
Subject: URGENT: IDL_STRING variable in calling C from IDL when update from IDL5.4 to 5.6

Posted by [xje4e](#) on Fri, 21 Nov 2003 07:07:17 GMT

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Hi, there,

I am building program that calls C from IDL by DLM. In IDL, the function passed only one parameter that is a string, such as 'test.txt'. In C, use argv[0]->value.str.s to read the string out. In IDL 5.4, the program works well.

I updated IDL from 5.4 to 5.6, the program is dead. I debug the program and found that when I use IDL5.4 to debug, the argv[0]->value.str.s has the right input: 'test.txt'. However, when I use IDL5.6 to debug, the argv[0]->value.str.s is NULL.

How can this happen? Is this a bug in IDL5.6 or RSI changed something about the IDL_string structure? I test the program in IDL6.0, the same error happened.

Any help will be appreciated,

Jin

Subject: Re: URGENT: IDL_STRING variable in calling C from IDL when update from IDL5.4 to 5.6

Posted by [Nigel Wade](#) on Fri, 21 Nov 2003 10:13:27 GMT

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Xiaoying Jin wrote:

> Hi, there,
>
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> function passed only one parameter that is a string, such as
> 'test.txt'. In C, use argv[0]->value.str.s to read the string out.
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> about the IDL_string structure? I test the program in IDL6.0, the same
> error happened.
>

> Any help will be appreciated,
>
> Jin

Yes, they changed the length field slen from short to IDL_STRING_SLEN_T (which is currently int) so the structure changed. I think it's documented in the release notes.

You need to recompile your C code using the header files from IDL 5.6.

--

Nigel Wade, System Administrator, Space Plasma Physics Group,
University of Leicester, Leicester, LE1 7RH, UK

E-mail : nmw@ion.le.ac.uk

Phone : +44 (0)116 2523548, Fax : +44 (0)116 2523555

Subject: Re: URGENT: IDL_STRING variable in calling C from IDL when update from IDL5.4 to 5.6

Posted by [xje4e](#) on Mon, 24 Nov 2003 20:36:27 GMT

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> Yes, they changed the length field slen from short to IDL_STRING_SLEN_T
> (which is currently int) so the structure changed. I think it's documented
> in the release notes.
>
> You need to recompile your C code using the header files from IDL 5.6.

Thank you very much! It works.

However, I do not think they need to change it and let the customer to recompile it after upgrading. It's better to keep the new version compatible to the previous versions.

Jin

Subject: Re: URGENT: IDL_STRING variable in calling C from IDL when update from IDL5.4 to 5.6

Posted by [David Fanning](#) on Mon, 24 Nov 2003 20:42:55 GMT

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Xiaoying Jin writes:

> However, I do not think they need to change it and let the customer to
> recompile it after upgrading. It's better to keep the new version
> compatible to the previous versions.

We have a saying in the United States: It's impossible to have your cake and eat it, too. I'm sure there must be something comparable in China. :-)

Cheers,

David

--

David W. Fanning, Ph.D.

Fanning Software Consulting, Inc.

Phone: 970-221-0438, E-mail: david@dfanning.com

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