Subject: Re: v2.6.26-rc7/cgroups: circular locking dependency Posted by Max Krasnyanskiy on Tue, 24 Jun 2008 06:29:21 GMT

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## Peter Zijlstra wrote:

- > On Mon, 2008-06-23 at 00:34 +0900, KOSAKI Motohiro wrote:
- >> CC'ed Paul Jackson

>>

- >> it seems typical ABBA deadlock.
- >> I think cpuset use cgrou lock() by mistake.

>>

- >> IMHO, cpuset handle cpuhp() sholdn't use cgroup lock() and
- >> shouldn't call rebuild\_sched\_domains().

>

> Looks like Max forgot to test with lockdep enabled...

Hmm, I don't think I actually changed any lock nesting/dependencies. Did I ? Oh, I see rebuild\_sched\_domains() is now called from cpuset hotplug handler. I just looked at the comment for rebuild\_sched\_domains() and it says " \* Call with cgroup\_mutex held. ..." that's why I thought it's safe and it worked on the test stations.

Anyway, we need definitely need to make rebuild\_sched\_domains() work from the hotplug handler.

> Well, someone should when you change the online map.

>

> Max, Paul, can we handle this in update\_sched\_domains() instead?

That'd be exactly the same as calling rebuild\_sched\_domains() outside of the cgroup\_lock(). So I do not think it'll help. Paul has more info in his reply so I'll reply to his email.

Max

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