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

Posted by [David Chinner](#) on Mon, 23 Oct 2006 02:12:03 GMT

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On Sat, Oct 21, 2006 at 06:28:32PM +0200, Arnd Bergmann wrote:

> On a related topic, I just noticed

>
> **typedef struct fs_qfilestat {**
> **__u64 qfs_ino; /* inode number */**
> **__u64 qfs_nblk; /* number of BBs 512-byte-blks */**
> **__u32 qfs_nextents; /* number of extents */**
> **} fs_qfilestat_t;**
>
> **typedef struct fs_quota_stat {**
> **__s8 qs_version; /* version number for future changes */**
> **__u16 qs_flags; /* XFS_QUOTA_{U,P,G}DQ_{ACCT,ENFD} */**
> **__s8 qs_pad; /* unused */**
> **fs_qfilestat_t qs_uquota; /* user quota storage information */**
> **fs_qfilestat_t qs_gquota; /* group quota storage information */**
> **__u32 qs_incoredqs; /* number of dquots incore */**
> **__s32 qs_btimelimit; /* limit for blks timer */**
> **__s32 qs_itimelimit; /* limit for inodes timer */**
> **__s32 qs_rbtimelimit; /* limit for rt blks timer */**
> **__u16 qs_bwarnlimit; /* limit for num warnings */**
> **__u16 qs_iwarnlimit; /* limit for num warnings */**
> **} fs_quota_stat_t;**

Ah, the XFS quota structures.....

> This one seems to have a more severe problem in x86_64 compat
> mode. I haven't tried it, but isn't everything down from
> gs_gquota aligned differently on i386?

Yes - this is just one of several interfaces into XFS that need compat
handling that don't have them right now.

Cheers,

Dave.

--

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