
Subject: Re: Error compiling procedure already compiled
Posted by [psisquared01](#) on Sat, 15 Mar 2003 07:14:27 GMT
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JD Smith <jdsmith@as.arizona.edu> wrote:

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> On Fri, 07 Mar 2003 18:16:54 -0700, Rob wrote:
>
>> JD Smith <jdsmith@as.arizona.edu> wrote:
>>
>>> On Wed, 05 Mar 2003 19:34:01 -0700, Rob wrote:
>>>
>>>> JD Smith <jdsmith@as.arizona.edu> wrote:
>>>>
>>>> > On Tue, 04 Mar 2003 21:14:58 -0700, Rob wrote:
>>>> >
>>>> > > Okay, so I jumped the gun. Apparently whenever the routine info is
>>>> > > updated I can no longer compile without receiving the error. The
>>>> > > line about routine info in my .emacs just caused IDLWAVE to
>>>> > > perform the update more frequently, so that's why I thought it
>>>> > > was fixed...routine info just hadn't been updated yet. Below is
>>>> > > another copy of the error message. As you can see, after routine
>>>> > > info is updated, a temp file is written, and following compiling
>>>> > > and .run'ing I receive the Routine Info warning. Any suggestions
>>>> > > what I can do to fix this?
>>>> > >
>>>> > > Scanning all buffers...
>>>> > > Routine info updated: buffer(3) compiled(0) catalog(591)
>>>> > > system(1324) Querying the shell
>>>> > > Wrote /tmp/idltemp19963iX
>>>> > > Finishing initialization in idle time...done Routine info updated:
>>>> > > buffer(3) compiled(0) catalog(591) system(1324) (No changes need
>>>> > > to be saved)
>>>> > > Routine Info warning: No match for END line in
>>>> > >>>>
>>>> > > RESTORE, '/tmp/idltemp1996CFV' & idlwave_routine_info % RESTORE:
>>>> > > Procedure IDLWAVE_ROUTINE_INFO can't be restored while active. %
>>>> > > RESTORE: Procedure IDLWAVE_PRINT_INFO_ENTRY can't be restored
>>>> > > while active.
>>>> > >>>>BEGIN OF IDLWAVE ROUTINE INFO ("<@>" IS THE SEPARATOR)
>>>> > > % ROUTINE_INFO: String expression required in this context: NAME.
>>>> > > % Execution halted at: IDLWAVE_PRINT_INFO_ENTRY %
>>>> > > IDLWAVE_ROUTINE_INFO %
>>>> > > IDLWAVE_PRINT_INFO_ENTRY %
>>>> > > IDLWAVE_ROUTINE_INFO %
>>>> > > $MAIN$
>>>> > > IDL>
>>>> > > <<<<
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>>>> > >
>>>> > >
>>>> > This is a sign that IDLWAVE is getting out of sync with the IDL
>>>> > process. It's looking for a terminated block of output to parse, in
>>>> > this case to learn about all the routines IDL knows about. I can
>>>> > think of a few possibilities:
>>>> >
>>>> > 1. A read/write lag with comint, the mode which interacts with the
>>>> > IDL
>>>> > shell. Newer versions of IDLWAVE deal with this a bit better.
>>>> >
>>>> > 2. Something specific to your environment in the output of your
>>>> > routine_info is confusing IDLWAVE. Seems unlikely, but possible.
>>>> >
>>>> > 3. You've changed your "IDL> " prompt to something else without
>>>> > telling IDLWAVE about it (e.g. if you're using ENVI).
>>>> >
>>>> > Can you tell me what version of Emacs, IDL, and IDLWAVE (see
>>>> > *Messages*) you are using? And, if you can get it to repeat and
>>>> > have a recent IDLWAVE, check the menu box Debug->Show
>>>> > Commands->Everything, generate the error, and mail me the dump of
>>>> > info you find in the shell buffer.
>>>> >
>>>> > JD
>>>>
>>>> Thanks for the tips, JD. Before I started I installed IDLWAVE 4.1.6
>>>> from www.idlwave.org.
>>>>
>>>> In response to 1. above, is 4.1.6 the the latest version? I've seen
>>>> reference to a version 4.6, but I didn't see anything later than
>>>> 4.1.6 on the website. Also, strangely, I don't see a Debug->Show
>>>> Commands->Everything option in my Debug menu???
>>>>
>>>>
>>> It's actually 4.16 (>4.6). I only use a single decimal. Make sure
>>> that's what's actually running by checking the *Messages* log. If you
>>> didn't do the install correctly, it may be defaulting to the bundled
>>> version. You need to have the shell running for Everything to show,
>>> otherwise, you'll just see "Start Shell" or some such. Start it and
>>> see. If not, you're probably defaulting to the old version (4.7?).
>>>
>>>> In response to 3, I haven't changed my IDL prompt, don't even know
>>>> how yet...and I'm not using ENVI.
>>>>
>>>> I'm using IDL 5.6 on OS X with the Aqua version of Emacs 21.3.50.6
>>>> and am using Apples latest beta X11 version 0.2.1(Xfree86 4.2.1).
>>>> Below is my .emacs and .tcshrc. If you can think of anything to try
>>>> I'd really appreciate it!

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>>>
>>> The next release of IDLWAVE will be fully qualified for OSX. Many have
>>> gotten it working in the meantime, and I've never heard of an error
>>> like this, but I've yet to test it myself. The error output showing
>>> "Everything" will be definitive.
>>>
>>>> .Emacs file:
>>>
>>> No setting here should cause these problems.
>>>
>>
>> The messages log confirms I'm running 4.16. But still, under my Debug
>> menu I have, in order, Compile and Run, Breakpoints, Continue/Step,
>> Examine Expressions, Call Stack, Update Working Directory, Reset IDL
>> toggle Toolbar, and Exit IDL. That's it. The IDL shell is running. I
>> don't have a Show Commands in my Debug menu. Am I looking in the wrong
>> place?
>
> Sorry about that Rob... it's been long enough since the last release
> that I'm beginning to forget things I put in afterwards, and this menu
> was one of them. The functionality is there, just not in a menu. You
> can set it via customize: IDLWAVE -> Customize -> Browse IDLWAVE
> Group; Idlwave Shell Command Setup -> Idlwave Shell Show Commands.
> Set that to "everything", save for current session, and give another
> try.
>
> JD

```

Okay, sorry for the delay. Here's what I get with Everything set after starting the IDL shell. Any tips appreciated. Thanks!

```

IDL> !more=0
IDL> defsysv,'idlwave_version',' 4.16',1
IDL> __pa=expand_path(!path,/array)&for i=0,n_elements(__pa)-1 do
print,'PATH:<'+'__pa[i]+'>'&print,'SYSDIR:<'+'!dir+'>'
PATH:</usr/local/rsi/idl_5.6/lib/hook>
PATH:</usr/local/rsi/idl_5.6/lib/macros>
PATH:</usr/local/rsi/idl_5.6/lib/obsolete>
PATH:</usr/local/rsi/idl_5.6/lib/utilities>
PATH:</usr/local/rsi/idl_5.6/lib>
PATH:</usr/local/rsi/idl_5.6/examples/analysis>
PATH:</usr/local/rsi/idl_5.6/examples/data>
PATH:</usr/local/rsi/idl_5.6/examples/data_access/sdf>
PATH:</usr/local/rsi/idl_5.6/examples/data_access>
PATH:</usr/local/rsi/idl_5.6/examples/demo/demodata>
PATH:</usr/local/rsi/idl_5.6/examples/demo/demosrc>
PATH:</usr/local/rsi/idl_5.6/examples/demo>
PATH:</usr/local/rsi/idl_5.6/examples/doc>

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PATH:</usr/local/rsi/idl_5.6/examples/external>
PATH:</usr/local/rsi/idl_5.6/examples/HP_TIFF>
PATH:</usr/local/rsi/idl_5.6/examples/imsi>
PATH:</usr/local/rsi/idl_5.6/examples/misc>
PATH:</usr/local/rsi/idl_5.6/examples/project>
PATH:</usr/local/rsi/idl_5.6/examples/visual/utility>
PATH:</usr/local/rsi/idl_5.6/examples/visual>
PATH:</usr/local/rsi/idl_5.6/examples/widgets/wexmast>
PATH:</usr/local/rsi/idl_5.6/examples/widgets>
PATH:</usr/local/rsi/idl_5.6/examples>
PATH:</Users/rcohen/Work/EKV_STUFF/idl_lib51>
PATH:</Users/rcohen/Work/EKV_STUFF/X3HDL5/Production51>
SYSDIR:</usr/local/rsi/idl_5.6>
IDL> idlwave_get_sysvars
% Attempt to call undefined procedure/function: 'IDLWAVE_GET_SYSVARS'.
% Execution halted at: $MAIN$
IDL> .run /tmp/idltemp2630kmp
% Compiled module: IDLWAVE_PRINT_INFO_ENTRY.
% Compiled module: IDLWAVE_ROUTINE_INFO.
% Compiled module: IDLWAVE_GET_SYSVARS.
% Compiled module: IDLWAVE_GET_CLASS_TAGS.
IDL>
  save,'idlwave_routine_info','idlwave_print_info_entry',FILE= '/tmp/idltemp2630DHL',/ROUTINES
IDL> RESTORE, '/tmp/idltemp2630DHL' & idlwave_routine_info
>>> BEGIN OF IDLWAVE ROUTINE INFO ("<@>" IS THE SEPARATOR)
% ROUTINE_INFO: String expression required in this context: NAME.
% Execution halted at: IDLWAVE_PRINT_INFO_ENTRY
%
%          IDLWAVE_ROUTINE_INFO
%
%          $MAIN$
IDL> idlwave_get_sysvars
IDLWAVE-SYSVAR: !C
IDLWAVE-SYSVAR: !CPU HW_VECTOR VECTOR_ENABLE HW_NCPU TPOOL_NTHREADS
TPOOL_MINELTS TPOOL_MAXELTS
IDLWAVE-SYSVAR: !D NAME X_SIZE Y_SIZE X_VSIZE Y_VSIZE X_CH_SIZE
Y_CH_SIZE X_PX_CM Y_PX_CM N_COLORS TABLE_SIZE FILL_DIST WINDOW UNIT
FLAGS ORIGIN ZOOM
IDLWAVE-SYSVAR: !DIR
IDLWAVE-SYSVAR: !DLM_PATH
IDLWAVE-SYSVAR: !DPI
IDLWAVE-SYSVAR: !DTOR
IDLWAVE-SYSVAR: !EDIT_INPUT
IDLWAVE-SYSVAR: !ERROR_STATE NAME BLOCK CODE SYS_CODE SYS_CODE_TYPE
MSG
SYS_MSG MSG_PREFIX
IDLWAVE-SYSVAR: !EXCEPT
IDLWAVE-SYSVAR: !HELP_PATH
IDLWAVE-SYSVAR: !IDLWAVE_VERSION

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IDLWAVE-SYSVAR: !JOURNAL
IDLWAVE-SYSVAR: !MAKE_DLL COMPILE_DIRECTORY COMPILER_NAME CC LD
IDLWAVE-SYSVAR: !MAP PROJECTION SIMPLE FILL_METHOD UP_FLAGS UP_NAME
P0LON P0LAT U0 V0 SINO COSO ROTATION SINR COSR A E2 UV POLE UV_BOX
LL_BOX SEGMENT_LENGTH P PIPELINE
IDLWAVE-SYSVAR: !MORE
IDLWAVE-SYSVAR: !MOUSE X Y BUTTON TIME
IDLWAVE-SYSVAR: !ORDER
IDLWAVE-SYSVAR: !P BACKGROUND CHARSIZE CHARTHICK CLIP COLOR FONT
LINESTYLE MULTI NOCLIP NOERASE NSUM POSITION PSYM REGION SUBTITLE
SYMSIZE T T3D THICK TITLE TICKLEN CHANNEL
IDLWAVE-SYSVAR: !PATH
IDLWAVE-SYSVAR: !PI
IDLWAVE-SYSVAR: !PROMPT
IDLWAVE-SYSVAR: !QUIET
IDLWAVE-SYSVAR: !RADEG
IDLWAVE-SYSVAR: !VALUES F_INFINITY F_NAN D_INFINITY D_NAN
IDLWAVE-SYSVAR: !VERSION ARCH OS OS_FAMILY OS_NAME RELEASE BUILD_DATE
MEMORY_BITS FILE_OFFSET_BITS
IDLWAVE-SYSVAR: !WARN OBS_ROUTINES OBS_SYSVARS PARENS
IDLWAVE-SYSVAR: !X TITLE TYPE STYLE TICKS TICKLEN THICK RANGE CRANGE S
MARGIN OMARGIN WINDOW REGION CHARSIZE MINOR TICKV TICKNAME GRIDSTYLE
TICKFORMAT TICKINTERVAL TICKLAYOUT TICKUNITS
IDLWAVE-SYSVAR: !Y TITLE TYPE STYLE TICKS TICKLEN THICK RANGE CRANGE S
MARGIN OMARGIN WINDOW REGION CHARSIZE MINOR TICKV TICKNAME GRIDSTYLE
TICKFORMAT TICKINTERVAL TICKLAYOUT TICKUNITS
IDLWAVE-SYSVAR: !Z TITLE TYPE STYLE TICKS TICKLEN THICK RANGE CRANGE S
MARGIN OMARGIN WINDOW REGION CHARSIZE MINOR TICKV TICKNAME GRIDSTYLE
TICKFORMAT TICKINTERVAL TICKLAYOUT TICKUNITS
IDL>
