
Subject: Re: [RFC][PATCH 0/4] Container Freezer
Posted by [Cedric Le Goater](#) on Thu, 21 Jun 2007 13:20:52 GMT
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Dave Hansen wrote:

> On Wed, 2007-06-20 at 18:22 +0200, Cedric Le Goater wrote:
>> I would be in favor of adding a new c/r signal like other operating systems
>> have done today and in the past. This is something to discuss.
>
> There was some talk of doing a new signal for CPU hotplug. But, that
> was shot down because it really requires library changes to work right.
> But, would this signal be completely kernel handled? What good is
> having a signal if userspace **isn't** going to handle it ever?

There are 2 reasons for such a signal.

The first is to be able to freeze a group of tasks before checkpointing it. the swsusp freezer does that already, with a stealth signal by faking it.

The second is to be able to run some code in the context of the current task. There's plenty of simple ways to get/set process and kernel states through syscalls. Why not use them ? Of course, we cannot do everything in user and, whenever needed ,we would use a kernel helper. memory is one requiring a big helper (swap).

It would also require to have a user space handler in some lib.

I'd like to address that topic at the C/R bof.

Thanks,

C.

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