
Subject: Containers: `css_put()` dilemma

Posted by [Balbir Singh](#) on Mon, 16 Jul 2007 18:50:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi, Paul,

I've run into a strange problem with `css_put()`. After the changes for `notify_on_release()`, the `css_put()` routine can now block and it blocks on the `container_mutex`. This implies that `css_put()` cannot be called if

1. We cannot block
2. We already hold the `container_mutex`

The problem I have is that of preventing the destruction of my container (when the user does `rmdir`). If the user migrates away all tasks and does an `rmdir`, the only way to prevent the container from going away is through `css_get()` references. In my case, some pages have been allocated from the container and hence I do not want it to go away, until all the pages charged to it are freed. When I use `css_get/put()` to prevent destruction I am blocked by the limitations of `css_put()` listed above.

Do you have any recommendations for a cleaner solution? I suspect we'll need `can_destroy()` callbacks (similar to `can_attach()`).

--

Warm Regards,
Balbir Singh
Linux Technology Center
IBM, ISTL

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