
Subject: Re: Resolve iTools for Virtual Machine

Posted by [David Fanning](#) on Mon, 03 Nov 2003 20:30:04 GMT

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opa_rumple writes:

> I have written a postprocessor for my code, which is handling the
> browsing through the data set and display them.
> Before I had two inconveniences:
> 1) I had to write a lot to make the postprocessor user friendly
> (changing color, labels etc.)
> 2) Users of my code had to pay for IDL although they are just using my
> postprocessor.
>
> With the arrival of IDL 6 and the features of iTool and Virtual
> Machine I thought my problems are solved, but so far I couldn't create
> a working ".sav" file. The problem is that itools use some runtime
> dependencies, which cannot be resolved with the resolve_all command.

Oh, oh. Whoops!

I wrote a little file (see below) to compile all the object programs
in the iTools directory, but I still couldn't get my little example
program to run as a run-time or Virtual Machine program.

I finally got it to work (I think, I haven't tested this much)
by running my ITOOLS_SETUP program, compiling my TEST_ITOOLS
program, actually *running* my TEST_ITOOLS program, then
typing RESOLVE_ALL and saving the routines in a save file.

```
IDL> itools_setup
IDL> .compile test_itools
IDL> test_itools
IDL> Resolve_All
IDL> Save, File='test_itools.sav', /Routines
```

Maybe the good folks at RSI will let us know what we are
missing here. :-)

Cheers,

David

```
.*****
,
PRO Test_ITools
image = Loaddata(7)
iimage, image
END
```

```

.*****
;

.*****
;
PRO iTools_Setup

componentDir = !Dir + Path_Sep() + 'lib' $
  + Path_Sep() + 'itools' + Path_Sep() + 'components'
frameworkDir = !Dir + Path_Sep() + 'lib' + Path_Sep() $
  + 'itools' + Path_Sep() + 'framework'
widgetsDir = !Dir + Path_Sep() + 'lib' + Path_Sep() $
  + 'itools' + Path_Sep() + 'ui_widgets'

CD, componentDir, Current=thisDir
files = File_Search('*__define.pro', count=count)
IF count GT 0 THEN BEGIN
  FOR j=0,count-1 DO BEGIN
    file = files[j]
    len = StrLen(file)
    file = StrMid(file, 0, len-4)
    Resolve_Routine, file, /Either, /Compile_Full_File
  ENDFOR
ENDIF

CD, frameworkDir
files = File_Search('*__define.pro', count=count)
IF count GT 0 THEN BEGIN
  FOR j=0,count-1 DO BEGIN
    file = files[j]
    len = StrLen(file)
    file = StrMid(file, 0, len-4)
    Resolve_Routine, file, /Either, /Compile_Full_File
  ENDFOR
ENDIF

CD, widgetsDir
files = File_Search('*__define.pro', count=count)
IF count GT 0 THEN BEGIN
  FOR j=0,count-1 DO BEGIN
    file = files[j]
    len = StrLen(file)
    file = StrMid(file, 0, len-4)
    Resolve_Routine, file, /Either, /Compile_Full_File
  ENDFOR
ENDIF
CD, thisDir

END

```

.*****
;

--

David W. Fanning, Ph.D.
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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Resolve iTools for Virtual Machine
Posted by [David Fanning](#) on Mon, 03 Nov 2003 23:53:59 GMT
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David Fanning writes:

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>> Machine I though my problems are solved, but so far I couldn't create
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>
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> missing here. :-)
```

I guess the good folks at RSI have already thought of this!

I found this Tech Tip on their web page this afternoon:

<http://www.rsinc.com/services/techtip.asp?ttid=3577>

To create a SAVE file you need to call an undocumented routine

named IDLITRESOLVEITools. Basically, this routine does what I was trying to do, although it finds all the right files. :-)

The code sequence that worked for me was this:

```
IDL> .compile test_itools
IDL> IDLITRESOLVEITools
IDL> Resolve_All
IDL> Save, File='test_itools.sav', /Routines
```

Works great as a run-time and in the Virtual Machine.

Cheers,

David

--

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Subject: Re: Resolve iTools for Virtual Machine
Posted by [reiche](#) on Thu, 06 Nov 2003 03:35:29 GMT
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David Fanning <david@dfanning.com> wrote in message news:> The code sequence that worked for me was this:

```
>
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> IDL> IDLITRESOLVEITools
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> IDL> Save, File='test_itools.sav', /Routines
>
> Works great as a run-time and in the Virtual Machine.
>
> Cheers,
>
> David
```

Thanks

Sven Reiche

Subject: Re: Resolve iTools for Virtual Machine
Posted by [Thomas Brueckner](#) on Fri, 12 Dec 2003 20:40:48 GMT
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I wonder, David, if there is another undocumented tool like this for resolving graphics objects? I am having a hard time getting a nice simple object graphics program to run on the virtual machine, and I wonder if some of it is the resolve_all procedure not catching the object classes.

For instance, if I do

```
IDL> RESOLVE_ALL,CLASS='IDLgrView'
```

it seems not to compile any more items than a straight RESOLVE_ALL would do if the class keyword is not set.

-Thomas

David Fanning wrote:

```
>  
>  
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