Subject: PostgreSQL can't allocate shared memory
Posted by Gregor Mosheh on Mon, 16 Apr 2007 05:42:27 GMT

Hi, all.
First: OpenVZ; nice. A slick alternative to VMWare, less overhead. Nice.
But, a hitch in my first experiments...

I have PostgreSQL 8.1 in a VE (Fedora Core 6, for what it's worth), and I
cannot set shared_buffers higher than 3700 (about 30 MB) and have it
start. Anything higher and it complains that it can't allocate the shared
memory.

In the UBC, I verified that I set shmpages to 32000, which should be 128
MB at 4k apiece (or 256 MB if it's 8k pages; I'm not sure which it is for
shared memory pages) and therefore more than enough for PgSQL's request. I
have tried raising shmpages, but it doesn't change anything. The
privvmpages is 262144 (1 GB) so this should also be plenty.

The UBC is showing 0 failcount across the board.

And the HN's kernel.shmmax is set to 1 GB. (Is that relevant in a VE?)

I'd be very appreciative of any help. And thanks for the software!

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"Remember that no one cares if you can back up, only if you can restore."
- AMANDA