
Subject: Unsafe Deep Copy

Posted by [victorb](#) on Sat, 31 Mar 2007 10:11:13 GMT

[View Forum Message](#) <> [Reply to Message](#)

I think there might be an issue with the following code

```
template <class T, class B = EmptyClass>
class DeepCopyOption : public B {
public:
    friend T& operator<<=(T& dest, const T& src)
    { (&dest)->T::~~T(); ::new(&dest) T(src, 1); return dest; }
    ...
};
```

The issue occurs when you are self deep copying :

```
a <<= a;
```

One solution is

```
friend T& operator<<=(T& dest, const T& src)
{ if (&src != &dest) {(&dest)->T::~~T(); ::new(&dest) T(src, 1);} return dest; }
```

Subject: Re: Unsafe Deep Copy

Posted by [mirek](#) on Sat, 31 Mar 2007 15:58:38 GMT

[View Forum Message](#) <> [Reply to Message](#)

Thanks.

Mirek

Subject: Re: Unsafe Deep Copy

Posted by [mirek](#) on Sat, 31 Mar 2007 16:00:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

PS.: As this is not too serious flaw, I have fixed it in newcore only...

Mirek
