
Subject: Re: Swap memory utilization by IDL
Posted by [Foldy Lajos](#) on Thu, 26 Jan 2006 20:35:00 GMT
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Hi,

The maximum address space is 2GB for a process (3GB with some kernel tweaking) in a 32 bit system. >2GB physical memory and huge swap space is useful only if you have several processes running simultaneously.

You can try running 64 bit versions of linux and IDL, they have much larger limits :-)

regards,
lajos

On Thu, 26 Jan 2006, Sid wrote:

> Hi:
>
> I'm a newbie, and I'm trying to make simulations of the CMB (Cosmic
> Microwave Background) sky (I work in Cosmology).
>
> I have IDL 6.2 running on Mandriva Linux 10.1, kernel
> 2.6.8.1-26mdk-up-64-GB, on a Dell machine with 4 GB of RAM and 20 GB of
> swap space. Is there ANY way to make IDL use the swap space? Currently,
> the matrices I am trying to define exceed 4GB, and IDL always returns
> the error "Array has too many elements". Is there a way around it
> WITHOUT having to recompile the kernel? If I have to recompile the
> kernel, what exactly needs to be done?
>
> Any help will be greatly appreciated!
>
> Siddharth
> malu [dot] spam [at] GmAiL [dot] CoM
>
>

Subject: Re: Swap memory utilization by IDL
Posted by [Nigel Wade](#) on Fri, 27 Jan 2006 10:01:29 GMT
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Sid wrote:

> Hi:
>

- > I'm a newbie, and I'm trying to make simulations of the CMB (Cosmic
- > Microwave Background) sky (I work in Cosmology).
- >
- > I have IDL 6.2 running on Mandriva Linux 10.1, kernel
- > 2.6.8.1-26mdk-up-64-GB, on a Dell machine with 4 GB of RAM and 20 GB of
- > swap space. Is there ANY way to make IDL use the swap space? Currently,
- > the matrices I am trying to define exceed 4GB, and IDL always returns
- > the error "Array has too many elements". Is there a way around it
- > WITHOUT having to recompile the kernel? If I have to recompile the
- > kernel, what exactly needs to be done?
- >
- > Any help will be greatly appreciated!
- >
- > Siddharth
- > malu [dot] spam [at] GmAiL [dot] CoM

What processor do you have? To get more than 4GB you must have a 64bit processor, and 64bit versions of both Linux and IDL.

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Nigel Wade, System Administrator, Space Plasma Physics Group,
University of Leicester, Leicester, LE1 7RH, UK
E-mail : nmw@ion.le.ac.uk
Phone : +44 (0)116 2523548, Fax : +44 (0)116 2523555
