
Subject: Re: linux 64

Posted by [Rick Towler](#) on Mon, 03 Oct 2005 21:54:35 GMT

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Hi Reimar,

this smells like a hardware issue and I'll venture a guess that it is RAM. The embedded memory controller in the Opteron/Athlon64 chips are very sensitive to RAM issues and I have run into a number of weird and difficult to diagnose problems that end up being RAM.

As with any suspected RAM problem I would start by running MemTest86 but I have learned that you can run this for days on an Athlon64/Opteron machine with a "bad" stick of RAM and it will not necessarily find a fault.

I would swap the RAM from a known working A64/OPT machine and test it. I'll wager a pint it solves your problems :) And if that does solve your problem and if that bad stick of RAM is not under warranty I would stick it in an Intel machine. Chances are it will work fine.

-Rick

Reimar Bauer wrote:

> Dear all
>
> that's more a system diagnostics question. Probably someone else has
> solved the same and could give hints.
>
>
> We have a bunch of AMD 64 bit linux machines and in 64 bit idl they all
> work .
>
> One of the machine shows a memory fault if the 32 bit version with idl
> -32 is called. There are some hints that it could depend on something
> missing in glibc because if on this machine many times netCDF files are
> readed we got a Bus error message or
> *** glibc detected *** malloc(): memory corruption: 0x0000000000b39180
> *** too.
> I thinks it's a problem on the machine and not an idl one. But where to
> start?
>
>
>
> cheers
> Reimar
>
>
