
Subject: Re: Compiling on Linux...

Posted by [waxblood](#) on Sat, 02 Jun 2007 11:42:01 GMT

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atmks wrote on Mon, 28 May 2007 20:29

hi

im using ubuntu too(6.06) and i can compile...

try other version of gcc, my is:

```
$ gcc --version
```

```
gcc (GCC) 4.0.3 (Ubuntu 4.0.3-1ubuntu5)
```

and im using uppsrc from svn

My is 4.1.2. 4.0 version is no longer available in Feisty.

With 3.4 it displays the same asm clobbering error.

With 3.3 it succeeds compiling Cpu.cpp and all the required files, but in the linking phase displays this (I'm still using 705-dev3 sources on Xubuntu Feisty)

```
/home/da/upp/out/CancellamiPure2/GCC.Debug.Gui.Main.Shared.S
o/main.o:(.gnu.linkonce.d._ZTI15CancellamiPure2+0x0): undefined reference to `vtable for
__cxxabiv1::__si_class_type_info'
/home/da/upp/out/CancellamiPure2/GCC.Debug.Gui.Main.Shared.S o/main.o: In function
`operator delete(void*)':
main.cpp:(.gnu.linkonce.t._ZdlPv+0x39): undefined reference to `__cxa_call_unexpected'
/home/da/upp/out/CancellamiPure2/GCC.Debug.Gui.Main.Shared.S
o/main.o:(.gnu.linkonce.d._ZTI25WithCancellamiPure2LayoutIN3U
pp9TopWindowEE+0x0): undefined reference to `vtable for __cxxabiv1::__vmi_class_type_info'
/home/da/upp/out/CancellamiPure2/GCC.Debug.Gui.Main.Shared.S
o/main.o:(.gnu.linkonce.d._ZTI28CancellamiPure2Layout__layid +
0x0): undefined reference to `vtable for __cxxabiv1::__class_type_info'
/home/da/upp/out/CancellamiPure2/GCC.Debug.Gui.Main.Shared.S
o/main.o:(.gnu.linkonce.d.DW.ref.__gxx_personality_v0+0x0): u
ndefined reference to `__gxx_personality_v0'
/home/da/upp/out/Core/GCC.Debug.Gui.Shared.So/$blitz.o: In function
`Upp::Stream::LoadError()':
$blitz.cpp:(.text+0xdab4): undefined reference to `__cxa_allocate_exception'
$blitz.cpp:(.text+0xdad0): undefined reference to `__cxa_throw'
/home/da/upp/out/Core/GCC.Debug.Gui.Shared.So/$blitz.o: In function
`Upp::Load(Upp::Callback1<Upp::Stream>, Upp::Stream&
)':
$blitz.cpp:(.text+0x11d3d): undefined reference to `__cxa_begin_catch'
$blitz.cpp:(.text+0x11da9): undefined reference to `__cxa_end_catch'
$blitz.cpp:(.text+0x11dce): undefined reference to `__cxa_end_catch'
/home/da/upp/out/Core/GCC.Debug.Gui.Shared.So/$blitz.o: In function
`Upp::ValueArray::ValueArray[not-in-charge](Upp::Valu
e const&)':
```

```
$blitz.cpp:(.text+0x1ff52): undefined reference to `__dynamic_cast'
/home/da/upp/out/Core/GCC.Debug.Gui.Shared.So/$blitz.o: In function
`Upp::ValueArray::ValueArray[in-charge](Upp::Value co
nst&)':
$blitz.cpp:(.text+0x2000e): undefined reference to `__dynamic_cast'
/home/da/upp/out/Core/GCC.Debug.Gui.Shared.So/$blitz.o: In function `.L6400':
$blitz.cpp:(.text+0x2a1ae): undefined reference to `__cxa_allocate_exception'
$blitz.cpp:(.text+0x2a1df): undefined reference to `__cxa_free_exception'
$blitz.cpp:(.text+0x2a209): undefined reference to `__cxa_throw'
$blitz.cpp:(.text+0x2a283): undefined reference to `__cxa_allocate_exception'
$blitz.cpp:(.text+0x2a2bd): undefined reference to `__cxa_free_exception'
$blitz.cpp:(.text+0x2a2ea): undefined reference to `__cxa_throw'
$blitz.cpp:(.text+0x2a364): undefined reference to `__cxa_allocate_exception'
$blitz.cpp:(.text+0x2a39e): undefined reference to `__cxa_free_exception'
$blitz.cpp:(.text+0x2a3c8): undefined reference to `__cxa_throw'
$blitz.cpp:(.text+0x2a455): undefined reference to `__cxa_begin_catch'
$blitz.cpp:(.text+0x2a47c): undefined reference to `__cxa_end_catch'
$blitz.cpp:(.text+0x2a48f): undefined reference to `__cxa_end_catch'
```

note that these are only the first lines, but the problem is always the same, missing references to
__cxa???????????

BTW, to force Upp using a particular version of GCC, I had to write in Setup->Build
methods->Compiler name field

gcc -V 3.3

I've previously tried to set Debug options to

-V 3.3 -O0

but it tells me -V 3.3 must go at the beginning of the command line.

Where is the right place to specify compiler's version in Upp? A dedicated field would be more
appropriate.

Explicative popups on fields labels would be useful, too.

Ciao,
David