

Re: await & asleep

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From: Scott Long (scottl_at_samsco.org)

Date: 07/27/05

Date: Wed, 27 Jul 2005 10:35:01 -0600

To: Daniel Eischen <deischen@freebsd.org>

Daniel Eischen wrote:

> *On Wed, 27 Jul 2005, Norbert Koch wrote:*

>

>

>>>>*The functions `await()` and `asleep()` in `kern_synch.c`*

>>>>*are marked as `EXPERIMENTAL/UNTESTED`.*

>>>>*Is this comment still valid? Does anyone have used*

>>>>*those functions successfully? Should I better not*

>>>>*use them in my device driver code for `RELENG_4`?*

>>>>*How do I correctly cancel a request (as I should do*

>>>>*according to the man page): "`asleep(NULL, 0, NULL, 0)`"?*

>>>

>>>*The `await` family was removed in 5.x and beyond, so trying to*

>>>*use them in 4.x will make your driver very unportable. There*

>>>*are better ways than `await` to handle delayed events.*

>

>

> *Well, there's `tsleep()` and `wakeup()` for `FreeBSD < 5.0`. Other*

> *than that, what else can you do? These functions are deprecated*

> *in 5.x and 6.x in favor of `condvar(9)` and `mutex(9)`, so you should*

> *really use those instead of `tsleep()` and `wakeup()`.*

>

> *It seems the kernel in `-current` is still using `tsleep()` and*

> *`wakeup()` in some places. I thought we got rid of all these...*

>

???? Can you explain why `tsleep` and `wakeup` should no longer be used? I wasn't aware that they were formally deprecated.

Scott

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