Subject: Re: [PATCH] diskquota: 32bit quota tools on 64bit architectures
Posted by Christoph Hellwig on Thu, 19 Oct 2006 17:29:49 GMT
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On Thu, Oct 19, 2006 at 04:32:07PM +0400, Vasily Tarasov wrote:
> +asmlinkage long sys32_quotactl(unsigned int cmd, const char __user *special,
> +   qid_t id, void __user *addr)
> +{
> + long ret;
> + unsigned int cmds;
> + mm_segment_t old_fs;
> + struct if_dqblk dqblk;
> + struct if32_dqblk {
> + __u32 dqb_bhardlimit[2];
> + __u32 dqb_bsoftlimit[2];
> + __u32 dqb_curspace[2];
> + __u32 dqb_ihardlimit[2];
> + __u32 dqb_isoftlimit[2];
> + __u32 dqb_curinodes[2];
> + __u32 dqb_btime[2];
> + __u32 dqb_itime[2];
> + __u32 dqb_valid;
> + } dqblk32;
> +
> + cmds = cmd >> SUBCMDSHIFT;
> +
> + switch (cmds) {
> + case Q_GETQUOTA:
> +   old_fs = get_fs();
> +   set_fs(KERNEL_DS);
> +   ret = sys_quotactl(cmd, special, id, &dqblk);
> +   set_fs(old_fs);

Please allocate the structure using compat_alloc_userspace and copy
with copy_in_user instead of the set_fs trick.