

---

Subject: Re: [RFC][PATCH 4/7] UBC: syscalls (user interface)

Posted by [Rohit Seth](#) on Wed, 16 Aug 2006 18:17:57 GMT

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

---

On Wed, 2006-08-16 at 19:39 +0400, Kirill Korotaev wrote:

> Add the following system calls for UB management:

- > 1. sys\_getluid - get current UB id
- > 2. sys\_setluid - changes exec\_ and fork\_ UBs on current
- > 3. sys\_setublimit - set limits for resources consumptions
- >

Why not have another system call for getting the current limits?

But as I said in previous mail, configs seems like a better choice for user interface. That way user has to go to one place to read/write limits, see the current usage and other stats.

> Signed-Off-By: Pavel Emelianov <xemul@sw.ru>

> Signed-Off-By: Kirill Korotaev <dev@sw.ru>

...<snip>...

```
> +
> +/*
> + * The setbeanlimit syscall
> + */
> +asm linkage long sys_setublimit(uid_t uid, unsigned long resource,
> + unsigned long *limits)
> +{
> +
> + ub = beancounter_findcreate(uid, NULL, 0);
> + if (ub == NULL)
> + goto out;
> +
> + spin_lock_irqsave(&ub->ub_lock, flags);
> + ub->ub_parms[resource].barrier = new_limits[0];
> + ub->ub_parms[resource].limit = new_limits[1];
> + spin_unlock_irqrestore(&ub->ub_lock, flags);
> +
```

I think there should be a check here for seeing if the new limits are lower than the current usage of a resource. If so then take appropriate action.

-rohit

---