
Subject: Re: [RFC][PATCH] memory cgroup enhancements updated [8/10] add pre_destroy handler

Posted by [Balbir Singh](#) on Wed, 24 Oct 2007 14:49:34 GMT

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KAMEZAWA Hiroyuki wrote:

> My main purpose of this patch is for memory controller..

>

> This patch adds a handler "pre_destroy" to cgroup_subsys.

> It is called before cgroup_rmdir() checks all subsys's refcnt.

>

> I think this is useful for subsyses which have some extra refs

> even if there are no tasks in cgroup.

>

> Signed-off-by: KAMEZAWA Hiroyuki <kamezawa.hiroyu@jp.fujitsu.com>

>

> include/linux/cgroup.h | 1 +

> kernel/cgroup.c | 7 +++++++

> 2 files changed, 8 insertions(+)

>

> Index: devel-2.6.23-mm1/include/linux/cgroup.h

> =====

> --- devel-2.6.23-mm1.orig/include/linux/cgroup.h

> +++ devel-2.6.23-mm1/include/linux/cgroup.h

> @@ -233,6 +233,7 @@ int cgroup_is_descendant(const struct cg

> struct cgroup_subsys {

> struct cgroup_subsys_state *(*create)(struct cgroup_subsys *ss,

> struct cgroup *cont);

> + void (*pre_destroy)(struct cgroup_subsys *ss, struct cgroup *cont);

> void (*destroy)(struct cgroup_subsys *ss, struct cgroup *cont);

> int (*can_attach)(struct cgroup_subsys *ss,

> struct cgroup *cont, struct task_struct *tsk);

> Index: devel-2.6.23-mm1/kernel/cgroup.c

> =====

> --- devel-2.6.23-mm1.orig/kernel/cgroup.c

> +++ devel-2.6.23-mm1/kernel/cgroup.c

> @@ -2158,6 +2158,13 @@ static int cgroup_rmdir(struct inode *un

> parent = cont->parent;

> root = cont->root;

> sb = root->sb;

> + /*

> + * Notify subsyses that rmdir() request comes.

> + */

> + for_each_subsys(root, ss) {

> + if ((cont->subsys[ss->subsys_id]) && ss->pre_destroy)

> + ss->pre_destroy(ss, cont);

> + }

>

Is pre_destroy really required? Can't we do what we do here in destroy?

```
> if (cgroup_has_css_refs(cont)) {  
>   mutex_unlock(&cgroup_mutex);  
>
```

--

Warm Regards,
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