Subject: Attempt to call undefined procedure: 'DEFAULT' error
Posted by Sir Loin Steak on Thu, 01 Oct 2015 08:29:49 GMT

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I am trying to use the int_tabulated function, but I keep getting the above error. For example:

IDL> x = [0.,1.,2.,3.]
IDL> f = [3.,4.,7.,12.]
IDL> result = int_tabulated(x, f)
% Compiled module: INT_TABULATED.
% Compiled module: UNIQ.
% Compiled module: DEFAULT.
% Attempt to call undefined procedure: 'DEFAULT'
% Execution halted at: $MAIN$

Now I have a file called default.pro in my idl/lib directory, and IDL can seemingly find it:

IDL> .compile default
% Compiled module: DEFAULT.
IDL> print, file_which('default.pro')
% Compiled module: FILE_WHICH.
/home/idl/lib/default.pro

I have also opened idlde, and in preferences->paths I have set <IDL_DEFAULT> as the first location in the list to see if this helped. The problem still occurs though.

Can anyone offer any help as to what is going on?

Many thanks.

Subject: Re: Attempt to call undefined procedure: 'DEFAULT' error
Posted by Michael Galloy on Thu, 01 Oct 2015 17:02:00 GMT

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On 10/1/15 2:29 AM, jf22901 wrote:
> I am trying to use the int_tabulated function, but I keep getting the above error. For example:
>
> IDL> x = [0.,1.,2.,3.]
> IDL> f = [3.,4.,7.,12.]
> IDL> result = int_tabulated(x, f)
> % Compiled module: INT_TABULATED.
> % Compiled module: UNIQ.
> % Compiled module: DEFAULT.
> % Attempt to call undefined procedure: 'DEFAULT'
> % Execution halted at: $MAIN$
>
> Now I have a file called default.pro in my idl/lib directory, and IDL can seemingly find it:

>
> IDL> .compile default
> % Compiled module: DEFAULT.
> IDL> print, file_which('default.pro')
> % Compiled module: FILE_WHICH.
> /home/idl/lib/default.pro
>
> I have also opened idlde, and in preferences->paths I have set
> <IDL_DEFAULT> as the first location in the list to see if this helped.
> The problem still occurs though.
>
> Can anyone offer any help as to what is going on?
>
> Many thanks.
>

Are you sure that <IDL_DEFAULT> is first? Check !path. I think you are
getting a SolarSoft UNIQ instead of the IDL distro UNIQ, which is
causing the need for DEFAULT.

Mike
--
Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)

Subject: Re: Attempt to call undefined procedure: 'DEFAULT' error
Posted by wlandsman on Thu, 01 Oct 2015 17:11:36 GMT
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On Thursday, October 1, 2015 at 4:29:56 AM UTC-4, jf22901 wrote:

> % Compiled module: DEFAULT.
> % Attempt to call undefined procedure: 'DEFAULT'

This is the symptom one gets when a function is being called as a procedure, or a procedure is
being called as a function.   I suspect the default.pro that you have is not the one that
int_tabulated.pro is expecting.

It is a bit of a mystery why a procedure/function named default.pro is being called at all.
Int_tabulated is supplied by Exelis, and it calls a function uniq.pro also supplied by Exelis.
Neither of these call a function named default.pro

But there is a modified version of uniq.pro written by the Solar Library
 https://code.google.com/p/sswgdl/source/browse/trunk/sswgdl/
workarounds/uniq.pro?spec=svn25&r=25

that does call a procedure default.pro.   This was poor programming practice -- if you want to modify an Exelis procedure, it is best to use a different name.

Subject: Re: Attempt to call undefined procedure: 'DEFAULT' error
Posted by Sir Loin Steak on Fri, 02 Oct 2015 08:16:09 GMT
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On Thursday, 1 October 2015 18:11:41 UTC+1, wlandsman wrote:
> On Thursday, October 1, 2015 at 4:29:56 AM UTC-4, jf22901 wrote:
>
>> % Compiled module: DEFAULT.
>> % Attempt to call undefined procedure: 'DEFAULT'
>
> This is the symptom one gets when a function is being called as a procedure, or a procedure is being called as a function.   I suspect the default.pro that you have is not the one that int_tabulated.pro is expecting.
>
> It is a bit of a mystery why a procedure/function named default.pro is being called at all. Int_tabulated is supplied by Exelis, and it calls a function uniq.pro also supplied by Exelis. Neither of these call a function named default.pro
>
> But there is a modified version of uniq.pro written by the Solar Library
> https://code.google.com/p/sswgdl/source/browse/trunk/sswgdl/workarounds/uniq.pro?spec=svn25&r=25
>
> that does call a procedure default.pro.   This was poor programming practice -- if you want to modify an Exelis procedure, it is best to use a different name.

Thanks for all the help everyone. It turns out the problem was indeed that I had these additional copies of uniq.pro and default.pro. I must have needed to use them for something in the past, though I don't know what! Without them everything works a treat! :-)