
Subject: Re: no backwards compatibility in IDL 5.6
Posted by [Craig Markwardt](#) on Sat, 01 Mar 2003 02:20:19 GMT
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thompson@orpheus.nascom.nasa.gov (William Thompson) writes:

> Pavel Romashkin <pavel_romashkin@hotmail.com> writes:
>
>> Why is EXECUTE used in this program? Why can't the value just be
>> returned from each CASE? Execute will slow it down and as far as I can
>> tell, does nothing special. There is no code that follows the CASE to
>> prevent you from returning at any point. Will it not compile in 5.4 with
>> the extra keyword? I thought keyword mismatches are runtime errors. Am I
>> missing something?
>> Pavel
>
>
> Yes, without the execute statement, it will not compile in versions earlier
> than 5.4. You get the error message
>
> IDL> .run atan_complex_wrapper
>
> (version GE 5.6): returnValue = ATAN(complexNum, /Phase)
> ^
> % Keyword parameters not allowed in call.
> At: /disk1/thompson/atan_complex_wrapper.pro, Line 12
> % 1 Compilation errors in module ATAN_COMPLEX_WRAPPER.
>
> However, only the last execute statement is actually required. The first two,
> without the new keyword, can be direct statements.

And even, the last EXECUTE is not required, if one uses CALL_FUNCTION
instead, which should be a bit faster, not as clunky looking to me.

Craig

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
