
Subject: Mingw/GCC 4.4.0 linker warnings

Posted by [ncompoop](#) on Fri, 17 Jul 2009 09:16:46 GMT

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After I upgraded the compiler from 4.2.1 to 4.4.0, I started experience numerous linker warnings on the Windows platform only, Linux platform is fine. So it is probably a GCC and Windows thing, but I would like if anybody could offer me an explanation to why?

Here comes the warnings:

```
c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:  
C:/p/upp2009/out/RichText/MINGW.Gui\RichText.a(TxtData.o): warning:  
g: duplicate section `._rdata$_ZTSN3Upp14DeepCopyOptionINS_7RichTxt4ParaENS_10Empt  
yClassEEE[typeinfo name for Upp::DeepCopyOption<Upp::  
RichTxt::Para, Upp::EmptyClass>]' has different size
```

```
c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:  
C:/p/upp2009/out/RichText/MINGW.Gui\RichText.a(TextData.o): warning:  
ng: duplicate section `._rdata$_ZTSN3Upp14DeepCopyOptionINS_7RichTxt4ParaENS_10Empt  
yClassEEE[typeinfo name for Upp::DeepCopyOption<Upp:  
:RichTxt::Para, Upp::EmptyClass>]' has different size
```

```
c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:  
C:/p/upp2009/out/RichText/MINGW.Gui\RichText.a(TxtPaint.o): warning:  
ng: duplicate section `._rdata$_ZTSN3Upp14DeepCopyOptionINS_7RichTxt4ParaENS_10Empt  
yClassEEE[typeinfo name for Upp::DeepCopyOption<Upp:  
:RichTxt::Para, Upp::EmptyClass>]' has different size
```

```
c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:  
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Convert.o): warning: dupli  
cate section `._rdata$_ZTSN3Upp8MoveableINS_6StringENS_7AStringINS_7String  
0EEEEEE[typeinfo name for Upp::Moveable<Upp::String, Upp::ASt  
ring<Upp::String0> >]' has different size
```

```
c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:  
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Convert.o): warning: dupli  
cate section `._rdata$_ZTSN3Upp8MoveableINS_7String0ENS_10EmptyClassEEE[ty  
peinfo name for Upp::Moveable<Upp::String0, Upp::EmptyClass>]  
' has different size
```

```
c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:  
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Stream.o): warning: duplic  
ate section `._rdata$_ZTVN3Upp7FileOutE[vtable for Upp::FileOut]' has different size
```

```
c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:  
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Stream.o): warning: duplic  
ate section `._rdata$_ZTVN3Upp6FileInE[vtable for Upp::FileIn]' has different size
```

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(t.o): warning: duplicate section `._rdata\$_ZTSN3Upp8MoveableINS_6StringENS_7AStringINS_7String 0EEEEEE[typeinfo name for Upp::Moveable<Upp::String, Upp::AString<Up p::String0> >] has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(t.o): warning: duplicate section `._rdata\$_ZTSN3Upp8MoveableINS_7String0ENS_10EmptyClassEEE[typeinfo name for Upp::Moveable<Upp::String0, Upp::EmptyClass>] has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Value.o): warning: duplicate section `._rdata\$_ZTVN3Upp5Value4VoidE[vtable for Upp::Value::Void] has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Gtypes.o): warning: duplicate section `._rdata\$_ZTVN3Upp5Value4VoidE[vtable for Upp::Value::Void] has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Gtypes.o): warning: duplicate section `._rdata\$_ZTVN3Upp12RichValueRepINS_5Rect_liEEEE[vtable for Upp::RichValueRep<Upp::Rect_<int> >] has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Gtypes.o): warning: duplicate section `._rdata\$_ZTSN3Upp12RichValueRepINS_5Rect_liEEEE[typeinfo name for Upp::RichValueRep<Upp::Rect_<int> >] has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Gtypes.o): warning: duplicate section `._rdata\$_ZTSN3Upp11RawValueRepINS_5Rect_liEEEE[typeinfo name for Upp::RawValueRep<Upp::Rect_<int> >] has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Gtypes.o): warning: duplicate section `._rdata\$_ZTVN3Upp11RawValueRepINS_5Rect_liEEEE[vtable for Upp::RawValueRep<Upp::Rect_<int> >] has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Color.o): warning: duplicate section `._rdata\$_ZTVN3Upp12RichValueRepINS_5ColorEEE[vtable for Upp::RichValueRep<Upp::Color>] has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Color.o): warning: duplicate

te section `._rdata\$_ZTSN3Upp12RichValueRepINS_5ColorEEE[typeinfo name for Upp::RichValueRep<Upp::Color>]' has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Color.o): warning: duplicate section `._rdata\$_ZTVN3Upp11RawValueRepINS_5ColorEEE[vtable for Upp::RawValueRep<Upp::Color>]' has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Color.o): warning: duplicate section `._rdata\$_ZTVN3Upp5Value4VoidE[vtable for Upp::Value::Void]' has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Util.o): warning: duplicate section `._rdata\$_ZTVN3Upp6FileInE[vtable for Upp::FileIn]' has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(Uuid.o): warning: duplicate section `._rdata\$_ZTVN3Upp5Value4VoidE[vtable for Upp::Value::Void]' has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(parser.o): warning: duplicate section `._rdata\$_ZTSN3Upp8MoveableINS_6StringENS_7AStringINS_7String0EEEEEE[typeinfo name for Upp::Moveable<Upp::String, Upp::AString<Upp::String0>>]' has different size

c:/p/mingw4/bin/..../lib/gcc/mingw32/4.4.0/..../..../mingw32 /bin/ld.exe:
C:/p/upp2009/out/Core/MINGW.Gui\Core.a(parser.o): warning: duplicate section `._rdata\$_ZTSN3Upp8MoveableINS_7String0ENS_10EmptyClassEEE[typeinfo name for Upp::Moveable<Upp::String0, Upp::EmptyClass>]'
has different size
