Subject: Re: % FINDFILE: Error managing child process.
Posted by Craig Markwardt on Sun, 25 Jul 2004 02:21:13 GMT
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Timm Weitkamp <dont.try@this.address> writes:
> I am having an annoying problem with FINDFILE on a Sunblade with IDL 6.0
> (version = { sparc sunos unix Solaris 6.0 Jun 27 2003 64 64}). I run an
> IDL program that runs fine on other machines (PCs running Linux) and used
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> result). Can I circumvent this somehow? Any help appreciated. Here's the
> system info:

I seem to recall a friend having a problem like this. Somehow, by
accident, his "/tmp" scratch area was non-writeable, except by root.
Once we made it writeable, then all sorts of things started to work
again. We speculated that somehow IDL was attempting to make a
temporary file, which it couldn't do when permissions were wrong.

Good luck,
Craig

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@REMOVEcow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
---

Subject: Re: % FINDFILE: Error managing child process.
Posted by Timm Weitkamp on Sun, 25 Jul 2004 12:46:29 GMT
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On 24.07.04 at 21:21 -0500, Craig Markwardt wrote:

> Timm Weitkamp <dont.try@this.address> writes:
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Thank you for this hint, Craig, which I will keep in mind. At first
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and 6.0). The problem occurs with 5.6 and 6.0, but not with 5.4.
Unfortunately my code relies on some functionality introduced in 5.6.

Also, it only occurs after allocating a considerable bunch of memory for
an array (something like 4 GB out of the total of 6 GB of RAM available).
But once the bug strikes, even freeing memory with DELVAR or TEMPORARY
does not help anymore.

I worked on other Sunblades before (albeit with more memory available) and
never ran into this. May have to contact RSI.

Cheers,
Timm

--
Timm Weitkamp
Paul Scherrer Institut, 5232 Villigen PSI, Switzerland

Subject: Re: % FINDFILE: Error managing child process.
Posted by R.Bauer on Sun, 25 Jul 2004 18:23:01 GMT
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Timm Weitkamp wrote:

> On 24.07.04 at 21:21 -0500, Craig Markwardt wrote:
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>> Timm Weitkamp <dont.try@this.address> writes:
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> never ran into this. May have to contact RSI.
>
> Cheers,
> Timm
>

Dear Timm

findfile belongs to the obsolete routines. It was replaced by file_search.

Did you see the same problems by this one?

Reimar

--
Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
http://www.fz-juelich.de/icg/icg-i/
 ========== ======
a IDL library at ForschungsZentrum Juelich
 http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro. html

---

Subject: Re: % FINDFILE: Error managing child process.
Posted by andrew.cool on Sun, 25 Jul 2004 22:40:35 GMT
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Timm Weitkamp <dont.try@this.address> wrote in message
news:<Pine.LNX.4.44.0407251434380.21616-100000@localhost.localdomain>...
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Timm,

For what it's worth, under VMS, this error typically means that you've
run out
of disk quota, e.g. IDL is trying to create a file somewhere, and you
either don't have the physical disk space available or as Craig
suggested, you don't

have the correct permissions. Same diff I suppose.

Andrew (Who's soon to be de-VMS'd, and dragged kicking and screaming
into the
Linux universe...)

Subject: Re: % FINDFILE: Error managing child process.
Posted by George N. White III on Mon, 26 Jul 2004 14:08:12 GMT
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On Sun, 25 Jul 2004, Timm Weitkamp wrote:

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> an array (something like 4 GB out of the total of 6 GB of RAM available).
> But once the bug strikes, even freeing memory with DELVAR or TEMPORARY

> does not help anymore.

The "real" unix fork of a large process requires reserving double the memory. The IRIX documentation says:

"The IRIX system allows programs occupying more space than the system limit to run, since each program is only partially loaded into memory at any given time. One of the effects of this policy is that the IRIX system has to preallocate swap space based on likely future usage, and sometimes this prediction is incorrect. When the swap space is actually needed, the IRIX system allocates the most convenient available space, not the specific space allocated. So the physical allocation is separate from the accounting allocation.

If your system preallocates all your swap space, but the space has not yet been used, it may appear that your system is running out of swap space when it is not. It is possible that your system has simply preallocated the rights to future swap space to existing processes, and no new processes can allocate space due to the strict swap space accounting in the IRIX system."

To work around this, it is customary to add "virtual" swap space.

> I worked on other Sunblades before (albeit with more memory available) and
> never ran into this. May have to contact RSI.

RSI's documentation says:

"RSI strongly recommends the use of the FILE_SEARCH function in place of the FINDFILE function. FILE_SEARCH is more platform-independent, provides greater functionality, and is easier to use than FINDFILE. FILE_SEARCH is ultimately intended as a replacement for FINDFILE."

--
George N. White III <aa056@chebucto.ns.ca>
Head of St. Margarets Bay, Nova Scotia, Canada

Subject: Re: % FINDFILE: Error managing child process.
Posted by Timm Weitkamp on Wed, 28 Jul 2004 08:02:30 GMT
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Thank you for all info and suggestions. It seems unlikely (though not impossible) to me that a lack of swap space or other disk space should cause my problem, as some of you have suggested.

Given that there is plenty of swap space, even quite a bit of RAM left and that the problem occurs only with 5.6 and higher, but not with 5.4, I tend

to think that it is an internal IDL problem.

I will further investigate this thing when I have more time -- for the time being I can live with it. Thanks again to all of you.

Timm

--
Timm Weitkamp
Paul Scherrer Institut, 5232 Villigen PSI, Switzerland
