

Re: Release-mode only failure when comparing STL list::iterator-s

Source: <http://www.tech-archive.net/Archive/VC/microsoft.public.vc.stl/2006-04/msg00051.html>

- *From:* peter.koch.larsen@xxxxxxxxxx
 - *Date:* 17 Apr 2006 01:09:01 -0700
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Ivan Vecerina skrev:

[snip]

Indeed, this seems to be a problem with a runtime-check infrastructure shared by iterators of all containers of this STL implementation.

Quite a nuisance.

I will consider the suggested workaround:

```
#define _SECURE_SCL to 0
```

But for now the alternative fix I found will do: compare the **addresses** of pointed-to elements instead of the iterators, i.e. `(a==b) --> (&*a==&*b)`

This works only so long as both a and b point to data if one of these equal end() you are technically dealing with undefined behavior. This could give you real life problems only if the library should decide to check for this. A real worry for debug builds.

/Peter

The most important for me is to know I have no undefined behavior in my code. I was able to verify this in the standard. (in the 1998 version of the standard that I have, this statement appears under 23.1/10:

```
<< no swap() function invalidates any references, pointers, or iterators referring to the elements of the containers being swapped. >>
```

Thank you Tom for your excellent pointers,
Ivan

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http://ivan.vecerina.com/contact/?subject=NG_POST <- email contact form

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