
Subject: Can't compile U++ on most Linux distributions

Posted by [amrein](#) on Fri, 30 Dec 2016 18:25:22 GMT

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Hi

I have the same compilation errors on several Linux distribution : CentOS 7, Redhat 7, openSUSE Leap 42.2, OpenSUSE 13.2.

All related to Sort() templates from Sort.h.

Is it compiler related? Any tips?

```
[ 244s] c++ -c -x c++ -O3 -ffunction-sections -fdata-sections -std=c++11 -l. -pthread
-l/usr/include/gtk-2.0 -l/usr/lib64/gtk-2.0/include -l/usr/include/pango-1.0
-l/usr/include/gdk-pixbuf-2.0 -l/usr/include/libpng16 -l/usr/include/pango-1.0 -l/usr/include/harfbuzz
-l/usr/include/cairo -l/usr/include/pixman-1 -l/usr/include/freetype2 -l/usr/include/libdrm
-l/usr/include/libpng16 -l/usr/include/pango-1.0 -l/usr/include/atk-1.0 -l/usr/include/glib-2.0
-l/usr/lib64/glib-2.0/include -DflagGUI -DflagMT -DflagGCC -DflagSHARED -DflagLINUX
-DflagPOSIX -DflagMAIN ide/BaseDlg.cpp -o
/home/abuild/rpmbuild/BUILD/upp-x11-src-10607M/out/ide//home/cxl/Scripts/GCCMK.bm-Gcc-Gui
-Linux-Main-Mt-Posix-Shared/BaseDlg.o
[ 248s] In file included from ./Core/Core.h:329:0,
[ 248s]      from ./Esc/Esc.h:4,
[ 248s]      from ./ide/Core/Core.h:4,
[ 248s]      from ./ide/Common/Common.h:4,
[ 248s]      from ide/ide.h:4,
[ 248s]      from ide/BaseDlg.cpp:1:
[ 248s] ./Core/Map.hpp: In member function 'void Upp::Index<T>::Sweep()':
[ 248s] ./Core/Map.hpp:268:8: error: call of overloaded 'Sort(Upp::Vector<int>&)' is ambiguous
[ 248s] Sort(b);
[ 248s]      ^
[ 248s] ./Core/Map.hpp:268:8: note: candidates are:
[ 248s] In file included from ./Core/Core.h:269:0,
[ 248s]      from ./Esc/Esc.h:4,
[ 248s]      from ./ide/Core/Core.h:4,
[ 248s]      from ./ide/Common/Common.h:4,
[ 248s]      from ide/ide.h:4,
[ 248s]      from ide/BaseDlg.cpp:1:
[ 248s] ./Core/Sort.h:119:6: note: void Upp::Sort(Range&) [with Range = Upp::Vector<int>]
[ 248s] void Sort(Range& c)
[ 248s]      ^
[ 248s] ./Core/Sort.h:125:6: note: void Upp::Sort(Range&&) [with Range = Upp::Vector<int>&]
[ 248s] void Sort(Range&& c) { Sort(c); }
```

```

[ 248s]         from ./ide/Core/Core.h:4,
[ 248s]         from ./ide/Common/Common.h:4,
[ 248s]         from ide/ide.h:4,
[ 248s]         from ide/BaseDlg.cpp:1:
[ 248s] ./Core/Map.hpp: In member function 'void Upp::AMap<K, T, V>::Sweep()':
[ 248s] ./Core/Map.hpp:590:8: error: call of overloaded 'Sort(Upp::Vector<int>&)' is ambiguous
[ 248s] Sort(b);
[ 248s]     ^
[ 248s] ./Core/Map.hpp:590:8: note: candidates are:
[ 248s] In file included from ./Core/Core.h:269:0,
[ 248s]     from ./Esc/Esc.h:4,
[ 248s]     from ./ide/Core/Core.h:4,
[ 248s]     from ./ide/Common/Common.h:4,
[ 248s]     from ide/ide.h:4,
[ 248s]     from ide/BaseDlg.cpp:1:
[ 248s] ./Core/Sort.h:119:6: note: void Upp::Sort(Range&) [with Range = Upp::Vector<int>]
[ 248s] void Sort(Range& c)

[ 248s]     ^
[ 248s] ./Core/Sort.h:125:6: note: void Upp::Sort(Range&&) [with Range = Upp::Vector<int>&]
[ 248s] void Sort(Range&& c) { Sort(c); }

[ 248s]     ^
[ 250s] Makefile:614: recipe for target
'/home/abuild/rpmbuild/BUILD/upp-x11-src-10607M/out/ide//home/cxl/Scripts/GCCMK.bm-Gcc-Gu
i-Linux-Main-Mt-Posix-Shared/BaseDlg.o' failed
[ 250s] make: ***
[/home/abuild/rpmbuild/BUILD/upp-x11-src-10607M/out/ide//home/cxl/Scripts/GCCMK.bm-Gcc-G
ui-Linux-Main-Mt-Posix-Shared/BaseDlg.o] Error 1
[ 250s] make: Leaving directory '/home/abuild/rpmbuild/BUILD/upp-x11-src-10607M/uppsrc'
[ 250s] error: Bad exit status

```