

Re: Simple question about mmap() system call

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/hackers/2006-06/msg00222.html>

- *From:* Dmitry Pryanishnikov <dmitry@xxxxxxxxxxxxxxxx>
 - *Date:* Fri, 23 Jun 2006 20:05:01 +0300 (EEST)
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Hello!

On Fri, 23 Jun 2006, Konstantin Belousov wrote:

```
if ((disk=mmap(NULL, 512,  
PROT_READ | PROT_WRITE, 0, fd, 0)) == MAP_FAILED)  
err(EX_IOERR, "Can't mmap() file");
```

shows actual first byte of my file. But modification doesn't get written back to the disk, file contents are unchanged after execution of my code. I'm sure I'm overlooking something very basic and stupid, but can't find what exactly.

You forgot MAP_SHARED.

Thank you! Yes, that's it. I would say that it's description

MAP_SHARED Modifications are shared.

is rather terse and doesn't explicitly says that w/o it data will not be stored back to the mmaped object. One can only deduce this behaviour, and deduction sometimes fails at the end of working day ;)

Sincerely, Dmitry

—

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