
Subject: Re: Interpreter stack not aligned properly during user return.
Posted by [Craig Markwardt](#) on Fri, 05 Mar 2004 15:51:31 GMT
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Nuno Oliveira <nmoliveira@fc.ul.pt> writes:

- > Interpreter stack not aligned properly during user return.
- >
- > Can anyone help about this error message? What may cause this?
- >
- > By the way. Is, in IDL tutorials, a section what interpreting error
- > messages?

You don't say, but presumably you are calling an external routine (not an IDL procedure). Is that true? It probably means that your external routine scrambled the stack.

Craig

--

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

Subject: Re: Interpreter stack not aligned properly during user return.
Posted by [David Fanning](#) on Fri, 05 Mar 2004 16:00:59 GMT
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Nuno Oliveira writes:

- > Interpreter stack not aligned properly during user return.
- Oh, oh. Have you evacuated the premises yet?
- > Can anyone help about this error message? What may cause this?

I don't know what causes it. But it's bad news. VERY hard to track down. Almost always (in my experience) a user error. A very *obscure* user error. Hope you have a nice weekend. :-)

- > By the way. Is, in IDL tutorials, a section what interpreting error
- > messages?

I don't think you completely understand the software business.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: Interpreter stack not aligned properly during user return.

Posted by [David Fanning](#) on Fri, 05 Mar 2004 16:09:39 GMT

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Nuno Oliveira writes:

> Interpreter stack not aligned properly during user return.

Are you using pointers? I have a couple of brain cells vaguely recalling something about storing a scalar value in a pointer....??? Something.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: Interpreter stack not aligned properly during user return.

Posted by [Nuno Oliveira](#) on Fri, 05 Mar 2004 16:14:09 GMT

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Well, I'm using a lots of pointers... :(

And the program has an big error, and I'm afraid that the problem is coming from that one that originates the error message.

"David Fanning" <david@dfanning.com> wrote in message
news:MPG.1ab254225009c5d29896e5@news.frii.com...

> Nuno Oliveira writes:

>
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>
> Are you using pointers? I have a couple of brain cells
> vaguely recalling something about storing a scalar value
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>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: Interpreter stack not aligned properly during user return.
Posted by [Nuno Oliveira](#) on Fri, 05 Mar 2004 16:24:13 GMT
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The program is calling a function from a separate file, but written in IDL.

All the code, and functions it calls are written in IDL.

"Craig Markwardt" <craigmnet@REMOVEcow.physics.wisc.edu> wrote in message
news:on8yifz3zw.fsf@cow.physics.wisc.edu...

>
> Nuno Oliveira <nmoliveira@fc.ul.pt> writes:
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> Craig
>
> --
> -----
> Craig B. Markwardt, Ph.D. EMAIL: craigmnet@REMOVEcow.physics.wisc.edu
> Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response

> -----

Subject: Re: Interpreter stack not aligned properly during user return.

Posted by [Nuno Oliveira](#) on Fri, 05 Mar 2004 16:28:23 GMT

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Besides this, there is a strange behaviour. I get the error message several times and I can see an important and complex FOR cycle executed that times. But when I put an error right after that FOR cycle I get my print out message between idl's error messages

Like:

& Interpreter stack not aligned properly during user return.

& Interpreter stack not aligned properly during user return.

'my error message'

& Interpreter stack not aligned properly during user return.

"Nuno Oliveira" <nmoliveira@fc.ul.pt> wrote in message
news:c2a6n4\$fhn\$1@pegasus.fccn.pt...

> Interpreter stack not aligned properly during user return.

>

> Can anyone help about this error message? What may cause this?

>

> By the way. Is, in IDL tutorials, a section what interpreting error
> messages?

>

> Cheers,

>

> Nuno.

>

Subject: Re: Interpreter stack not aligned properly during user return.

Posted by [David Fanning](#) on Fri, 05 Mar 2004 16:36:51 GMT

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Nuno Oliveira writes:

- > Besides this, there is a strange behaviour. I get the error message several
- > times and I can see an important and complex FOR cycle executed that times.
- > But when I put an error right after that FOR cycle I get my print out
- > message between idl's error messages

Yeah, you are doing something wrong with those pointers. :-)

If writing about it hasn't helped, then I think you have to step through the code, checking your assumptions about what is happening at every step. I think you are assuming something that just isn't so.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting

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