

Re: Where to troubleshoot Intel PRO/1000 performance problems?

## Re: Where to troubleshoot Intel PRO/1000 performance problems?

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*Source:* <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2007-03/msg00070.html>

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- *From:* Sally Janghos <[list@xxxxxxxx](mailto:list@xxxxxxxx)>
  - *Date:* Fri, 23 Mar 2007 11:14:37 -0700
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Aaron,

Thanks for your reply. Here is some output from some dd's on the disk that I'm reading/writing to.

```
dd if=/dev/zero of=testfile count=1000000;dd if=testfile of=/dev/null
```

```
1000000+0 records in
1000000+0 records out
512000000 bytes transferred in 27.951769 secs (18317267 bytes/sec)
1000000+0 records in
1000000+0 records out
512000000 bytes transferred in 16.864945 secs (30358830 bytes/sec)
```

```
dd if=/dev/zero of=testfile count=1000000 ; dd if=testfile of=/dev/null
```

```
1000000+0 records in
1000000+0 records out
512000000 bytes transferred in 28.492921 secs (17969376 bytes/sec)
1000000+0 records in
1000000+0 records out
512000000 bytes transferred in 16.605797 secs (30832607 bytes/sec)
```

Am I reading right, the max network transfer rate from this disk will be between 143Mbit and 246Mbit/sec? Is there a way to determine if there is an IRQ conflict? How do you find out what IRQ's are currently used by the system?

Sally

Thu, Mar 22, 2007 at 04:31:16PM -0700, Aaron Seelye wrote:

If it's platform agnostic, I'd start looking for IRQ conflicts. It would seem that your test all involve disk io, check that first and narrow down that it's a network or disk problem. You may have a bum raid card, irq conflict on the network card, any number of things.

-Aaron  
----- Original Message -----

Re: Where to troubleshoot Intel PRO/1000 performance problems?

Re: Where to troubleshoot Intel PRO/1000 performance problems?

From: "Sally Janghos" <list@xxxxxxxx>  
To: <freebsd-performance@xxxxxxxx>  
Sent: Thursday, March 22, 2007 10:16 AM  
Subject: Where to troubleshoot Intel PRO/1000 performance problems?

I'm looking for some suggestions on where to start troubleshooting performance issues on a Intel PRO 1000 card.

It's installed in a box with the following configuration:  
FreeBSD 6.1  
AMD Athlon(tm) XP 2100+ (1741.42-MHz 686-class CPU)  
Dell CERC SATA RAID 2

The file transfer(ftp/smb/scp) speeds from/to this machine do not appear to go above 10Mb. The other machine doing the transfers has similar specs(same Ethernet Card) but is a Windows XP box. I've tried replacing the switch with a crossover cable between the machines and the same speed persists. Any suggestions on where to start and what tools should I use to do the benchmarks?

Thanks,  
Sally

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freebsd-performance@xxxxxxxx mailing list  
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--  
No virus found in this incoming message.  
Checked by AVG Free Edition.  
Version: 7.5.446 / Virus Database: 268.18.17/730 – Release Date: 3/22/2007  
7:44 AM

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