
Subject: Re: linux 64

Posted by [Robert Barnett](#) on Sun, 02 Oct 2005 08:34:11 GMT

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Hello,

Most Linux applications are compiled from source, thus you will find that most Linux distributions have everything compiled as 64 bit binaries. If you want to run 32-bit binaries then you have to install the 32-bit compatibility packages. Under fedora, you can install the 32-bit and 64-bit packages in parallel. However, this makes for a very messy system. I don't think that fedora/redhat has really sorted out how to effectively maintain 32bit and 64bit packages correctly. There are quite a few entries in fedora's bugzilla on this issue.

If you really require 32-bit then I would recommend asking RSI for a list of all dependant rpm packages so you can install just the required 32 bit dependancies. You will need to tinker with yum or redhat-update to install from both the i386 and x86_64 repositories.

If it's just for testing and debugging, then an idea might be to install 32 bit linux on another partition as a 'failsafe' sandbox. Or maybe you could run 32-bit linux from CD and then mount and su in as yourself. For both solutions you need to mount /home on the original partition.

On another note about IDL on Fedora Core 4. Has anyone found that object graphics do not work using hardware rendering? Xorg is supposed emulate 3d graphics even if the 3d graphics driver is not active/installed.

Cheers,
Robbie

Reimar Bauer wrote:

> Dear all

>

> that's more a system diagnostics question. Probably someone else has
> solved the same and could give hints.

>

>

> We have a bunch of AMD 64 bit linux machines and in 64 bit idl they all
> work .

>

> One of the machine shows a memory fault if the 32 bit version with idl
> -32 is called. There are some hints that it could depend on something
> missing in glibc because if on this machine many times netCDF files are
> readed we got a Bus error message or

```
> *** glibc detected *** malloc(): memory corruption: 0x0000000000b39180
> *** too.
> I thinks it's a problem on the machine and not an idl one. But where to
> start?
>
>
>
> cheers
> Reimar
>
>
> --
> Reimar Bauer
>
> Institut fuer Stratosphaerische Chemie (ICG-I)
> Forschungszentrum Juelich
> email: R.Bauer@fz-juelich.de
> -----
> a IDL library at ForschungsZentrum Juelich
> http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html
> =====
```
