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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): warnin
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): warni
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): warni
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::AStr
ing<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[ty
peinfo 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(t.o): warning: duplicate 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(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::RichValue
Rep<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[ty peinfo 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[ty peinfo 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::RawValue
Rep<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::RichValue
Rep<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\_7String0EEEE[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[ty peinfo name for Upp::Moveable<Upp::String0, Upp::EmptyClass>]' has different size