
Subject: Re: [PATCH] diskquota: 32bit quota tools on 64bit architectures
Posted by [Arnd Bergmann](#) on Wed, 25 Oct 2006 11:03:48 GMT

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On Wednesday 25 October 2006 12:03, Vasily Tarasov wrote:

> + * This code works only for 32 bit quota tools over 64 bit OS (x86_64, ia64)
> + * and is necessary due to alignment problems.

> + */

> +struct compat_if_dqblk {

> +};

> +

> +/* XFS structures */

> +struct compat_fs_qfilestat {

> +};

> +

The patch looks technically correct, but you have defined the structures in a somewhat unusual way. I'd have defined them with `attribute((packed, aligned(4)))` in the end.

Or even better, we should probably add a

`typedef unsigned long long __attribute__((aligned(4))) compat_u64;`

for x86 compat and use that instead of `compat_uint_t foo[2]`.

Arnd <><
