Subject: what lock protects sb->s_flags
Posted by vaverin on Wed, 01 Nov 2006 09:06:36 GMT
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akpm@osdl.org wrote:
> Subject: VFS: BKL is not required for remount_fs()
>
> According to Documentation/filesystems/Locking remount_fs() does not
> require BKL.
>
> (akpm: what lock _does_ protect sb->s_flags?)

In general s_flags is changed under sb->s_umount (write) semaphore
inside various get_sb(), fill_super() and remount_fs() filesystem functions.
Exceptions are:
1) do_emergency_remount -- where s_umount(read) is taken,
2) various filesystem error-handlers (like ext3_abort() and reiserfs_abort()),
when filesystem "remounted" to read-only without any locks.

Thank you,
Vasily Averin