

Re: Pagefile use increase when repeatedly executing programs

# Re: Pagefile use increase when repeatedly executing programs

---

*Source:*

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.general/2006-12/msg02710.html>

---

- *From:* Bas <Bas@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
  - *Date:* Wed, 6 Dec 2006 01:01:01 -0800
- 

Yep, that was helpful. Now I know that it is the csrss.exe which is absorbing all the memory. There even is a knowledge base article on that problem related to cmd windows that are opened repeatedly:  
<http://support.microsoft.com/kb/903722>. Now I can contact microsoft to find out whether they have a hotfix as well for XP.

Bas

"John John" wrote:

Maybe this can help:

Using Performance Monitor to Identify a Pool Leak  
<http://support.microsoft.com/kb/130926/EN-US/>

John

Bas wrote:

Hi John, thanks for your help. I analysed the developments using perfmon (and memtriage) which give some insight in the numbers. It makes clear that system resources disappear when repeatedly executing a program, but I cannot find a specific process responsible. There are quite some changes in the kernel level as well, but that too deep in computer stuff for me.

The problem is not related to a specific software (although I discovered it using matlab) so contacting a vendor is rather useless, unfortunately. If a run a batch file for xcopy.exe it also leads to the same problems.

Bas

"John John" wrote:

## Re: Pagefile use increase when repeatedly executing programs

John John wrote:

Bas wrote:

I m doing some modeling analysis and use a batch file that executes a program for an enormous amount of times (> 10000). I came in trouble as my pagefile use steadily increases, until the system resources become scarce at a pagefile use of about 600MB and the system basically crashes. Each program that I want to execute after that gives the message "The application failed to initialize properly (0xc0000142). Click on OK to terminate the application."

Testing lead me to the conclusion that the problem was related to repeatedly executing a program, as repeating an xcopy operation (which has nothing to do with the modeling languages I use) for many times also lead to rapidly increasing pagefile use and a system crash. I have tried many solutions: I ve got all updates, increased the pagefile size, moved it to another disk partition, switched of virus scanner, updated my

Re: Pagefile use increase when repeatedly executing programs

computer bios,  
defragmented memory and  
pagefile,  
but still I m in trouble.  
Has any of you ever heard  
of a problem in XP  
Professional with rapidly  
increasing pagefile use  
when repeatedly executing a  
program? I would  
be very happy to find a  
solution.

Bas

Contact the application vendor. By the looks  
of it I would say that  
their application is not releasing memory  
from the non paged pool, that  
creates a pool leak, aka a memory leak. That  
causes a memory shortage  
because space occupied by the pool is not  
available for other  
applications when they start, it causes them  
to rely on an increasingly  
smaller amount of available memory from  
the finite non paged pool and  
forces them to make extensive use of the  
page file.

You could confirm that by doing a perfmon  
on the Nonpaged Pool objects  
and monitor what happens when you start  
and shutdown the application,  
from there you will see if the Nonpaged Pool  
Bytes keep on increasing.  
The Nonpaged Pool size should increase  
when the application is started,  
when you exit the application the nonpaged  
pool should return to its  
original size.

John

PS. I think I might have been half asleep when I thought this  
out this  
morning. If you see nothing amiss in the Nonpaged Pool then  
monitor the

Re: Pagefile use increase when repeatedly executing programs

Paged Pool bytes.

John