
Subject: Re: [ckrm-tech] [PATCH 4/13] BC: context handling
Posted by [Paul Menage](#) on Thu, 23 Nov 2006 09:31:47 GMT
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On 11/23/06, Pavel Emelianov <xemul@openvz.org> wrote:

> You mean moving is like this:

>

> old_bc = task->real_bc;

> task->real_bc = new_bc;

> cmpxchg(&tsk->exec_bc, old_bc, new_bc);

>

> ? Then this won't work:

>

> Initialisation:

> current->exec_bc = init_bc;

> current->real_bc = init_bc;

> ...

> IRQ:

> current->exec_bc = init_bc;

> ...

> old_bc = tsk->real_bc; /* init_bc */

> tsk->real_bc = bc1;

> cx(tsk->exec_bc, init_bc, bc1); /* ok */

> ...

> Here at the middle of an interrupt

> we have bc1 set as exec_bc on task

> which IS wrong!

You could get round that by having a separate "irq_bc" that's never valid for a task not in an interrupt.

Paul
