
Subject: Re: 07-06-23 Dev - MemoryDumpLeaks not member of UPP on Mac
Posted by [mirek](#) on Sun, 24 Jun 2007 09:13:41 GMT

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kcabobert wrote on Sat, 23 June 2007 23:12 In the latest development version as of 2007-06-23 (~18:00 CDT) on a Mac, I am getting errors related to MemoryDumpLeaks not being a member of UPP on line 478 of Core.h [in ~MemDiagCls()].

I am looking for the cause now, any ideas which might speed my search along?

Robert

Yes, I think this is related to the fact that I had to disable U++ memory allocator on Mac - and seems like the part about memory leaks detector was not excluded, try this (Core.h 470):

```
#if (defined(TESTLEAKS) || defined(_DEBUG)) && defined(PLATFORM_POSIX) &&  
!defined(PLATFORM_OSX11)
```

```
//Place it to the begining of each file to be the first function called in whole executable...
```

```
//$-  
struct MemDiagCls {  
    MemDiagCls() { if(!UPP::sMemDiagInitCount++) UPP::MemoryInitDiagnostics(); }  
    ~MemDiagCls() { if(!--UPP::sMemDiagInitCount) UPP::MemoryDumpLeaks(); }  
};  
static const MemDiagCls sMemDiagHelper;  
//$+
```

```
#endif
```

It is in fact quite interesting issue:

There is quite strong leak/boundary checking mechanism in U++.

Interestingly, due to the fact that Carbon libraries are written in C++, overloading operator new (and delete) overloads it for Carbon too.

And now comes the fun: U++ allocator seems to have detected "write past the end of buffer" problems in Carbon... (also possible that I have misinterpreted the issue or there is something else, but this seems to be the case...)