

---

Subject: PostgreSQL can't allocate shared memory  
Posted by [Gregor Mosheh](#) on Mon, 16 Apr 2007 05:42:27 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

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!

--

HostGIS  
Cartographic development and hosting services  
707-822-9355  
<http://www.HostGIS.com/>

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

---