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Subject: Re: [RFC][PATCH 2/5] Container Freezer: Make refrigerator always available

Posted by [rjw](#) on Sat, 26 Apr 2008 13:02:36 GMT

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On Friday, 25 of April 2008, Cedric Le Goater wrote:

> Pavel Machek wrote:

> > Hi!

> >

> >> Now that the TIF\_FREEZE flag is available in all architectures,  
> >> extract the refrigerator() and freeze\_task() from kernel/power/process.c  
> >> and make it available to all.

> >>

> >> The refrigerator() can now be used in a control group subsystem  
> >> implementing a control group freezer.

> >>

> >> Signed-off-by: Cedric Le Goater <clg@fr.ibm.com>

> >> Signed-off-by: Matt Helsley <matthltc@us.ibm.com>

> >> Tested-by: Matt Helsley <matthltc@us.ibm.com>

> >

> > There's no problem with doing this... but you should get some debate  
> > (with Linus?) whether using freezer for cgroups is sane.

>

> Yes that's what we are trying to know, is the fake signal mechanism  
> used by the freezer something we can build upon ?

Well, currently, the freezer doesn't send fake signals to kernel threads which turns out to be problematic, because some kernel threads behave very much like user space processes (basically, the threads related to NFS and CIFS).

I have an idea how to fix this issue, but I'm not sure if it's acceptable overall. I'll try to prepare a patch later today or tomorrow.

Thanks,  
Rafael

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