

Re: 20TB Storage System

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2003-09/0037.html>

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Date: 09/03/03

To: Eric Anderson <anderson@centtech.com>

Date: Wed, 03 Sep 2003 22:34:16 +0200

In message <3F564F70.1000905@centtech.com>, Eric Anderson writes:

>Poul-Henning Kamp wrote:

>> In message <3F564DF6.3090200@he.iki.fi>, Petri Helenius writes:

>>

>>

>>>You have any insight into the fsck memory consumption? I remember getting

>>>myself saved quite a long time ago by reducing the number of inodes.

>>

>>

>> I have not studied it. I always try to avoid having more than an

>> order of magnitude more inodes than I need, it also saves fsck time.

>>

>

>So what's the appropriate way to calculate what blocksize and how many

>inodes you should use?

"Know your data" :-/

"df -i" will report both block and inode usage for a filesystem.

You adjust number of inodes by specifying the expected average number of bytes per inode (== bytes_used / inodes_used) to newfs.

block/fragment I have not heuristics for, but I think 32/4 is a good alround setting for multi-GB disks.

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Never attribute to malice what can adequately be explained by incompetence.

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