
Subject: Re: [RFC PATCH 5/5] Add a Signal Control Group Subsystem
Posted by [Cedric Le Goater](#) on Wed, 23 Apr 2008 15:17:53 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello Matt !

```
> Add a signal control group subsystem that allows us to send signals to all tasks
> in the control group by writing the desired signal(7) number to the kill file.
>
> NOTE: We don't really need per-cgroup state, but control groups doesn't support
> stateless subsystems yet.
>
> Signed-off-by: Matt Helsley <matthlrc@us.ibm.com>
> ---
> include/linux/cgroup_signal.h | 28 ++++++++
> include/linux/cgroup_subsys.h | 6 +
> init/Kconfig                  | 6 +
> kernel/Makefile               | 1
> kernel/cgroup_signal.c        | 129 +++++++++++++++++++++++++++++++++++++
> 5 files changed, 170 insertions(+)
```

I think there is a small race with new tasks entering the cgroup while it's being killed, and a `_fork` ops would handle that. nop ?

Thanks,

C.

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>

Subject: Re: [RFC PATCH 5/5] Add a Signal Control Group Subsystem
Posted by [Paul Menage](#) on Wed, 23 Apr 2008 15:37:45 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Wed, Apr 23, 2008 at 8:17 AM, Cedric Le Goater <clg@fr.ibm.com> wrote:

```
> Hello Matt !
>
> > Add a signal control group subsystem that allows us to send signals to all tasks
> > in the control group by writing the desired signal(7) number to the kill file.
> >
> > NOTE: We don't really need per-cgroup state, but control groups doesn't support
> > stateless subsystems yet.
> >
> > Signed-off-by: Matt Helsley <matthlrc@us.ibm.com>
```

```

> > ---
> > include/linux/cgroup_signal.h | 28 ++++++++
> > include/linux/cgroup_subsys.h | 6 +
> > init/Kconfig | 6 +
> > kernel/Makefile | 1
> > kernel/cgroup_signal.c | 129 +++++
> > 5 files changed, 170 insertions(+)
>
>
> I think there is a small race with new tasks entering the cgroup
> while it's being killed, and a _fork ops would handle that. nop ?
>

```

I never saw the actual patch (what lists did it go out to?) but I suspect that this is one of those operations that's just going to be inherently racy, and that the API should guarantee to affect all tasks that are members of the group for the entirety of the operation, but with no guarantees about what happens to tasks that enter or leave in the meantime.

Paul

Containers mailing list
 Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>

Subject: Re: [RFC PATCH 5/5] Add a Signal Control Group Subsystem
 Posted by [Matt Helsley](#) on Thu, 24 Apr 2008 07:00:27 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Wed, 2008-04-23 at 08:37 -0700, Paul Menage wrote:

```

> On Wed, Apr 23, 2008 at 8:17 AM, Cedric Le Goater <clg@fr.ibm.com> wrote:
> > Hello Matt !
> >
> > > Add a signal control group subsystem that allows us to send signals to all tasks
> > > in the control group by writing the desired signal(7) number to the kill file.
> > >
> > > NOTE: We don't really need per-cgroup state, but control groups doesn't support
> > > stateless subsystems yet.
> > >
> > > Signed-off-by: Matt Helsley <matthltc@us.ibm.com>
> > > ---
> > > include/linux/cgroup_signal.h | 28 ++++++++
> > > include/linux/cgroup_subsys.h | 6 +
> > > init/Kconfig | 6 +
> > > kernel/Makefile | 1
> > > kernel/cgroup_signal.c | 129 +++++

```

> > > 5 files changed, 170 insertions(+)
> >
> >
> > I think there is a small race with new tasks entering the cgroup
> > while it's being killed, and a _fork ops would handle that. nop ?
> >
>
> I never saw the actual patch (what lists did it go out to?) but I

Hi Paul,

Sorry about this. MTA issues again :(I think I've gotten them fixed
this time. I've resent them and you should have received your own copy
this time. Please let me know if you still aren't receiving them.

Cheers,
-Matt

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
