

Re: Compiler chooses conv ctor – why?

Source: <http://www.tech-archive.net/Archive/VC/microsoft.public.vc.language/2008-04/msg00605.html>

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Hello,

Victor Bazarov wrote:

Huh? Elimination of the copy is allowed, but not required. Even if it is forgone (the compiler decides to optimize it away), the copy-ctor has to be available `_as_if_` it were used (12.8/15).

I know that checking of access or not would be stupid. It would involve that the same program is ill-formed when not optimized and well-formed when optimized. Assuming that access checking is an element of the copy construction, and after 12.8[15] states that „an implementation is allowed to omit the copy construction" the situation has been not so clear for me. Hopefully, newer working drafts have paragraph 12.8[16], which unambiguously clears everything.

— best regards

Cezary Noweta

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