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.



Subject: Re: Interpreter stack not aligned properly during user return. Posted by David Fanning on Fri, 05 Mar 2004 16:00:59 GMT View Forum Message <> Reply to Message

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 View Forum Message <> Reply to Message

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:

```
>> 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 16:24:13 GMT View Forum Message <> Reply to Message

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:
>
>> Interpreter stack not aligned properly during user return.
>>
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>>
>> By the way. Is, in IDL tutorials, a section what interpreting error
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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 Nuno Oliveira on Fri, 05 Mar 2004 16:28:23 GMT View Forum Message <> Reply to Message

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 View Forum Message <> Reply to Message

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/