
Subject: 3rd party code updates
Posted by [mirek](#) on Thu, 03 Sep 2020 15:10:07 GMT
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In preparation of 2020.2 I have upgraded some 3rd party code:

OpenSSL (in Win32 release) to 1.1.1g
plugin/jpg to 9d
plugin/tif to 4.1.0
plugin/lz4 to 1.9.2
plugin/zstd to 1.4.5
plugin/pcre to 8.44

in addition to other contributed upgrades:

plugin/sqlite3 to 3.33
plugin/glew to 2.2.0
plugin/Eigen to master branch commit C1D944DD (9/May/2020)

Subject: Re: 3rd party code updates
Posted by [Novo](#) on Thu, 03 Sep 2020 15:31:39 GMT
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This update broke compilation of reference/AnimatedClip (debug) with clang-mingw.

In file included from

/home/ssg/.local/soft/bb-worker/worker/mingw-upp/build/uppsrc/plugin/tif/lib/tif_fax3sm.c:3:
/home/ssg/.local/soft/bb-worker/worker/mingw-upp/build/uppsrc/plugin/tif/lib/tiff.h:75:21: error:
expected ';' after top level declarator
typedef TIFF_INT64_T int64;
 ^

 ;
/home/ssg/.local/soft/bb-worker/worker/mingw-upp/build/uppsrc/plugin/tif/lib/tiff.h:76:9: error:
typedef redefinition with different types ('unsigned int' vs 'int')
typedef TIFF_UINT64_T uint64;
 ^

/home/ssg/.local/soft/bb-worker/worker/mingw-upp/build/uppsrc/plugin/tif/lib/tiffconf.h:31:33: note:
expanded from macro 'TIFF_UINT64_T'
#define TIFF_UINT64_T unsigned __int64
 ^

/home/ssg/.local/soft/bb-worker/worker/mingw-upp/build/uppsrc/plugin/tif/lib/tiff.h:75:9: note:
previous definition is here
typedef TIFF_INT64_T int64;
 ^

/home/ssg/.local/soft/bb-worker/worker/mingw-upp/build/uppsrc/plugin/tif/lib/tiffconf.h:30:30: note:
expanded from macro 'TIFF_INT64_T'
#define TIFF_INT64_T signed __int64

^

In file included from

/home/ssg/.local/soft/bb-worker/worker/mingw-upp/build/uppsrc/plugin/tif/lib/tif_fax3sm.c:3:

/home/ssg/.local/soft/bb-worker/worker/mingw-upp/build/uppsrc/plugin/tif/lib/tiff.h:76:22: error:
expected ';' after top level declarator

typedef TIFF_UINT64_T uint64;

^

;

/home/ssg/.local/soft/bb-worker/worker/mingw-upp/build/uppsrc/plugin/tif/lib/tiff.h:105:2: error:
unknown type name 'uint64'

uint64 tiff_diroff; /* byte offset to first directory */

^

Subject: Re: 3rd party code updates

Posted by [mirek](#) on Thu, 03 Sep 2020 17:47:13 GMT

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Thanks for reporting, hopefully fixed (please check).

Subject: Re: 3rd party code updates

Posted by [Novo](#) on Thu, 03 Sep 2020 18:28:23 GMT

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Everything is fine now.

Thanks!

Subject: Re: 3rd party code updates

Posted by [Klugier](#) on Fri, 04 Sep 2020 01:05:07 GMT

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Hello,

Seems like plugin/sqlite3 generates warnings with new version:

/home/klugier/upp/uppsrc/plugin/sqlite3/lib/sqlite3mc_amalgamation.c (261013): warning: passing
'char [4]' to parameter of type 'const u8 *' (aka 'const unsigned char *') converts between pointers
to integer types with different sign [-Wpointer-sign]

/home/klugier/upp/uppsrc/plugin/sqlite3/lib.c (8): In file included from

/home/klugier/upp/uppsrc/plugin/sqlite3/lib.c:8:

() : pageNo = sqlite3Get4byte(a c);

/home/klugier/upp/uppsrc/plugin/sqlite3/lib/sqlite3mc_amalgamation.c (32520): note: passing
argument to parameter 'p' here

```
() : SQLITE_PRIVATE u32 sqlite3Get4byte(const u8 * p ){  
/home/klugier/upp/uppsrc/plugin/sqlite3/lib/sqlite3mc_amalgamation.c (261271): warning: passing  
'char [4]' to parameter of type 'const u8 *' (aka 'const unsigned char *') converts between pointers  
to integer types with different sign [-Wpointer-sign]
```

Klugier

Subject: Re: 3rd party code updates
Posted by [Novo](#) on Fri, 04 Sep 2020 04:37:33 GMT
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This cannot be fixed. This is third-party code.

Subject: Re: 3rd party code updates
Posted by [mirek](#) on Fri, 04 Sep 2020 07:15:45 GMT
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Novo wrote on Fri, 04 September 2020 06:37This cannot be fixed. This is third-party code.

In theory, you are right. In practice, I have fixed it :)

Mirek

Subject: Re: 3rd party code updates
Posted by [Klugier](#) on Fri, 04 Sep 2020 19:46:54 GMT
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Hello Novo,

In the package configuration there is an option "No warnings", so everyone 3D could be tune up to do not produce any warnings.

Anyway Mirek's fix is fine.

Klugier
