
Subject: Re: [PATCH] diskquota: 32bit quota tools on 64bit architectures

Posted by [Arnd Bergmann](#) on Fri, 15 Jun 2007 15:24:16 GMT

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On Friday 15 June 2007, Vasily Tarasov wrote:

> I just noticed that we can not avoid the addition of packed attribute.

> Look, for example:

>

> struct if_dqblk {

> };

>

> sizeof(if_dqblk) = 0x48

> On 32 bit: 0x44

>

> If I replace __u64/__u32 with compat equivalents - it will not help!

> aligned attribute can only increase the size of structure, but not

> decrease it.

No, the gcc documentation isn't quite clear there, see the discussion about compat_u64 and compat_s64 types. It actually does the right thing when you use 'typedef __u64 __attribute__((aligned(64))) compat_64', as my patch does.

Arnd <><
