

# Re: FreeBSD, PostgreSQL, semwait and sbwait!

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2004-03/0015.html>

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**Date:** 03/23/04

To: "Jason Coene" <[jjcoene@gotfrag.com](mailto:jjcoene@gotfrag.com)>, <[freebsd-performance@freebsd.org](mailto:freebsd-performance@freebsd.org)>

Date: Tue, 23 Mar 2004 13:48:34 -0800

On March 23, 2004 12:02 pm, Jason Coene wrote:

> Hello all,

>

> We're having a substantial problem with our FreeBSD 5.2 database server  
> running PostgreSQL – it's getting a lot of traffic (figure about 3,000  
> queries per second), but queries are slow, and it's seemingly waiting on  
> other things than CPU time.

>

> The database server is a dual P4-2.8 w/ HT enabled (kernel finds 4  
> processors), 2GB RAM, 4 disk Serial ATA on 3ware RAID, gigabit Ethernet  
> connection to web servers. It's running FreeBSD 5.2 and PostgreSQL 7.4.1.

>

> The server is taking a while to respond to both connections, and then  
> queries (between 1-3 seconds, on a query that should execute in 0.05 or  
> less).

What does the following query show (on the DB while it's under load)?

```
SELECT r.relname,l.mode, count(*) AS numlocks FROM pg_locks l, pg_class r
WHERE r.oid = l.relation GROUP BY relname,mode;
```

if you have any sort of insert/updates happening, you may be waiting for a lock on that table to be available. Things like foreign keys make big use of locking while they CASCADE.

>

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> [freebsd-performance@freebsd.org](mailto:freebsd-performance@freebsd.org) mailing list  
> <http://lists.freebsd.org/mailman/listinfo/freebsd-performance>  
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freebsd-performance@freebsd.org mailing list

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