

# Re: Horrible PostgreSQL performance with NFS

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*Source:* <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2006-01/msg00011.html>

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- *From:* Arne Woerner <[arne\\_woerner@xxxxxxxxxx](mailto:arne_woerner@xxxxxxxxxx)>
  - *Date:* Fri, 13 Jan 2006 13:10:48 -0800 (PST)
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Hiho!

----- Slawek Zak <[slawek.zak@xxxxxxxxxx](mailto:slawek.zak@xxxxxxxxxx)> wrote:

> A couple of days ago I've moved our  
> production database from local disks  
> to NetAPP filer serving NFS. Performance  
> for this server dropped by factor of 10  
> if not more.  
>

I would like to suggest some tests (I do not have a clear idea, why your system becomes slower; a hypothesis will follow below):

1. benchmark the local disc (watch cpu usage via e. g. vmstat 1)  
% dd if=/dev/zero of=/some/local/filesystem/a bs=1m count=1000

2. benchmark the NFS filesystem (watch cpu usage via e. g. vmstat 1)  
% dd if=/dev/zero of=/some/NFS/filesystem/a bs=1m count=1000

3. test the NIC performance with (again watching the CPU usage might help)

% ping -s 50000 <nfs-server>

I get 17Mbit/sec which is the actual rate...

neo# ping -s 50000 vaako

PING vaako.riddick.homeunix.org (10.1.1.3): 50000 data bytes  
50008 bytes from 10.1.1.3: icmp\_seq=0 ttl=64 time=46.584 ms

My theory would be, that your NICs need a lot of CPU time, while your local discs dont need so much CPU time. :-)

Bye  
Arne

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Re: Horrible PostgreSQL performance with NFS

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- **Follow-Ups:**

- ◆ **Re: Horrible PostgreSQL performance with NFS**

- ◇ From: Slawek Zak

- ◆ **Re: Horrible PostgreSQL performance with NFS**

- ◇ From: Brooks Davis

- **References:**

- ◆ **Horrible PostgreSQL performance with NFS**

- ◇ From: Slawek Zak

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