Subject: Re: GCC compilation options
Posted by mirek on Wed, 30 Dec 2009 17:53:13 GMT

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Zbych wrote on Tue, 29 December 2009 15:50luzr wrote on Tue, 29 December 2009 17:36At least in Linux and BSD, it did not seem to result in any difference in binary size.

You will not see huge size reduction of big applications, because such applications use a lot of functions from u++, so there is almost nothing to remove.
The biggest difference is in small applications.
I've made simple MT tcp/ip server. Without --gc-sections size of application was ~1,5MB. After I added --gc-sections size decreased to 0,4MB. For me it is a huge difference.

Compilation results for some applications from u++ package:
Application | size [B] without dead code removal | size [B] with dead code removal | Size reduction
---|---------------------
ide | 5809896 | 5148244 | 11,4%
Gui01 | 1760072 | 1090132 | 38%
HomeBudget | 3641508 | 2037696 | 44%

gcc version 4.4.1, all applications optimized for size.

Well, things definitely improved! This is good news.

Now I only have to decide whether to hardcode it or rather put another "Link options" field into Build methods and set it as default...