

Re: atomic reference counting primitives.

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/arch/2004-05/0088.html>

From: John Baldwin (jhb_at_FreeBSD.org)

Date: 05/24/04

To: Daniel Eischen <eischen@vigrd.com>

Date: Mon, 24 May 2004 14:59:04 -0400

On Monday 24 May 2004 10:50 am, Daniel Eischen wrote:

> *On Mon, 24 May 2004, John Baldwin wrote:*

> > *atomic_cmpset() is an "official" primitive. The problem is that Mike is*

> > *using an enum and assuming that all enum's are ints which is not*

> > *necessarily true. The code should perhaps use an int with #define's*

> > *instead to guarantee that the variable is an int and not a short, char,*

> > *or long.*

>

> *You can't use atomic_cmpset() in userland on 386, so*

> *if it is being used in libthr, the machine must be*

> *checked to make sure it will work, otherwise should*

> *fall back to something else...*

I'd be fine with it being a compile option to be honest. We already don't support 80386's out of the box since they need a custom kernel. I'd rather not pessimize world + dog for the 80386.

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