

# Memory Leak issue

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*Source:* <http://www.tech-archive.net/Archive/VC/microsoft.public.vc.mfc/2006-08/msg01872.html>

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  - *Date:* Mon, 14 Aug 2006 11:11:02 -0700
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Hi

I am having the product which is implemented in the following Microsoft technologies

MFC, COM dll, COM ocx , COM server, Windows static lib and windows dynamic library

Product functionality

The application is the real-time interface for monitoring and managing alerts from server. The product is a Windows-based system management console for managing event information. The presentation layer displays the alerts coming from the Server. The incoming alert rate is 3-4 alerts/sec. So continually some alerts are coming in and also going out from the application.

I need help in two aspects

We are running the application with Rational purify plus to remove the memory leak. It is also showing some of the memory leak in the MFC dlls.

Some are like

[W] MLK: Memory leak of 1036 bytes from 43 blocks allocated in C:\WINNT\system32\MFC42uD.DLL

[W] MLK: Memory leak of 192 bytes from 3 blocks allocated in DllUnregisterServer [MFCO42uD.DLL]

i. How to remove the above errors? Is there any patch or upgraded version of dll can be used in the application?

ii. Can we ignore the above memory leak?

We are measuring the Private bytes for the application using Sysinternals Process Explorer tool. Link for Sysinternals Process Explorer: <http://www.sysinternals.com/Utilities/ProcessExplorer.html>

## Memory Leak issue

i. The Private bytes are continually increasing with the time. Is it the normal behavior of the kind of application we are having?

ii. How it will affect to memory consumption over a period of time?

iii. If I restart my application Private bytes are again normalized. Is there any other way, we can control the private bytes?

We have also run Performance Monitor counters for Memory and process where we saw handle count , private bytes are showing increasing trend whereas Available bytes are exhausted

We have also enabled poolmon but not sure how to find out leak

Will appreciate a little help on this issue

Thanks & Regards,  
-Mitul

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