
Subject: Re: binary sub?

Posted by [R.Bauer](#) on Mon, 02 Jun 2003 22:07:16 GMT

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Tomson wrote:

- > Hi,
- > Some of IDL programs are in binary form. Can I compile my subroutine to
- > binary file which can be called from other program? How to do that? I
- > think they must run fast. TOM

If you speak from idl sav files then you can use our compile routine.

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/dbase/download/compile.tar.gz
or as idl 5.x binary

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/dbase/download/compile.sav

If you have a sav file in your search path then this would be same used as
if you have it's sources and call the procedures or function name.

For further routines, binaries and licensing please have a look at

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

But if you don't speak from idl sav files then you are speaking from dlm's.

Then I would suggest you buy first the book of Ronn Kling,

<http://www.kilvarock.com/books/callingCfromIDL.htm>

This is an excellent book which shows the most important rules to write your
own dlm's in C.

regards

Reimar

--

Forschungszentrum Juelich

email: R.Bauer@fz-juelich.de

<http://www.fz-juelich.de/icg/icg-i/>

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a IDL library at Forschungszentrum Juelich

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

Subject: Re: binary sub?

Posted by [Rick Towler](#) on Mon, 02 Jun 2003 23:28:53 GMT

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"Tomson" wrote in message...

- > Some of IDL programs are in binary form. Can I compile my subroutine to
- > binary file which can be called from other program? How to do that?

As usual, David Fanning has a nice tip on this. Hummmm, wait a minute. Maybe not. He does have this morsel:

http://www.dfanning.com/ographics_tips/rt_objects.html

But I thought there was a more thorough explanation. I suggest searching the archives via google groups for something like "compiling run time .sav"

- > I think they must run fast.

I wish they did, but they don't.

-Rick

Subject: Re: binary sub?

Posted by [tomson](#) on Tue, 03 Jun 2003 07:13:30 GMT

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Thank you all. For example,

I use .compile

.resolve_all

.save,/all,file='c:\rsi\idl54\lib\sub.sav'

to creat sav file name sub.sav in the IDL default path.

pro testsav

sub,a,b

print,a+b

end

But when I run testsave, there is a message 'attempt to call undifined proceedure/function SUB'. What's wrong?

Subject: Re: binary sub?

Posted by [tomson](#) on Tue, 03 Jun 2003 07:15:29 GMT

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Thank you all. For example,

I use .compile

```
.resolve_all
```

```
.save,/all,file='c:\rsi\idl54\lib\sub.sav'
```

to creat sav file name sub.sav in the IDL default path.

```
pro testsav
```

```
sub,a,b
```

```
print,a+b
```

```
end
```

But when I run testsave, there is a message 'attempt to call undefined
proceedure/function SUB'. What's wrong?

Subject: Re: binary sub?

Posted by [tomson](#) on Tue, 03 Jun 2003 07:17:46 GMT

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Thank you all. For example,

I use .compile

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.resolve_all
```

```
.save,/all,file='c:\rsi\idl54\lib\sub.sav'
```

to creat sav file name sub.sav in the IDL default path.

```
pro testsav
```

```
sub,a,b
```

```
print,a+b
```

```
end
```

But when I run testsave, there is a message 'attempt to call undefined
proceedure/function SUB'. What's wrong?

Subject: Re: binary sub?

Posted by [tomson](#) on Tue, 03 Jun 2003 07:18:02 GMT

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Thank you all. For example,

I use .compile SUB

```
.resolve_all
```

```
.save,/all,file='c:\rsi\idl54\lib\sub.sav'
```

to creat sav file name sub.sav in the IDL default path.

```
pro testsav
```

```
sub,a,b
```

```
print,a+b
```

```
end
```

But when I run testsave, there is a message 'attempt to call undefined procedure/function SUB'. What's wrong?

Subject: Re: binary sub?

Posted by [tomson](#) on Tue, 03 Jun 2003 07:23:32 GMT

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Thank you all. For example,
I use .compile SUB
 .resolve_all
 .save,/all,file='c:\rsi\idl54\lib\sub.sav'
to creat sav file name sub.sav in the IDL default path.

```
pro testsav
  sub,a,b
  print,a+b
end
```

But when I run testsave, there is a message 'attempt to call undefined procedure/function SUB'. What's wrong?

Subject: Re: binary sub?

Posted by [tomson](#) on Tue, 03 Jun 2003 07:23:49 GMT

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Thank you all. For example,
I use .compile SUB
 .resolve_all
 .save,/all,file='c:\rsi\idl54\lib\sub.sav'
to creat sav file name sub.sav in the IDL default path.

```
pro testsav
  sub,a,b
  print,a+b
end
```

But when I run testsave, there is a message 'attempt to call undefined procedure/function SUB'. What's wrong?

Subject: Re: binary sub?

Posted by [David Fanning](#) on Tue, 03 Jun 2003 13:06:48 GMT

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Tomson (tom2959@21cn.com) writes:

> But when I run testsave, there is a message 'attempt to call undefined
> procedure/function SUB'. What's wrong?

You forgot to set the ROUTINES keyword on the SAVE command.
You are saving variables, rather than compiled routines.

Here is an article on how to create stand-alone (well,
as stand-alone as IDL will allow) IDL applications.

http://www.dfanning.com/tips/idl_icon.html

Cheers,

David

--

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Phone: 970-221-0438, E-mail: david@dfanning.com

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

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: binary sub?

Posted by [R.Bauer](#) on Tue, 03 Jun 2003 15:25:16 GMT

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Tomson wrote:

> Thank you all. For example,
> I use .compile
> .resolve_all
> .save,/all,file='c:\rsi\idl54\lib\sub.sav'
> to creat sav file name sub.sav in the IDL default path.

save,/routines !!!

Reimar

>
> pro testsav
> sub,a,b
> print,a+b
> end
>
> But when I run testsave, there is a message 'attempt to call undefined
> procedure/function SUB'. What's wrong?
>
>

>
>
>

--

Reimar Bauer

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email: R.Bauer@fz-juelich.de

a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

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