogo

#2 - 2015-04-07 12:34 PM - Giovanni Manghi

- Resolution set to invalid

- *Status changed from Open to Closed*

Hi,

please post this question on the developer mailing list, the tracker is for reporting bugs and asking for features. Cheers!