

# Re: Performance tests I did with FreeBSD, Linux and PostgreSQL

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2003-08/0050.html>

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**From:** Jim C. Nasby (*jim\_at\_nasby.net*)

**Date:** 08/29/03

Date: Thu, 28 Aug 2003 18:21:55 -0500  
To: Sean Chittenden <seanc@FreeBSD.org>

Please do NOT commit this unless it accompanies a major version change! PGSQL goes to extremes to ensure that you only have to dump/reload on major version changes (ie: 7.2.x to 7.3.x), and it'd be really bad to surprise people with this.

I think it would also be a very good idea to see what happens if you try and open a database with 8K pages using pgsq compiled for 16K pages. If it doesn't detect the error, I don't think it's worth doing this; it just seems too risky; though adding a config option to the port makefile would be a good alternative in that case.

On Wed, Aug 27, 2003 at 10:44:48AM -0700, Sean Chittenden wrote:

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> Hrm, that sounds like a good idea to me. The appropriate patch is
> included (src/include/pg_config_manual.h). I'll bounce this by the
> PostgreSQL guys to see what their reaction is, but I'm inclined to
> include this patch in the postgresql-devel port for now, and if things
> go well there, possibly in the main postgresql7 port (pending
> feedback). I haven't ever played with this setting before and would
> welcome feedback from anyone who has (reregardless of their
> results). -sc
>
> PS You have to re-initdb/reload your data after applying this patch
> because the size of data on disk has changed.
>
> --
> Sean Chittenden
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> Index: src/include/pg_config_manual.h
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> RCS file: /home/ncvs/pgsql/pgsql-server/src/include/pg_config_manual.h,v
> retrieving revision 1.5
> diff -u -r1.5 pg_config_manual.h
> --- src/include/pg_config_manual.h 4 Aug 2003 00:43:29 -0000 1.5
> +++ src/include/pg_config_manual.h 27 Aug 2003 17:40:12 -0000
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freebsd-performance: Re: Performance tests I did with FreeBSD, Linux and PostgreSQL

```
> @@ -23,7 +23,7 @@
> *
> * Changing BLCKSZ requires an initdb.
> */
> -#define BLCKSZ 8192
> +#define BLCKSZ 16384
>
> /*
> * RELSEG_SIZE is the maximum number of blocks allowed in one disk
>
> _____
> freebsd-database@freebsd.org mailing list
> http://lists.freebsd.org/mailman/listinfo/freebsd-database
> To unsubscribe, send any mail to "freebsd-database-unsubscribe@freebsd.org"
```

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--
Jim C. Nasby, Database Consultant                jim@nasby.net
Member: Triangle Fraternity, Sports Car Club of America
Give your computer some brain candy! www.distributed.net Team #1828
Windows: "Where do you want to go today?"
Linux: "Where do you want to go tomorrow?"
FreeBSD: "Are you guys coming, or what?"
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freebsd-performance@freebsd.org mailing list
http://lists.freebsd.org/mailman/listinfo/freebsd-performance
To unsubscribe, send any mail to "freebsd-performance-unsubscribe@freebsd.org"
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