

## Re: Looks like memory leak

**Source:** <http://www.tech-archive.net/Archive/VC/microsoft.public.vc.stl/2004-10/0052.html>

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**From:** German (*german.koninin\_at\_crmDASHworldwideDOTnet*)

**Date:** 10/14/04

Date: Thu, 14 Oct 2004 16:14:57 +0200

The problem is that memory is not reusable, but growing. Each time I run my method, each time it is growing for about 150k.

"Igor Tandetnik" <itandetnik@mvps.org> wrote in message  
news:#jgwnZfsEHA.3740@tk2msftngp13.phx.gbl...

> "German" <german.koninin@crmDASHworldwideDOTnet> wrote in message

> news:%23NpW\$8esEHA.2956@TK2MSFTNGP12.phx.gbl

>> My program that is using STL so much eat memory. So I created a new

>> one. Very simple MFC dialog based. That program contains one vector

>> as a member variable of CDialog class. Then I have some function that

>> fill it. In the beginning of that function is a .clear() method call.

>> When I run the method first time it takes some memory (for container

>> I suppose). It is about 150k. After method running there is about 150

>> records there in the container. Then I call that method second time

>> and set a break point on .clear() call. I press F10. In Task

>> Manager I see that memory usage of my program is the same before and

>> after clear() call. So it looks like vector is not cleared. I've

>> tried erase (begin(), end()), but the result is the same.

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> The vector is cleared, the memory is simply not returned back to the OS.

> If you fill the vector again, it will use the memory already allocated

> earlier.

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> The memory leak occurs if you repeat the same operation multiple times,

> and the memory consumption keeps growing. A memory jumping at the

> beginning and then remaining steady is a normal memory consumption

> pattern for a Windows application.

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> With best wishes,

> Igor Tandetnik

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> "On two occasions, I have been asked [by members of Parliament], 'Pray,

> Mr. Babbage, if you put into the machine wrong figures, will the right

> answers come out?' I am not able to rightly apprehend the kind of

> confusion of ideas that could provoke such a question." -- Charles

> Babbage

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