

Re: NVidia glx stuff dies in sysarch(I386_SET_LDT, ...)

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2003-08/0082.html>

From: Julian Elischer (julian_at_elischer.org)

Date: 08/02/03

Date: Fri, 1 Aug 2003 16:20:05 -0700 (PDT)

To: deischen@freebsd.org

On Fri, 1 Aug 2003, Daniel Eischen wrote:

> *On Fri, 1 Aug 2003, Marcel Moolenaar wrote:*

>

>> *On Fri, Aug 01, 2003 at 06:51:33PM -0400, Daniel Eischen wrote:*

>>

>>> *LUCODE_SEL is used by kernel to load _ucodesel to user %cs*

>>> *LUDATA_SEL is used by kernel to load _udataset to user %ds, %es, %fs, %gs.*

>>> *I didn't check other ABIs, but setting to a fixed location of LDT in userland*

>>> *is also a bad idea, I think it will conflict with thread library soon,*

>>> *it is better to use dynamic allocating facility newly added in i386_set_ldt.*

>>>

>>> *Perhaps we need to rethink the interface and disallow*

>>> *specification of any ldt; only allow dynamic. We would*

>>> *need a different method of setting an array of them, though.*

>>

>> *Why not allow setting a specific entry when it's currently unused*

>> *and not reserved by us?*

>> *We can simply fail if the process is trying to set a LDT entry that's*

>> *currently being used or is reserved by us. The only case that causes*

>> *problems is when an existing LDT entry is overwritten by another*

>> *consumer.*

>

> *That's what I was worried about. Once an application or*

> *library is written to use specific LDTs, you never know*

> *how it will be affected by the use of threading libraries*

> *(or other libraries using threads).*

>

> *I can see the need to keep the old behaviour for compatibility's*

> *sake.*

How about we complain loudly on the console when it's done..

(for the first few times)

(with info on how to do it right)

freebsd-current: Re: NVidia glx stuff dies in sysarch(I386_SET_LDT, ...)

>

> --

> *Dan Eischen*

>

>

> _____
> *freebsd-current@freebsd.org mailing list*

> <http://lists.freebsd.org/mailman/listinfo/freebsd-current>

> *To unsubscribe, send any mail to "freebsd-current-unsubscribe@freebsd.org"*

>

freebsd-current@freebsd.org mailing list

<http://lists.freebsd.org/mailman/listinfo/freebsd-current>

To unsubscribe, send any mail to "freebsd-current-unsubscribe@freebsd.org"