
Subject: Re: allocating memory
Posted by [Jean H.](#) on Thu, 18 Oct 2007 15:41:08 GMT
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krastoboy@gmail.com wrote:

- > I've the same problem!
- > I'm working with an image of 1.8 G. on a machine with 4GB of memory.
- > I've tried to use an half of the image but the problem still remains.
- >
- > Any suggestion?
- >
- > Thanks
- > Lo

Hi,

You can use the procedure memtest from ITTVIS in order to find out the size of the biggest array you could create.

Now, with windows, you can only have up to 2Gb of memory for any process... even if your computer has 42 Gb available!. There is a way to allocate up to 3 Gb, but this solution might make your system instable (I use it quite often here, and I never had any issue).

You have to do 2 things: in your windows startup file (boot.ini), add the option /3gb ... I suggest you not to modify the curent entry, but to add a new one so if your system doesn't like it, it is easy to use the normal configuration. Your entry should look somewhat like this:
multi(0)disk(0)rdisk(0)partition(2)\WINDOWS="Microsoft Windows XP Professional 3G" /noexecute=optin /fastdetect /3GB

Restart your computer in the 3Gb mode.

Now you also have to modify the ldl executable... I did it with v6.2 and v6.3 and it works perfectly. Again, make a copy of it, so you can choose to launch IDL with up to 3gb of memory or with up to 2gb.

So, using visual studio (the free version from Microsoft works well), you need to specify /LARGEADDRESSAWARE to the IDL executable (google it, I don't remember what to do). Now run this new exe, and run memtest again... you should see a big difference!

Personally, each time I need a lot of memory, I do it under Linux as there is no silly memory limitations!

Jean
