Subject: Re: [RFC][PATCH 1/2] add user namespace [try #2]
Posted by Dave Hansen on Mon, 28 Aug 2006 15:06:25 GMT
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On Mon, 2006-08-28 at 16:56 +0200, Cedric Le Goater wrote:
>
> + * Clone a new ns copying an original user ns, setting refcount to 1
> + * @old_ns: namespace to clone
> + * Return NULL on error (failure to kmalloc), new ns otherwise
> + */
> +static struct user_namespace *clone_user_ns(struct user_namespace
> *old_ns)
> +{
> +	struct user_namespace *ns;
> +
> +	ns = kmalloc(sizeof(struct user_namespace), GFP_KERNEL);
> +	if (ns) {
> +		int n;
> +		struct user_struct *new_user;
> +
> +		kref_init(&ns->kref);
> +
> +		for(n = 0; n < UIDHASH_SZ; ++n)
> +			INIT_LIST_HEAD(ns->uidhash_table + n);
> +
> +		/* Insert new root user. */
> +		ns->root_user = alloc_uid(ns, 0);
> +		if (!ns->root_user) {
> +			kfree(ns);
> +			return NULL;
> +		}
> +
> +		/* Reset current->user with a new one */
> +		new_user = alloc_uid(ns, current->uid);
> +		if (!new_user) {
> +			kfree(ns);
> +			return NULL;
> +		}

Does this leak the ns->root_user?

> +
> +		switch_uid(new_user);
> +	}
> +	return ns;
> +}

-- Dave

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