Subject: Writing programs to use static methods but still compile in IDL 7
Posted by wlandsman on Sun, 30 Aug 2015 16:05:40 GMT

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I am trying to update my code to use the static methods introduced in IDL 8.4 when the user has V8.4 or later.   So I write a statement like the following

if !VERSION.RELEASE GE '8.4' then return,str.replace(in,out)

This works in IDL 8.0 and later but in IDL 7.1.1 and earlier it gives a compilation syntax error.

compile_opt idl2
if !VERSION.RELEASE GE '8.4' then return,str.replace(in,out)
% Syntax Error. Attempt to subscript array with parenthesis. Please use '[]'.

Is there a way to have a program use the static methods when the user has IDL 8.4 or later without causing a compilation syntax error in IDL 7?

An example program is
http://idlastro.gsfc.nasa.gov/ftp/pro/misc/repstr.pro

Thanks, --Wayne

Subject: Re: Writing programs to use static methods but still compile in IDL 7
Posted by Heinz Stege on Sun, 30 Aug 2015 17:29:13 GMT

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On Sun, 30 Aug 2015 09:05:40 -0700 (PDT), wlandsman wrote:

> I am trying to update my code to use the static methods introduced in IDL 8.4 when the user has V8.4 or later.   So I write a statement like the following
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> compile_opt idl2
> if !VERSION.RELEASE GE '8.4' then return,str.replace(in,out)
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> Is there a way to have a program use the static methods when the user has IDL 8.4 or later without causing a compilation syntax error in IDL 7?
>
> An example program is

> http://idlastro.gsfc.nasa.gov/ftp/pro/misc/repstr.pro
>
> Thanks, --Wayne

Just an idea: Does
  if !VERSION.RELEASE GE '8.4' then $
    return,call_method('replace',a,in,out)
work? I don't have version 7 installed on my computer.

Cheers, Heinz

Subject: Re: Writing programs to use static methods but still compile in IDL 7
Posted by Heinz Stege on Sun, 30 Aug 2015 17:35:24 GMT
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On Sun, 30 Aug 2015 19:29:13 +0200, Heinz Stege wrote:

> Just an idea: Does
> if !VERSION.RELEASE GE '8.4' then $
>   return,call_method('replace',a,in,out)
> work? I don't have version 7 installed on my computer.

No, I wanted to write:
  if !VERSION.RELEASE GE '8.4' then $
    return,call_method('replace',str,in,out)

Heinz

Subject: Re: Writing programs to use static methods but still compile in IDL 7
Posted by wlandsman on Mon, 31 Aug 2015 14:57:36 GMT
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Heinz,

  Thanks!   This syntax works in IDL 8.4 and later but still compiles in IDL 7.1. --Wayne

On Sunday, August 30, 2015 at 1:34:49 PM UTC-4, Heinz Stege wrote:
>

> No, I wanted to write:
> if !VERSION.RELEASE GE '8.4' then $
>   return,call_method('replace',str,in,out)
>
> Heinz