

Re: [Dri-devel] [2.6 patch] disallow DRM on 386

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-01/5320.html>

From: Adrian Bunk (bunk_at_fs.tum.de)

Date: 01/21/04

Date: Wed, 21 Jan 2004 01:28:27 +0100
To: Alan Cox <alan@lxorguk.ukuu.org.uk>

On Wed, Jan 21, 2004 at 12:04:59AM +0000, Alan Cox wrote:

> On *Maw*, 2004-01-20 at 21:24, Adrian Bunk wrote:
>> I got the following compile error in 2.6.1-mm5 with X86_CMPXCHG=n.
>> This problem is not specific to -mm, and it always occurs when you
>> include support for the 386 cpu (oposed to the 486 or later cpus) since
>> in this case X86_CMPXCHG=n and therefoore cmpxchg isn't defined in
>> include/asm-i386/system.h .
>>
>> The patch below disallows DRM if X86_CMPXCHG=n.
>
> Ugly.
>
> Fix system.h to always define cmpxchg.h and check its presence at
> runtime when the DRM module loads, then you can build 386 kernels that
> support DRI on higher machines.
>
> The problem isnt that cmpxchg definitely doesn't exist, so system.h is
> wrong IMHO

???

AFAIR cmpxchg wasn't present in cpus earlier than the 486.

cu
Adrian

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"Is there not promise of rain?" Ling Tan asked suddenly out
of the darkness. There had been need of rain for many days.
"Only a promise," Lao Er said.

Pearl S. Buck - Dragon Seed

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