
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_nblks; /* 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_incoredq; /* number of dqots incore */

> __s32 qs_btlimit; /* limit for blks timer */

> __s32 qs_itlimit; /* limit for inodes timer */

> __s32 qs_rtbtlimit; /* 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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