
Subject: Re: Poor comparable performance for IDL on Solaris vs Vista or Snow Leopard

Posted by [liamgumley](#) on Mon, 22 Feb 2010 17:36:43 GMT

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On Feb 22, 11:15 am, demian <demian.ha...@gmail.com> wrote:

> Both servers are largely quiet and have most cycles available for user
> processing. One server has 4 ~1GHz processors, 32GB of RAM and runs
> Solaris 8. The other server has 4, 8core ~1GHz processors, 64GB of RAM
> and runs Solaris 10. We've tested to see if there is a performance
> difference between local vs SAN storage on these servers and cannot
> explain the difference.

If the Sun servers have T1 processors, then slow IDL performance should be expected, since a single floating point unit (FPU) is shared by all processor cores:

http://en.wikipedia.org/wiki/UltraSPARC_T1#Target_market

I would not expect a Sun server based on 1GHz CPUs to be as fast as a 3GHz Mac. Is multi-threading enabled on the Sun servers? Even if it is, the FPU issue will severely hamper performance if they are indeed T1 servers.

Cheers,

Liam.

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