Subject: Re: What is the difference between the memory management in C and C++?
Posted by dolik.rce on Wed, 07 Dec 2011 07:52:31 GMT
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Hi duckworth,

duckworth wrote on Wed, 07 December 2011 07:46I want to know mostly the disadvantages of malloc() used is C and the advantages of the New operator used in C++.

This is not really U++ related question and it definitely doesn't belong to this category... but welcome to the forum anyway

Big disadvantage of malloc is, that it is not type safe. You won't get compiler error when doing something likeint* i = static_cast<int*>(malloc(sizeof(short)));This simple example looks like a programmers stupidity, but it is easy to do something like this in more complex situations... and also pain to debug

Also, new takes calls constructor, so you don't have to worry about using uninitialized memory. (Same goes for delete, which calls destructor)

Malloc is a low level approach, that you should never need in normal C++ usage.

Best regards,
Honza