Subject: Re: IDL 8.0 compile_opt changes
Posted by pgrigis on Tue, 05 Jan 2010 14:57:22 GMT

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On Jan 5, 9:09 am, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:
> Reimar Bauer schrieb:
>
>
>
>> Chris Torrence schrieb:
>>> Hi all,
>
>>> I'm writing to you to ask your opinion on some potential changes in
>>> IDL 8.0. We have made some enhancements to the language to support the
>>> new graphics functions, and to make IDL simpler to learn, especially
>>> for new users.
>
>> Hi Chris
>
>> Happy new year to you and ittvis. Thanks for asking us.
>
>>> The primary change is the use of the dot "." for object method calls.
>>> The use of the "." for method calls is now industry standard, for
>>> example in languages such as Java, Python, etc. For example, in IDL
>>> 8.0, the following code will create a plot, and retrieve the first
>>> child object:
>
>>>   p = PLOT(x,y)
>>>   child = p.Get(index)
>
>> I support this change. I felt always the attempt of doing OO in idl is
>> extremly uncomfortable and ugly compared to python.
>> I think this change is important for new users or old users using OO in
>> different languages.
>
> if I see this right I can't have a var plot or do we have now case
> sensitives vars too?
>
> That is only a minor issue in comparison that I am quite sure the icg
> idl plotlib becomes broken by removing the old direct graphics methods
> anyway.
>
>   e.g.http://www.fz-juelich.de/icg/icg-1/idl_icglib/idl_source
/idl_work/fr_...http://www.fz-juelich.de/icg/icg-1/idl_icgli b/idl_source/idl_html/gif...
>
>   orhttp://www.fz-juelich.de/icg/icg-1/idl_icglib/idl_source/i
dl_work/rb_...http://www.fz-juelich.de/icg/icg-1/idl_icglib/ idl_source/idl_html/gif...
>

> Almost all of our publications are based on that library.
>
> Reimar

Hi Reimar - as of now I believe there's no conflict
between structures and functions.

You can have a structure called

sqrt={a:1,b:2}

and the function sqrt() will still work,
for instance the following slightly
obfuscated command works well:

IDL> print,sqrt(sqrt.b)
      1.41421

So why do you expect a conflict in the new version
between your structure "plot" and a function plot()
that returns an object?

Ciao,
Paolo