
Subject: Re: [PATCH] fix bad behavior in use_hierarchy file

Posted by [Tejun Heo](#) on Tue, 26 Jun 2012 17:55:13 GMT

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Hello,

On Tue, Jun 26, 2012 at 09:56:53AM +0200, Michal Hocko wrote:

> [Adding Ying to CC - they are using hierarchies AFAIU in their workloads]

Ooh, I'm they. :) Asking around.... okay, so google does use .use_hierarchy but it's a tree-wide thing and would be perfectly happy with a global switch.

> On Mon 25-06-12 13:49:08, Tejun Heo wrote:

> [...]

> > A bit of delta but is there any chance we can either deprecate

> > .use_hierarchy or at least make it global toggle instead of subtree

> > thing?

>

> So what you are proposing is to have all subtrees of the root either

> hierarchical or not, right?

Yeap. Just make it a global switch. Probably determined on mount time.

> > This seems needlessly complicated. :(

>

> Toggle wouldn't help much I am afraid. We would still have to

> distinguish (non)hierarchical cases. And I am not sure we can make

> everything hierarchical easily.

I'm kinda confused by this paragraph. What do you mean by "wouldn't help much"? Do you mean in terms of complexity?

> Most users (from my experience) ignored use_hierarchy for some reasons

> and the end results might be really unexpected for them if they used

> deeper subtrees (which might be needed due to combination with other

> controller(s)).

Oh yeah, we can't change the default behavior like that. The transition should be a lot more gradual. Even if making .use_hierarchy doesn't help much in terms of reducing complexity right now, it would at least allow us to weed out and prevent wacky woo-hoo mom-look-at-what-I-can-do configurations which will be a lot more difficult to deal with for both us and such users (if we end up forcing hierarchy).

Thanks.

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tejun
