Subject: Re: Attaching PID 0 to a cgroup Posted by Dhaval Giani on Tue, 01 Jul 2008 09:47:34 GMT View Forum Message <> Reply to Message

[put in the wrong alias for containers list correcting it.]

```
On Tue, Jul 01, 2008 at 03:15:45PM +0530, Dhaval Giani wrote:
> Hi Paul,
>
> Attaching PID 0 to a cgroup caused the current task to be attached to
> the cgroup. Looking at the code,
       if (pid) {
>
            rcu_read_lock();
>
            tsk = find_task_by_vpid(pid);
>
            if (!tsk || tsk->flags & PF_EXITING) {
>
                 rcu read unlock():
>
                 return -ESRCH;
>
            }
            get_task_struct(tsk);
>
            rcu_read_unlock();
>
>
            if ((current->euid) && (current->euid != tsk->uid)
>
              && (current->euid != tsk->suid)) {
>
                 put_task_struct(tsk);
                 return -EACCES:
>
>
      } else {
>
            tsk = current;
>
            get_task_struct(tsk);
>
       }
>
> I was wondering, why this was done. It seems to be unexpected behavior.
> Wouldn't something like the following be a better response? (I've used
> EINVAL, but I can change it to ESRCH if that is better.)
>
> cgroups: Don't allow PID 0 to be attached to a group
> Currently when one trys to attach PID 0 to a cgroup, it attaches
> the current task. That is not expected behavior. It should return
> an error instead.
> Signed-off-by: Dhaval Giani <dhaval@linux.vnet.ibm.com>
>
> Index: linux-2.6/kernel/cgroup.c
> --- linux-2.6.orig/kernel/cgroup.c
```

```
> +++ linux-2.6/kernel/cgroup.c
> @ @ -1309,8 +1309,7 @ @ static int attach_task_by_pid(struct cgr
    return -EACCES;
  }
>
> } else {
> - tsk = current;
> - get_task_struct(tsk);
> + return -EINVAL;
> }
>
> ret = cgroup_attach_task(cgrp, tsk);
> regards,
> Dhaval
regards,
Dhaval
Containers mailing list
Containers@lists.linux-foundation.org
```

https://lists.linux-foundation.org/mailman/listinfo/containers