Subject: Re: [RFC][PATCH 1/2] Virtualization of UTS
Posted by Sam Vilain on Tue, 28 Mar 2006 03:45:56 GMT
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On Fri, 2006-03-24 at 20:31 +0300, Kirill Korotaev wrote:
> +static inline void get_uts_ns(struct uts_namespace *ns)
> +{
> + atomic_inc(&ns->cnt);
> +}
> +
> +static inline void put_uts_ns(struct uts_namespace *ns)
> +{
> + if (atomic_dec_and_test(&ns->cnt))
> + free_uts_ns(ns);
> +}

I think somebody already said this, but this is probably better using kobject as I was asked to for the vx_info. (Documentation/kobject.txt)

Also I think it might be useful to have a count of tasks that refer to the structure, in addition to the count of actual references. In this way you can know whether the resource is "free" before its kobject destructor is called (as the vserver vx_info does).

Perhaps that abstraction is best to put in when it becomes "useful", like you have a situation where you want to do something when the last process with a utsname exits, but before the last kthread referencing the structure stops (eg, a sleeping process reading /proc somewhere).

Otherwise, nice and simple; I could quite easily at this point plug this into the syscall infrastructure I posted earlier (once it is reworked based on people's comments), and provide tests for this.

Sam.