

AIX-L: Re: JFS2 – good or bad?

## Re: JFS2 – good or bad?

**Source:** <http://unix.derkeiler.com/Mailing-Lists/AIX-L/2004-07/0099.html>

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**From:** Bill Verzal (*BVerzal\_at\_KOMATSUNA.COM*)

**Date:** 07/12/04

Date: Mon, 12 Jul 2004 11:04:15 -0500  
To: aix-l@Princeton.EDU

I do play with nbpi on my filesystems. I have some at 32k.

BV

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There are only 10 types of people in the world: Those who understand binary, and those who don't ...

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"Green, Simon"  
<Simon.Green@EU.A  
LTRIA.COM> To  
Sent by: IBM AIX aix-l@Princeton.EDU  
Discussion List cc  
<aix-l@Princeton.  
EDU> Subject

Re: JFS2 – good or bad?

07/12/2004 10:46  
AM

Please respond to  
IBM AIX  
Discussion List  
<aix-l@Princeton.  
EDU>

You can get the same effect by specifying a higher nbpi. We usually use 16384, which gives you 1% used on an empty filesystem, so I don't see that as a major advantage, although I'll concede it's a better solution in theory. For filesystems where the number of inodes used is very high, I can

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see that JFS2 would be useful. (I've had a couple of systems where /var has become unusable because %inode used reached 100%, whilst the actual space was scarcely 50% used.)

INLINE jfs2 logs I can see as being interesting: removes a point of contention. However, does it not increase disk head movement? On some systems, I've got multiple jfslogs specifically allocated on different disks

to the filesystems that they server – and preferably on low-activity disks.

Use of inline logs would prevent that and would surely mean that every time the filesystem was updated you've got to go to the part of the filesystem which has the log, then back for the next update, back to the log etc.

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Simon Green

Altria ITSC Europe Ltd

AIX-L Archive at <https://new-lists.princeton.edu/listserv/aix-l.html>

New to AIX? <http://publib-b.boulder.ibm.com/redbooks.nsf/portals/UNIX>

N.B. Unsolicited email from vendors will not be appreciated.

Please post all follow-ups to the list.

> -----Original Message-----

> From: Mills, John T (9814) [mailto:John.T.Mills@ERAC.COM]

> Sent: 12 July 2004 15:28

> To: aix-l@Princeton.EDU

> Subject: Re: JFS2 – good or bad?

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> I'd do it for one reason. When I make a 1/2 TB filesystem it

> registers as 1% full instead of 4%. Also the INLINE jfs2

> logs have good potential.