
Subject: RESOLVE_ALL problem
Posted by [b_gom](#) on Mon, 11 Aug 2008 23:51:31 GMT
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I'm trying to build a .sav file from a project that used to work, but is now giving the following error when I call RESOLVE_ALL or use the 'Build Project' menu option:

```
% Attempt to call undefined procedure/function: 'CALL_FUNCTION'.  
% Error occurred at: RESOLVE_ALL_BODY 290 C:\Program Files\ITT  
\IDL70\lib\resolve_all.pro  
%          RESOLVE_ALL      351 C:\Program Files\ITT  
\IDL70\lib\resolve_all.pro  
%          $MAIN$  
% Execution halted at: $MAIN$
```

Any idea what is causing this? CALL_FUNCTION works properly, so I don't know why RESOLVE_ALL chokes on it.

Thanks

Subject: Re: Resolve_All problem
Posted by [wlandsman](#) on Mon, 17 Dec 2012 14:21:21 GMT
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Do you have any *variables* named LIST? There was a new IDL function named LIST() which was introduced in IDL 8.0. If you have variables named LIST and are still using parentheses rather than square brackets for indexing, then IDL will think you are calling the new function rather than indexing the variable.

--Wayne

On Monday, December 17, 2012 7:07:13 AM UTC-5, Sebastian wrote:

```
> Hi all,  
>  
>  
>  
> Having trouble using Resolve_All. I am using IDL Version 8.0.1 (linux x86 m32). My IDL script  
EXTRACT_ANALYSIS_1 runs perfectly fine in normal IDL mode. But when I try to save the script  
as a .sav file I get the following error.  
>  
>  
>  
> IDL> .compile extract_analysis_1  
>  
> % Compiled module: EXTRACT_ANALYSIS_1.  
>
```

```

> IDL> resolve_all
>
> % Compiled module: RESOLVE_ALL.
>
> % Compiled module: CALDAT.
>
> % Compiled module: JULDAY.
>
> % Compiled module: NCREAD.
>
> % Compiled module: REGRID.
>
> % Compiled module: LIST.
>
> % Attempt to call undefined procedure/function: 'LIST'.
>
> % Error occurred at: RESOLVE_ALL_BODY 289
>
> /usr/local/itt/idl/idl80/lib/resolve_all.pro
>
> %          RESOLVE_ALL    365
>
> /usr/local/itt/idl/idl80/lib/resolve_all.pro
>
> %          $MAIN$
>
> % Execution halted at: $MAIN$
>
> IDL>
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>
> Trying the same on a different server that runs IDL Version 7.1 (linux x86_64 m64) it works fine
despite a procedure or function named LIST not being present.
>
>
>
> I do not call a procedure/function named LIST in my script. And I was not able to work out
where it is actually being called.
>
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>
> Any help is much appreciated.
>
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>
> Many thanks,
>

```

> Sebastian

Subject: Re: Resolve_All problem

Posted by [Seb](#) on Thu, 10 Jan 2013 17:26:31 GMT

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On Monday, 17 December 2012 14:21:21 UTC, wlandsman wrote:

> Do you have any *variables* named LIST? There was a new IDL function named LIST() which was introduced in IDL 8.0. If you have variables named LIST and are still using parentheses rather than square brackets for indexing, then IDL will think you are calling the new function rather than indexing the variable.

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>
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>
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>
>> IDL> resolve_all

```

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>
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>
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>
>> % Compiled module: CALDAT.
>
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>> % Compiled module: JULDAY.
>
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>
>> % Compiled module: NCREAD.
>
>>
>
>> % Compiled module: REGRID.
>
>>
>
>> % Compiled module: LIST.
>
>>
>
>> % Attempt to call undefined procedure/function: 'LIST'.
>
>>
>
>> % Error occurred at: RESOLVE_ALL_BODY 289
>
>>
>
>> /usr/local/itt/idl/idl80/lib/resolve_all.pro
>
>>
>
>> %          RESOLVE_ALL      365
>
>>
>
>> /usr/local/itt/idl/idl80/lib/resolve_all.pro
>
>>
>
>> %          $MAIN$

```

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>> Any help is much appreciated.
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>> Many thanks,
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>> Sebastian
```

Thanks Wayne for pointing out the LIST() function. I am working with IDL8.2 now and the error

persists when trying to resolve_all. I traced it back to the STRSPLIT() function which employs the LIST() function in

```
/usr/local/exelis/idl82/lib/strsplit.pro
```

I looked for the LIST() function from the IDL command line using print,file_which('list.pro') but it returns an empty line indicating that the LIST() function is indeed missing.

BTW, STRSPLIT() runs fine when I execute the program from within IDL. Only when I try to resolve_all the LIST() function error comes up and resolve_all does not complete.

Any idea why the LIST() function is missing or where I could get it from.

Many thanks for your help,
Sebastian

Subject: Re: Resolve_All problem

Posted by [David Fanning](#) on Thu, 10 Jan 2013 17:33:07 GMT

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Sebastian writes:

> Thanks Wayne for pointing out the LIST() function. I am working with IDL8.2 now and the error persists when trying to resolve_all. I traced it back to the STRSPLIT() function which employs the LIST() function in

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> /usr/local/exelis/idl82/lib/strsplit.pro

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> I looked for the LIST() function from the IDL command line using print,file_which('list.pro') but it returns an empty line indicating that the LIST() function is indeed missing.

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> BTW, STRSPLIT() runs fine when I execute the program from within IDL. Only when I try to resolve_all the LIST() function error comes up and resolve_all does not complete.

>

> Any idea why the LIST() function is missing or where I could get it from.

I don't know this for a fact, and I'm guessing because I haven't been following this thread closely, but I would wager some serious money that if you stuck Compile_Opt idl2 in all of your program modules and restarted IDL, that this problem would go away. :-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Resolve_All problem
Posted by [David Fanning](#) on Thu, 10 Jan 2013 17:34:11 GMT
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David Fanning writes:

> I don't know this for a fact, and I'm guessing because I haven't been
> following this thread closely, but I would wager some serious money that
> if you stuck Compile_Opt idl2 in all of your program modules and
> restarted IDL, that this problem would go away. :-)

Well, it would go away, or you would get to the bottom of it. One of the two. :-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Resolve_All problem
Posted by [Lajos Foldy](#) on Thu, 10 Jan 2013 17:50:00 GMT
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On Thursday, January 10, 2013 6:26:31 PM UTC+1, Sebastian wrote:

> I looked for the LIST() function from the IDL command line using print,file_which('list.pro') but it returns an empty line indicating that the LIST() function is indeed missing.

LIST() is in /usr/local/exelis/idl82/lib/datatypes/list.sav:

```
IDL> restore, '/usr/local/exelis/idl82/lib/datatypes/list.sav', /verbose
% RESTORE: Portable (XDR) SAVE/RESTORE file.
% RESTORE: Save file written by buildmaster@WIN32VS10-B08VM, Tue Aug 21 10:36:32 2012.
```

% RESTORE: IDL version 8.2.1 (Win32, x86).
% RESTORE: Restored function: LIST.

regards,
Lajos

Subject: Re: Resolve_All problem
Posted by [wlandsman](#) on Thu, 10 Jan 2013 18:00:20 GMT
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The list() function is stored as a .sav file and not as a .pro file. So you need to check for its existence with

```
IDL> print,file_which('list.sav')  
/software/IDL/idl82/lib/datatypes/list.sav
```

(This is one reason I prefer
<http://idlastro.gsfc.nasa.gov/ftp/pro/misc/findpro.pro>
to file_which().)

On Thursday, January 10, 2013 12:26:31 PM UTC-5, Sebastian wrote:

> I looked for the LIST() function from the IDL command line using print,file_which('list.pro') but it
> returns an empty line indicating that the LIST() function is indeed missing.
>

Subject: Re: Resolve_All problem
Posted by [Seb](#) on Thu, 10 Jan 2013 18:04:58 GMT
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On Thursday, 10 January 2013 17:33:07 UTC, David Fanning wrote:

> Sebastian writes:

>

>

>

>> Thanks Wayne for pointing out the LIST() function. I am working with IDL8.2 now and the error
>> persists when trying to resolve_all. I traced it back to the STRSPLIT() function which employs the
>> LIST() function in

>

>>

>

>> /usr/local/exelis/idl82/lib/strsplit.pro

>

>>

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>> I looked for the LIST() function from the IDL command line using print,file_which('list.pro') but it returns an empty line indicating that the LIST() function is indeed missing.

>

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>> BTW, STRSPLIT() runs fine when I execute the program from within IDL. Only when I try to resolve_all the LIST() function error comes up and resolve_all does not complete.

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> Cheers,

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> David

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> --

>

> David Fanning, Ph.D.

>

> Fanning Software Consulting, Inc.

>

> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

>

> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Hi David,

I am afraid you would have lost your money. I put the Compile_Opt idl2 in my startup a long time ago, actually following the advice from your website ;o).

I think the LIST() function is just not available for some reason. I have to ask our system admin tomorrow how he did the IDL upgrades maybe that will explain the missing function.

Meanwhile I made a local copy of strplit.pro and commented out the three lines that use the list function:

```
;result = LIST()  
;count = LONARR(n)  
;if (ARG_PRESENT(length)) then length = LIST()
```

That solves the resolve_all error message and strplit still works as long as I don't use the length keyword when calling strsplit. It's a bit of a dirty workaround but works for the time being.

Thanks for the help,
Sebastian

Subject: Re: Resolve_All problem
Posted by [Heinz Stege](#) on Thu, 10 Jan 2013 18:56:17 GMT
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On Thu, 10 Jan 2013 09:26:31 -0800 (PST), Sebastian wrote:

> I looked for the LIST() function from the IDL command line using print,file_which('list.pro') but it returns an empty line indicating that the LIST() function is indeed missing.

>

Are you sure, that you don't have a file named 'list.pro' within your current directory?

File_which does not look into the current directory, if there is no keyword /include_current_dir.

Heinz

Subject: Re: Resolve_All problem
Posted by [Seb](#) on Fri, 11 Jan 2013 10:19:18 GMT
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On Thursday, 10 January 2013 18:00:20 UTC, wlandsman wrote:

> The list() function is stored as a .sav file and not as a .pro file. So you need to check for its existence with

>

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> IDL> print,file_which('list.sav')

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> /software/IDL/idl82/lib/datatypes/list.sav
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> (This is one reason I prefer
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>
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>> I looked for the LIST() function from the IDL command line using print,file_which('list.pro') but
it returns an empty line indicating that the LIST() function is indeed missing.
>
>>

Thanks for pointing out the list.sav file. I finally found it under
/usr/local/exelis/idl82/lib/datatypes/list.sav
Problem was that IDL was not looking in this directory. After fixing the paths the error
disappeared. Problem solved.

Many thanks for your help,
Sebastian
