

Re: Memory Leak

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.csharp/2008-06/msg02217.html>

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I get "over 1G" on both "Mem Usage" and "VM Size", the VM Size is slightly lower but it's constant with "Mem Usage" so in this case "at least it looks like Mem Usage is just as reliable"

I have also downloaded the Process Explorer and "Private Bytes" keep going up and up, it does go down slightly at times but not as much as it goes up.

""Jeffrey Tan[MSFT]"" <jetan@xxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:qLhErFd0IHA.1788@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Hi Peter ,

Regarding .Net memory leak issue, an important step is determining if it is a managed leak or unmanaged memory leak.

Can you tell me what memory counter do you get "over 1G memory" result? Windows has a lot of memory counters which may cause fake memory leak conclusions. Basically, we should monitor "Process/Private Bytes"(or "VM Size" column in task manager.) counter to determine memory leak. Note: we should not use the "Mem Usage" column in task manager which is misleading. I highly recommend you to download Process Explorer tool from the link below since it is more powerful tool than task manager:
<http://technet.microsoft.com/en-us/sysinternals/bb896653.aspx>

Once the "Private Bytes" is keeping increasing without decrease, it means that the application is leaking memory. Now, you can monitor the ".Net CLR Memory/# Bytes in all Heaps" counter. If the "Private Bytes" increases while the ".Net CLR Memory" is stable, it indicates an unmanaged memory leak. Otherwise, it basically means a managed memory leak. The article below talks more information:

"I have a memory leak!!! What do i do? (defining the "where")"
<http://blogs.msdn.com/tess/archive/2005/11/25/i-have-a-memory-leak-what-do-i-do-defining-the-where.aspx>

I will wait for your further feedback to determine if it is a managed or unmanaged leak since they need totally different approach for

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troubleshooting. Thanks.

Best regards,
Jeffrey Tan
Microsoft Online Community Support

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