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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);  
>
```

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Warm Regards,

Balbir Singh

Linux Technology Center

IBM, ISTL

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