
Subject: Re: LONG - reads 4 or 8 bytes??

Posted by [David Fanning](#) on Tue, 12 Dec 2006 21:39:03 GMT

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subir writes:

> I would appreciate if someone could help me with a problem that we are
> having. I am trying to use the LONG function to convert bytes in to a
> longword.
>
> On the first workstation (Solaris 10, PV-Wave v 8.51) LONG reads 8
> bytes from the input byte array. However, on the second workstation
> (Solaris 10, PV-Wave v8.50), LONG reads only the first 4 bytes! Is
> there a configuration setting that needs to be set for LONG to read 8
> bytes instead of 4. Has anybody out there had a similar problem?

This sounds, well, unlikely. What evidence do you have for it?

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: LONG - reads 4 or 8 bytes??

Posted by [Rick Towler](#) on Tue, 12 Dec 2006 23:12:42 GMT

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Are you running the 64-bit version on one machine and the 32-bit version on the other?

Try print, !Version or PV-Wave's equivalent.

-Rick

subir wrote:

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> Please let me know if you need more information of the environment in
> which we are running.
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> Thanks!
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Subject: Re: LONG - reads 4 or 8 bytes??

Posted by [subir.vasanth](#) on Wed, 13 Dec 2006 16:37:55 GMT

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Thanks for your reply Rick. Here is the output of running the 'print,
!Version' on the two workstations.

- Workstation on which LONG reads 4 bytes

```
WAVE> print, '!Version'  
{ sparc solaris 8.50 sun4}
```

- Workstation on which LONG reads 8 bytes

```
WAVE> print, "!Version"  
{ sparc solaris64 8.51 b sun4}
```

Any ideas on how to change the PV-Wave configuration to run the 64-bit
version?

Thanks,
Subir

Rick Towler wrote:

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Subject: Re: LONG - reads 4 or 8 bytes??
Posted by [Rick Towler](#) on Wed, 13 Dec 2006 17:25:17 GMT
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> { sparc solaris64 8.51 b sun4}
>
> Any ideas on how to change the PV-Wave configuration to run the 64-bit
> version?

Just a guess, but look in your PV-Wave install directory and see if there are 2 executables. Many vendors ship both a 32 and 64-bit version of their program with their 64-bit version. It might be as simple as changing your symlink to point to pwave64 or something like that.

It's been a while since I installed PV-Wave. The newest version I have around here is 2.01 :) I don't know what's fashionable these days. /var? /usr/local? Poke around and you should be able to find the install dir.

Worst case, PV-Wave ships separate 32 or 64-bit versions and you'll have to install the 64-bit version.

-Rick

```
> Thanks,
> Subir
>
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