Subject: Re: Minor IDL code changes cause large slowdowns elsewhere in code
Posted by cedric on Thu, 11 Oct 2007 21:52:55 GMT
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On Oct 10, 12:05 pm, "R.G. Stockwell" <noem...@please.com> wrote:
> "cedric" <ced...@barrodale.com> wrote in message
>
> news:1192042534.817071.151580@19g2000hsx.googlegroups.com...
>
>> I have observed a problem in an IDL timber supply model that arose
>> after having made some changes to use tables instead of computations
>> in order to free up some memory space and to circumvent some involved
>> computations.
>
> offhand I would say that it is a memory problem. If you are causing any
> swapping to disk, that is a killer. Could be due to fragmentation - try
> allocating
> huge blocks of memory at the start, thay may help.
>
> Also, are you sure you did not introduce a memory leak with the
> modifications?
>
> Cheers,
> bob

Thanks for your response, Bob. I have tried pre-allocating large memory, and even rebooting, pre-allocating, and running with no other user processors. No improvement, unfortunately.
As for a memory leak, I could be wrong but I don't see how adding a data structure consisting of a few tables (30 x 50,000 - no pointers) could be a source of a memory leak. Also, looking at task manager, the memory seems to hold about constant after the first initial load (800 MB). Of course, I can't really be sure here. Any suggestions about how to detect a memory leak in an IDL process?